

Final Program

Increasing Diversity to Improve Global Scientific Competitiveness

St. Louis **ABRCMS**

2011

ANNUAL BIOMEDICAL RESEARCH
CONFERENCE FOR MINORITY STUDENTS

November 9-12, 2011 • St. Louis, Missouri



What's New in 2011

Campus Tour of Washington University in St. Louis

Washington University in St. Louis invites ABRCMS attendees for a campus tour to learn more about its opportunities and programs. ABRCMS attendees who signed up (registration closed in mid-October) for the tour will meet in the America's Center Plaza Lobby. See page 18 for details.

Lead Retrieval

ABRCMS now offers the lead retrieval system (LRS) to exhibitors. By allowing scanning name badge barcodes, LRS helps exhibitors manage attendee information in a quick, digital way.

Keystone Travel Award for Graduate Students & Postdocs

Keystone Symposia will grant two travel awards to eligible graduate students and postdocs attending the 2011 ABRCMS. See page 14 for details.

■ **Two new scientific areas - cancer biology and immunology** have been added.

■ **One exhibit hall for all presentations**, including graduate students presentations.

■ **Judging of postbaccalaureate poster presentations.**

■ **Abstract CDs** replace abstract books.

Important Reminders

Preconference Workshops

Several workshops will be held on **Wednesday, November 9, from 2:00 to 5:30 p.m.**, to offer participants the opportunity to enhance their knowledge or gather information about a specific topic.

Conference Orientation

Your ABRCMS orientation will help you maximize your learning and networking opportunities over the next several days. All orientation sessions will be held on **Thursday, November 10, from 8:30 to 9:30 a.m.** See page 12 for more information.

Exhibit Program Recruitment Teams

One ABRCMS goal is to address the needs of the diverse student population that attends the conference. To this end, ABRCMS strives to continually enhance the exhibits program and recommends a team approach for exhibitors. An ABRCMS recruitment team ideally includes at least four individuals, with each assuming a unique role and responsibility:

- (i) **Research faculty** members share information about science courses and programs, research opportunities and mentors, career planning, and information pertinent to the research community.
- (ii) **Postdoctoral fellows** share information about research projects, career pathways, professional development opportunities, and general discipline information.
- (iii) **Graduates students** share candid information about personal experiences, particularly courses, advisers, mentor selection, campus environment, social life, and networking opportunities.
- (iv) **Graduates dean/admissions directors** provide general information about the institution, deadlines and requirements for summer programs, and the graduate school application process.

Networking in Your Discipline

Networking sessions with disciplinary societies will be held on **Wednesday, November 9, from 8:15 to 9:15 p.m.** These informal sessions led by professional society members provide a forum for small group discussions focusing on the student activities and career pathways offered by societies. All ABRCMS exhibitor and faculty attendees who are professional society members are strongly encouraged to attend.

Online Abstract Database For Exhibitors

Exhibitors, did you know you can access student abstracts before the conference? The online abstract database offers you information about each student's scientific discipline, helping you tailor your recruitment efforts accordingly. Visit www.abrcms.org for up-to-date information.

Onsite Registration and Check in

SCAN & GO self-registration will be offered at the 2011 ABRCMS. Bring a copy of your registration confirmation letter with you to expedite the registration process.

Early Admittance into Exhibit Hall for Exhibitors

Exhibitors may use their exhibitor badges to access their booths 30 minutes prior to the opening of the exhibit hall.

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“ I really enjoyed my first time at a major conference that focuses on the advancement of minorities in sciences. I had the opportunity to present, network, see professionals present and speak, etc. It was an amazing experience! ”

UNDERGRADUATE STUDENT



“ What a GREAT opportunity for undergrads. I have been so impressed with the quality of the program and the EXCELLENT planning, organization and running of the conference by the staff— AMAZING! ”

2009 FACULTY PARTICIPANT

“ This was my first time at ABRCMS. I have attended many conferences and this has been the best by far! ”

2010 EXHIBITOR



Neil deGrasse Tyson, director of the Hayden Planetarium, presents at the 2010 ABRCMS

Program at a Glance

Wednesday, November 9, 2011

- 8:30 a.m. – 4:30 p.m. **RISE and MARC Technical Assistance Workshop**
Location: Renaissance Grand Hotel (Majestic Ballroom C)
- 10:00 a.m. – 4:00 p.m. **Explore St. Louis!**
- 12:00 p.m. – 8:00 p.m. **Registration Open**
Location: Plaza Lobby
- 2:00 p.m. – 8:00 p.m. **Exhibit Set-up**
Location: Hall 4
- 2:00 p.m. – 5:15 p.m. **PRECONFERENCE PROFESSIONAL DEVELOPMENT SESSION**
Teaching and Learning 101: A Brief Introduction to Effective Teaching in Science, Engineering and Mathematics
Location: Room 123
- 4:00 p.m. – 5:00 p.m. **PRECONFERENCE PROFESSIONAL DEVELOPMENT SESSION**
Immunocytochemistry 101: How Best to Do It and Show Your Results
Location: Room 120
- 5:15 p.m. – 6:00 p.m. **PRECONFERENCE PROFESSIONAL DEVELOPMENT SESSION**
Presentation Techniques: How to Make Effective Poster and Oral Presentations
Location: Room 127
- 6:30 p.m. – 7:15 p.m. **Dinner**
Location: Hall 3
- 7:15 p.m. – 8:15 p.m. **Conference Overview / Keynote Address**
Location: Hall 3
- 8:15 p.m. – 9:15 p.m. **Networking in Your Discipline**
Location: See page 19
- 8:30 p.m. – 10:00 p.m. **PREP Program Director Meeting**
Location: Room 106
- 9:30 p.m. – 10:00 p.m. **ABRCMS Student Travel Awardee Orientation**
Location: Room 123
- 9:30 p.m. – 10:30 p.m. **GRADUATE STUDENT AND POSTDOCTORAL SCIENTIST MIXER**
Location: Renaissance Grand Hotel (Washington Room)

Back by Popular Demand!

Thursday, November 10, 2011

- 7:30 a.m. – 5:00 p.m. **Registration Open**
Location: Plaza Lobby
- 7:30 a.m. – 8:15 a.m. **Networking Breakfast**
Location: Hall 3
- 8:00 a.m. – 12:00 p.m. **Exhibit Set-up**
Location: Hall 4
- 8:30 a.m. – 9:30 a.m. **CONFERENCE ORIENTATION**
Orientation for Undergraduates and Postbaccalaureates
Location: Rooms 220-229
Orientation for Graduate Students and Postdoctoral Scientists
Location: Room 132
Orientation for Exhibitors
Location: Room 131
Orientation for Judges (All 12 Disciplines)
Location: See page 20
- 9:45 a.m. – 10:45 a.m. **CONCURRENT SCIENTIFIC SESSIONS**
See pages 21-22
- 11:00 a.m. – 12:15 p.m. **CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS**
See pages 23-24
- 12:30 p.m. – 1:15 p.m. **Networking Lunch**
Location: Hall 3
- 1:15 p.m. – 2:15 p.m. **PLENARY SCIENTIFIC SESSION**
Dying Young as Late in Life as Possible: Stem Cells, Tissue Renewal, and Regeneration
Speaker
Alejandro Sanchez Alvarado, Ph.D.
Howard Hughes Medical Institute and the Stowers Institute for Medical Research
Location: Hall 3
- 2:15 p.m. – 6:30 p.m. **Exhibits Open**
Location: Hall 4
- 2:30 p.m. – 3:45 p.m. **POSTER SESSION 1 (A)**
Location: Hall 4
- 3:15 p.m. – 4:15 p.m. **Career Coaching Corner / Meet and Greet Speakers**
Location: Plaza Lobby
- 4:00 p.m. – 5:15 p.m. **POSTER SESSION 2 (B)**
Location: Plaza Lobby
- 5:30 p.m. – 6:30 p.m. **ORAL PRESENTATION SESSIONS 1-12 (All Disciplines)**
See page 25-27
- 6:45 p.m. – 7:30 p.m. **DINNER**
Location: Hall 3
- 7:45 p.m. – 9:30 p.m. **Plenary Professional Development Sessions for Faculty, Students, and Postdoctoral Scientists**
Location: See page 28
- 9:30 p.m. – 10:00 p.m. **Dessert and Networking**
Location: Ballroom Lobby

Friday, November 11, 2011

- 7:30 a.m. – 5:00 p.m. **Registration Open**
Location: Plaza Lobby
-
- 7:30 a.m. – 8:15 a.m. **Networking Breakfast**
Location: Hall 3
-
- 8:30 a.m. – 9:30 a.m. **Professional Development Sessions**
(four session options)
See pages 30
-
- 9:45 a.m. – 10:45 a.m. **PLENARY SCIENTIFIC SESSION**
Is Our Reality in ‘The Matrix’?
Speaker
Sylvester James Gates, Jr., Ph.D.
University of Maryland, College Park, MD
Location: Rooms 220-229
-
- 10:45 a.m. – 12:15 p.m. **Exhibits Open**
Location: Hall 4
-
- 11:00 a.m. – 12:15 p.m. **POSTER SESSION 3 (C)**
Location: Hall 4
-
- 12:30 p.m. – 1:15 p.m. **Networking Lunch**
Location: Hall 3
-
- 1:15 p.m. – 2:15 p.m. **PLENARY SCIENTIFIC SESSION**
Using Simple Cells to Model Complex Diseases
Speaker
Susan Linquist, Ph.D.
Whitehead Institute for Biomedical Research, Howard Hughes Medical Institute, and Massachusetts Institute of Technology, Cambridge, MA
Location: Hall 3
-
- 2:30 p.m. – 3:30 p.m. **PROFESSIONAL DEVELOPMENT SESSIONS**
See pages XX
-
- 3:30 p.m. – 6:30 p.m. **Exhibits Open**
Location: Hall 4
-
- 3:45 p.m. – 5:00 p.m. **POSTER SESSION 4 (D)**
Location: Hall 4
-
- 4:30 p.m. – 5:30 p.m. **Career Coaching Corner Open / Meet and Greet Speakers**
Location: Plaza Lobby
-
- 5:15 p.m. – 6:30 p.m. **POSTER SESSION 5 (E)**
Location: Hall 4
-
- 6:45 p.m. – 7:45 p.m. **Small Group Discussion Sessions**
(four session options)
See pages 31
-
- 6:45 p.m. – 8:30 p.m. **RECEPTION FOR SPONSORS, EXHIBITORS, SPEAKERS, PROGRAM DIRECTORS, AND JUDGES**
(This event is NOT open to undergraduates, postbaccalaureates, graduate students, or postdoctoral scientists)
Location: Renaissance Grand Hotel (Crystal Ballroom)
-
- 8:45 p.m. – 10:00 p.m. **MARC/MBRS/RISE/SCORE Program Director Meeting**
Location: Renaissance Grand Hotel (Landmark 1 & 2)
-
- 9:15 p.m. – 10:00 p.m. **BRIDGES Program Director Meeting**
Location: Renaissance Grand Hotel (Landmark 3)

Saturday, November 12, 2011

- 7:30 a.m. – 12:00 p.m. **Registration Open**
Location: Plaza Lobby
-
- 7:30 a.m. – 8:15 a.m. **Networking Breakfast / Open Forum for Feedback**
Location: Hall 3
-
- 8:30 a.m. – 9:15 a.m. **Exhibitor Feedback Session**
Location: Room 123
-
- 8:30 a.m. – 9:30 a.m. **ORAL PRESENTATION SESSIONS 13-24**
(All Disciplines)
See pages 32-35
-
- 9:30 a.m. – 12:30 p.m. **Exhibits Open**
Location: Hall 4
-
- 9:45 a.m. – 11:00 a.m. **POSTER SESSION 6 (F)**
Location: Hall 4
-
- 11:15 a.m. – 12:30 p.m. **POSTER SESSION 7 (G)**
Location: Hall 4
-
- 12:30 p.m. – 1:30 p.m. **Networking Lunch**
Location: Hall 3
-
- 1:30 p.m. – 2:30 p.m. **Closing Keynote Address**
Skin in the Game: Biomedical Research, Health Disparities, and the Role of Researchers of Color
Speaker
Julianne Malveaux, Ph.D.
Bennet College, Greensboro, NC
Location: Hall 3
-
- 2:45 p.m. – 3:45 p.m. **CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS**
See pages 35-36
-
- 4:00 p.m. – 5:00 p.m. **CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS**
See page 36-37
-
- 5:15 p.m. – 6:15 p.m. **PROFESSIONAL DEVELOPMENT SESSIONS**
See page 37
-
- 6:15 p.m. – 7:30 p.m. **FREE TIME!**
-
- 7:30 p.m. – 9:30 p.m. **BANQUET, CONFERENCE WRAP-UP, AND AWARDS CEREMONY**
Location: Hall 3
-
- 9:30 p.m. – 10:00 p.m. **Photo Session for ABRCMS Presentation Award Winners**
Location: Rooms 104 & 105
-
- 10:00 p.m. – 1:00 a.m. **Dance and Social (All Are Invited)**
Location: Renaissance Grand Hotel (Landmark Ballroom)

Conference Welcome



Welcome to St. Louis, Missouri, and the 2011 Annual Biomedical Research Conference for Minority Students (ABRCMS). Whether you are an ABRCMS newbie or alumnus, you will see firsthand the power and breadth of the ABRCMS community. You'll have the opportunity to meet renowned speakers, industry experts, faculty, and administrators; network with peers; learn about recent advances in the biomedical and behavioral sciences; and participate in discussions about some of the most important issues facing minority students today.

This year's conference theme is "Increasing Diversity to Improve Global Scientific Competitiveness," reflecting the full spectrum of ABRCMS participants from a diversity of locations, institutions, and backgrounds. We will have numerous professional development workshops, student oral and poster presentations, opportunities to network and receive mentoring, occasions to explore graduate school and summer research options, and scientific sessions filled with cutting-edge research.

ABRCMS could not happen without the help of many dedicated people and generous sponsors. I thank the ABRCMS Steering Committee members, ASM staff, program directors, exhibitors, and volunteer judges for all of their hard work in preparation for and during the conference. I also thank all of our sponsors, especially the Minority Opportunities in Research Division of the National Institute of General Medical Sciences at the National Institutes of Health, whose contributions have made the conference possible.

It's your conference. I am confident that you will find this year's event a rewarding experience, and I thank you for being part of the ABRCMS community and for helping to make the conference what it is today.

Enjoy your time at ABRCMS!

A handwritten signature in black ink that reads "Clifford W. Houston". The signature is written in a cursive, flowing style.

Clifford W. Houston, Ph.D.

Associate Vice President for Educational Outreach

The Herman Barnett Distinguished Professorship in Microbiology and Immunology

The University of Texas Medical Branch at Galveston

Chairperson, ABRCMS Steering Committee

Past President, ASM



Dear Students, Colleagues and Friends,

On behalf of the National Institute of General Medical Sciences (NIGMS), I would like to welcome you to the 2011 Annual Biomedical Research Conference for Minority Students.

The program for this year's meeting is outstanding and features talks by dynamic speakers. We encourage you to take advantage of the many scientific presentations, professional development workshops and networking sessions.

For our students, it is our hope that ABRCMS helps to prepare you for the next stages of your research careers. We look to you, the future of science, to help advance the biomedical research enterprise.

We're delighted that you could join us and look forward to an exciting, inspirational and productive meeting in St. Louis.

Sincerely,

A handwritten signature in black ink, appearing to read "Clifton A. Poodry". The signature is fluid and cursive.

Clifton A. Poodry, Ph.D.

Director, Division of Minority Opportunities in Research

National Institute of General Medical Sciences, National Institutes of Health

Steering Committee Members, Advisors, and Staff

Steering Committee Members

- **Clifford W. Houston, Ph.D. (Chairperson)**
University of Texas Medical Branch, Galveston, TX
- **Alejandro Sanchez Alvarado, Ph.D.**
Stowers Institute for Medical Research, Kansas City, MO
- **Cherrie B. Boyer, Ph.D.**
University of California, San Francisco, CA
- **Robert Full, Ph.D.**
University of California, Berkeley, CA
- **Marie-Alda Gilles-Gonzalez, Ph.D.**
UT Southwestern Medical Center, Dallas, TX
- **Jerraine M. Johnson-Heywood, Ph.D.**
Adecco at General Electric Transportation, Erie, PA
- **Mary Sanchez Lanier, Ph.D.**
Washington State University, Pullman, WA
- **Juanita L. Merchant, M.D., Ph.D.**
University of Michigan, Ann Arbor, MI
- **Joan Y. Reede, M.D., M.P.H., M.B.A.**
Harvard University, Boston, MA
- **Elba Serrano, Ph.D.**
New Mexico State University, Las Cruces, NM

National Institute of General Medical Sciences Staff and Advisors

- **Clifton Poody, Ph.D.**
Director, MORE Division, NIGMS
- **Adolphus P. Toliver, Ph.D.**
Chief, MARC Branch, MORE Division, NIGMS
- **Hinda Zlotnik, Ph.D.**
Chief, MBRS Branch, MORE Division, NIGMS
- **Shawn Drew, Ph.D.**
Program Director, MARC/MBRS, NIGMS
- **Shiva Singh, Ph.D.**
Chief, MORE Special Initiatives Branch, NIGMS

American Society for Microbiology (ASM) Staff

- **Amy L. Chang**
Director, Education Department
- **Irene V. Hulede**
Manager, Student Programs
- **Ronica Rodela**
Coordinator, Student Conferences
- **Tiffani Fonseca**
Coordinator, Student Fellowships
- **Leslie Robinson**
Communications Specialist, Education Department

ABRCMS provided an image of science as being more than just a class or a lab. It is about everyone sharing information and networking to better improve oneself and a nation that is in need of great minds.

UNDERGRADUATE STUDENT

The poster sessions were very organized, and I found the environment to be very conducive to interacting. This year there were a lot more students interacting with each other and learning about research at other institutions, which led to students talking about their different summer or postbac programs.

UNDERGRADUATE STUDENT

Information for All Attendees

ABRCMS Booth

Visit the ABRCMS booth, located outside the exhibit hall, for information on the following items and activities:

- General information
- Exhibit hall raffle

Call for Judges

On-site judges for 12 disciplines in the biomedical and behavioral sciences, including mathematics, are needed to evaluate the approximately 1,500 poster and oral presentations at the 2011 ABRCMS. For more information, visit the judges' lounge (Room 122) or attend the judges' orientation (see page 20) on Thursday, November 10, at 8:30 a.m.

Cell Phone Usage

Out of consideration for your ABRCMS colleagues, all cell phones must be turned off in session rooms.

Child Policies

Because ABRCMS is a professional meeting, bringing young children to the conference is discouraged. Attendees who bring children to ABRCMS should contact their hotel to coordinate childcare services in their hotel rooms. Note that if children two years old and over attend any portion of ABRCMS (e.g., sessions, exhibits, or meals), they must be paid registrants of the conference, wear a conference badge, and be accompanied by a parent and/or guardian at all times. Please note the following policies regarding children at ABRCMS:

Meals. Anyone entering conference meal areas must be registered and show an ABRCMS name badge at the door. Children under age two may accompany their parents and/or guardians to meals as long as they are seated in a stroller or on the lap of a parent or guardian. There are no exceptions to this policy.

Sessions. The presence of young children at ABRCMS sessions is particularly discouraged because this may distract other participants. Please contact your hotel to coordinate childcare services in your hotel room.

Exhibit hall. For any minor, regardless of registration status, a liability waiver must be completed at the registration desk by a parent or guardian. An ABRCMS staff representative will cosign the waiver and provide the parent or guardian with a copy to show security guards to gain entry into the exhibit hall. The waiver permits access to the exhibit hall only, not to meal areas or meeting rooms. No strollers are allowed in the exhibit hall. For the protection of all attendees, no dangerous or disruptive behavior will be tolerated.

Conference Orientation

The conference orientation is scheduled for Thursday, November 10, from 8:30 – 9:30 a.m. and is required for all attendees; it sets the tone for participants and prepares them to take advantage of the many opportunities available at ABRCMS. Topics will include navigating through a scientific meeting, the importance of networking, and best practices in recruitment.

Dress Code

ABRCMS is a professional conference; therefore, attendees are expected to dress professionally for all conference activities. Student attendees should be especially mindful that they are at the beginning of their careers and first impressions are critical. It is recommended that male students wear button-down shirts with collars. Although ties are appropriate, they are not required. Female students must also dress professionally. Short skirts, half tops, and anything considered “club attire” are not appropriate attire for conferences.

E-mail Center

The e-mail center, located outside Ballroom B, is available for all attendees to receive and send e-mail during ABRCMS. Please limit your sessions to 15 minutes.

E-Mail Center Hours

Wednesday, November 9	12:00 p.m. – 10:00 p.m.
Thursday, November 10	7:30 a.m. – 10:00 p.m.
Friday, November 11	7:30 a.m. – 8:00 p.m.
Saturday, November 12	7:30 a.m. – 6:30 p.m.

Evaluation

A conference evaluation will be e-mailed to all attendees immediately following the conference. We value your feedback, and every completed evaluation helps us improve future conferences.

Exhibits

Over 300 academic institutions, organizations, foundations, professional societies, and federal agencies that offer services and programs for minority students in the biomedical and behavioral sciences will showcase information on fellowships, graduate programs, postdoctoral training opportunities, and student membership during the ABRCMS exhibits program.

The exhibits program is located in the America's Center Exhibit Hall 4 on the Plaza level of the convention center. The hall is open to all attendees at the following times:

Exhibits Program Schedule

Thursday, November 10	2:15 p.m. – 6:30 p.m.
Friday, November 11	10:45 a.m. – 12:15 p.m. 3:30 p.m. – 6:30 p.m.
Saturday, November 12	9:30 a.m. – 12:30 p.m.

Please refer to the ABRCMS exhibitor guide for more information.

Important Conference Information (continued)

First Aid

First aid services will be available next to Room 115 (across from the registration desk) of the America's Center.

First Aid Services Hours

Wednesday, November 9	12:00 p.m. - 10:00 p.m.
Thursday, November 10	7:30 a.m. - 10:30 p.m.
Friday, November 11	7:30 a.m. - 8:00 p.m.
Saturday, November 12	7:30 a.m. - 9:30 p.m.

Judges' Orientation

All individuals volunteering to judge student presentations **must** attend this session. Expectations of judges and the ABRCMS judging process will be discussed, and judging packets will be distributed. Judges who do not attend the orientation should pick up their packet at the Judges Lounge (Rooms 121 & 122). The orientation is Thursday, November 10, from 8:30 to 9:30 a.m.

Message Board

A message board, prominently displayed in the registration area, provides a location for attendees to post messages, job openings, or announcements during the conference.

Name Badge Replacement Fee

Attendees must wear their ABRCMS name badge to all conference functions. Name badges permit access to all sessions, the e-mail center, exhibits program, and conference meals. No individual without an official ABRCMS name badge will be permitted in these areas. **Please note: there is a \$100 fee for replacement name badges.**

Networking Meals

ABRCMS offers many opportunities for networking. Join colleagues with similar interests to share ideas and develop research collaborations. All ABRCMS meals are held in Hall 3, and the conference registration fee covers all meals except Friday dinner. Name badges are required to enter the meals area.

Photo Policy

In order to protect data shared during presentations, no photos may be taken of posters or scientific session slides at ABRCMS.

Safety Tips

Meeting participation, with its related travel, is a major component of scientific work. New cities, people, and environments move us away from our normal, routine lives and may cause us to let down our guard. It is important for ABRCMS participants to remember that no place is exempt from crime. For safety tips to help you travel safely, please inquire at the Convention Center information desk.

Speaker Ready Room

The speaker ready room is located in the Charlotte Convention Center, Room 215. Technical support staff will be available in the room to assist speakers and student oral presenters with their presentations. **All speakers should check in with the technical support staff at least one hour prior to giving their presentations.**

Information for Student Presenters

Oral Presentations

Student oral presentations have been divided into two sessions. One will be held on Thursday, November 10, from 5:30 to 6:30 p.m., and the other on Saturday, November 12, from 8:30 to 9:30 a.m. Presentation numbers and room assignments are listed on page 25-27 and 32-34. **Students who arrive late or who do not turn in their presentations by the deadline will not be permitted to present. There are no exceptions to this policy.**

Poster Presentations

All undergraduate, postbaccalaureate, and graduate student poster presentations will take place in seven sessions scheduled Thursday through Saturday, November 10 to 12, in the America's Convention Center Exhibit Hall 4 and Plaza Lobby. Students are expected to be present at their respective poster boards and to present their research during the entire duration of their assigned time. Students who do not show up for their presentations may not be permitted to present in the future. **Faculty mentors should not coach students during their presentations.** Students whose abstracts were not accepted may not put up posters or present their findings at any time during the conference.

Alphabet Soup? A Glossary for ABRCMS Students

Students, we realize that the many abbreviations, acronyms, and initialisms used as shorthand for scientific organizations can be a source of confusion when you are just beginning your research career. To help keep everyone on the same page, here is a glossary of common terms that you will encounter in this program — and see throughout your career.

AAAS	– American Association for the Advancement of Science
FASEB	– Federation of American Societies for Experimental Biology
HHMI	– Howard Hughes Medical Institute
MARC	– Minority Access to Research Careers
MBRS	– Minority Biomedical Research Support
MORE	– Minority Opportunities in Research
NIH	– National Institutes of Health
NIGMS	– National Institute of General Medical Sciences
RISE	– Research Initiative for Scientific Enhancement
U-STAR	– Undergraduate Student Training in Academic Research

Please refer to the poster set-up and take-down times below for each respective poster session. Posters not removed promptly may be discarded; posters set up late may be ineligible for the poster competition.

Poster Presentation Schedule

Session 1 (A)	Thursday, November 10, 2:30 p.m. – 3:45 p.m. Set-up: 2:15 p.m. – 2:30 p.m. Take-down: 5:15 p.m. – 5:30 p.m.
Session 2 (B)	Thursday, November 10, 4:00 p.m. – 5:15 p.m. Set-up: 2:15 p.m. – 2:30 p.m. Take-down : 5:15 p.m. – 5:30 p.m.
Session 3 (C)	Friday, November 11, 11:00 a.m. – 12:15 p.m. Set-up: 10:45 a.m. – 11:00 a.m. Take-down : 12:15 p.m. – 12:30 p.m.
Session 4 (D)	Friday, November 11, 3:45 p.m. – 5:00 p.m. Set-up: 3:30 p.m. – 3:45 p.m. Take-down: 6:30 p.m. – 6:45 p.m.
Session 5 (E)	Friday, November 11, 5:15 p.m. – 6:30 p.m. Set-up: 3:30 p.m. – 3:45 p.m. Take-down: 6:30 p.m. – 6:45 p.m.
Session 6 (F)	Saturday, November 12, 9:45 a.m. – 11:00 a.m. Set-up: 9:30 a.m. – 9:45 a.m. Take-down: 12:30 p.m. – 12:45 p.m.
Session 7 (G)	Saturday, November 12, 11:15 a.m. – 12:30 p.m. Set-up: 9:30 a.m. – 9:45 a.m. Take-down: 12:30 p.m. – 12:45 p.m.

Raffle Drawings

At the end of each of the seven poster session, a raffle is held outside the main exhibit hall at the ABRCMS booth. This is an effort to promote student participation in the exhibits program; as such, exhibitors may give raffle tickets to students who show genuine interest in the programs they have to offer. Winners receive exhibitor-donated, institutional logo items such as hats, shirts, bags, mugs, or portfolios. Students may enter to win prizes on each day of exhibits.

Student Certificates

Each student who participates in a poster or oral presentation will receive a certificate of participation. Certificates will be mailed after the conference to the address that the student listed on the abstract submission site.

Information for Judges

Judges' Orientation

(Mandatory for All Student Presentation Judges)

An orientation session is scheduled for all judges on Thursday, November 10, from 8:30 a.m. to 9:30 a.m. Anyone volunteering to judge student presentations **must** attend this session. Orientations will be held by scientific disciplines below; please attend the session for your assigned discipline.

Expectations of judges and the ABRCMS judging process will be discussed, and judging packets will be distributed. If you have questions about the session, please come to the judges' lounge (Rooms 121 & 122).

Biochemistry

Location: Room 240

Cancer Biology

Location: Room 120

Cell Biology

Location: Room 241

Chemistry

Location: Room 127

Developmental Biology and Genetics

Location: Room 260

Engineering, Physics and Mathematics

Location: Room 275

Immunology

Location: Room 263

Microbiology

Location: Room 130

Molecular and Computational Biology

Location: Room 276

Neuroscience

Location: Room 242

Physiology

Location: Room 274

Social and Behavioral Sciences and Public Health

Location: Room 123

Information for MORE/NIGMS Program Directors

PREP Program Director Meeting: This meeting is scheduled for Wednesday, November 9, from 8:30 p.m. to 10:00 p.m. in Room 106.

MARC/MBRS Program Director Meeting: This meeting is scheduled for Friday, November 11, from 8:45 p.m. to 10:00 p.m., at the Renaissance Grand Hotel – Landmark 1 & 2.

BRIDGES Program Director Meeting: This meeting is scheduled for Friday, November 11, from 9:15 p.m. to 10:00 p.m., at the Renaissance Grand Hotel – Landmark 3.

ABRCMS Conference Highlights & Opportunities

The 2011 conference offers a comprehensive program of scientific sessions, professional development workshops, student oral and poster presentations, and exhibits. Full program details are provided later in this program; meanwhile, please take note of the following highlights and opportunities:

ABRCMS Student Travel Awardee Orientation

A brief, **mandatory** orientation for all ABRCMS Student Travel Awardees will be held Wednesday, November 9, from 9:30 to 10:00 p.m. **There will be no travel reimbursement for awardees who miss this orientation.**

Career Coaching Corner

The Career Coaching Corner offers a unique opportunity for participants to engage in discussions with leaders in all scientific disciplines. Don't miss this opportunity to seek individual advice on goal setting, identifying careers and becoming successful in the sciences.

Conference Orientation

The conference orientation is required for all attendees and prepares participants to take advantage of the many opportunities available at ABRCMS. Topics covered include navigating a scientific meeting, the importance of networking, and best practices in recruitment. The orientation is scheduled on Thursday, November 10, from 8:30 a.m. to 9:30 a.m.

Exhibits Program

The ABRCMS exhibits program is an integral component of the conference that provides attendees with opportunities to learn about the many summer research opportunities, funding sources, internships, professional networks, and graduate programs within the biomedical and behavioral sciences, including mathematics. Approximately 280 exhibitors consisting of educational institutions, federal and government agencies, industry-based companies, foundations, and research hospitals will be represented.

Exhibit Set-Up and Break Down

Wednesday, November 9:	2:00 p.m. – 8:00 p.m. (Set-up)
Thursday, November 10:	8:00 a.m. – 12:00 p.m.
Saturday, November 12:	12:00 p.m. – 3:00 p.m. (Break Down)

Dates and Times of Exhibition

Thursday, November 10:	2:15 p.m. – 6:30 p.m.
Friday, November 11:	10:45 a.m. – 12:15 p.m. and 3:30 p.m. – 6:30 p.m.
Saturday, November 12:	9:30 a.m. – 12:30 p.m.

Meet and Greet Speakers

Invited ABRCMS speakers will be available to meet informally with students during main exhibition hours on Thursday and Friday. This is a wonderful opportunity to meet one on one with speakers and learn more about their research and pathways to success.

Networking Meals

ABRCMS offers many opportunities for networking. One example of this occurs during breakfast and lunch, where you will find tables charted on screen according to the 12 scientific disciplines in the biomedical and behavioral sciences. Join colleagues with similar interests, share ideas, and develop research collaboration.

NIGMS Grants Management Open House

NIGMS Grants Management is located at booth 114 near the entrance of the exhibit hall. Stop by to discuss grant-specific issues with any of the NIGMS Grants Management staff.

Student Presentations and Awards

Poster presentations are scheduled throughout the conference during exhibit hours. A small number of abstracts have been chosen for oral presentations. The student oral presentations will be held on Thursday, November 10, from 5:30 p.m. to 6:30 p.m., and Saturday, November 12, from 8:30 a.m. to 9:30 a.m. Undergraduate and postbaccalaureate presentations will be judged during the conference, and those receiving the highest scores will be given awards at the closing banquet on Saturday, November 12.



This was my first time attending the ABRCMS meeting, and it far exceeded my expectations. Superb resources and learning experiences for undergraduate students!

2009 FACULTY PARTICIPANT





“This was the best ABRCMS yet! The speakers were so inspiring! My students and I are still talking about them. The students made wonderful contacts and soaked up so much great advice. Discovery Place was so much fun – what a bonus! The staff did a wonderful job with organization and planning, and the steering committee is to be highly praised. Overall, amazing job!”

2010 FACULTY PARTICIPANT

“ABRCMS is a real class act — one that would be very hard to follow by any other venue group. Keep up the good work!”

2009 FACULTY PARTICIPANT



“I was tremendously impressed by the outstanding organization and professionalism of this conference. I would highly recommend it to undergraduate students and am very pleased that I was able to participate this year.”

FACULTY PARTICIPANT



Program Highlights

Professional Development Sessions

To serve the needs of ABRCMS attendees, in addition to the keynote and scientific sessions offered at the conference, a series of professional development sessions and activities have been organized specifically for you. See pages ____ for details.

Undergraduate and Postbaccalaureate Students

Wednesday, November 9

12:00 p.m. – 5:30 p.m.

- Campus Tour of Washington University in St. Louis

4:00 p.m. – 5:00 p.m.

- Immunocytochemistry 101: How Best to Do It and Show Your Results

5:15 p.m. – 6:00 p.m.

- Presentation Techniques: How to Make Effective Poster and Oral Presentations

8:15 p.m. – 9:15 p.m.

- Networking in Your Discipline

Thursday, November 10

8:30 a.m. – 9:30 a.m.

- Undergraduate and Postbaccalaureate Student Orientation

11:00 a.m. – 12:15 p.m.

- Picking the Perfect Ph.D. Program for You
- M.D.-Ph.D. — Is It Right for Me?
- Graduate Opportunities in Public and Global Health Research
- Summer Research Programs — Essential Components of the Graduate School Application Process

3:15 p.m. – 4:15 p.m.

- Career Coaching Corner / Meet and Greet Speakers

7:45 p.m. – 9:30 p.m.

- Gateway to the Future — Career Paths in the Biomedical Sciences, STEM Disciplines, and Behavioral Sciences

Friday, November 11

8:30 a.m. – 9:30 a.m.

- Changes in the GRE and MCAT

2:30 p.m. – 3:30 p.m.

- Mentoring: an Enabling Relationship that Fosters Professional Growth and Development
- Achieving Your Goals: Goal-Setting Strategies for Scientific and Career Success

4:30 p.m. – 5:30 p.m.

- Career Coaching Corner / Meet and Greet Speakers

6:45 p.m. – 7:45 p.m.

- Strategies for Taking Standardized Admissions Tests: Preparing for the GRE and MCAT
- Graduate School Application Process
- The Ins and Outs of Time between College and Graduate School — the Postbaccalaureate Experience
- Interviewing for Graduate School Admissions: Dos and Don'ts

Saturday, November 12

7:30 a.m. – 8:15

- Open Feedback Forum

2:45 p.m. – 3:45 p.m.

- Graduate School Experience: A Personal Story

4:00 p.m. – 5:00 p.m.

- Writing a Successful Personal Statement to Get into Highly Competitive Graduate Schools and Summer Programs
- How to Get Great Letters of Recommendation
- Tips on Applying to an NIH Postbaccalaureate Program

5:15 p.m. – 6:15 p.m.

- Speed Apps — Grad Application Networking
- Time Management and Work/Life Balance

Graduate Students and Postdoctoral Scientists

Wednesday, November 9

2:00 p.m. – 5:15 p.m.

- Teaching & Learning 101: An Introduction to Effective Teaching

4:00 p.m. – 5:00 p.m.

- Immunocytochemistry: How Best to Do It and Show Your Results

8:15 p.m. – 9:15 p.m.

- Networking in Your Discipline

9:30 p.m. – 10:30 p.m.

- Graduate Student and Postdoctoral Scientists Mixer

Thursday, November 10

8:30 a.m. – 9:30 a.m.

- Orientation for Graduate Students and Postdoctoral Scientists

11:00 a.m. – 12:15 p.m.

- Grant Writing 101 for Graduate Students and Postdocs

11:00 a.m. – 12:15 p.m.

- Fostering Achievement Retention and Equity for All Students: Key Recent Examples

3:15 p.m. – 4:15 p.m.

- Career Coaching Corner / Meet and Greet Speakers

7:45 p.m. – 9:30 p.m.

- Job Search Skill Blitzes for Graduate Students and Postdoctoral Scientists

Friday, November 11

8:30 a.m. – 9:30 a.m.

- Getting Published: Advice for Graduate Students and Postdoctoral Scientists

2:30 p.m. – 3:30 p.m.

- Achieving Your Goals: Goal-Setting Strategies for Scientific and Career Success

4:30 p.m. – 5:30 p.m.

- Career Coaching Corner / Meet and Greet Speakers

Saturday, November 12

7:30 a.m. – 8:15 a.m.

- Open Feedback Forum

2:45 p.m. – 3:45 p.m.

- Career Decisions: How to Find a Science Career that Fits YOU
- Improving Student Learning in Undergraduate Sciences via Assessment

4:00 p.m. – 5:00 p.m.

- Navigating Your Way into a Postdoctoral Position and Opportunities for a Successful Postdoctoral Experience

Faculty, Program Directors and Exhibitors

Wednesday, November 9

8:30 a.m. – 4:30 p.m.

- RISE and MARC Technical Assistance Workshop

2:00 p.m. – 5:15 p.m.

- Teaching & Learning 101: An Introduction to Effective Teaching

8:15 p.m. – 9:15 p.m.

- Networking in Your Discipline

8:30 p.m. – 10:00 p.m.

- PREP Program Director Meeting

Thursday, November 10

8:30 a.m. – 9:30 a.m.

- Orientation for Exhibitors
- Orientation for Judges

11:00 a.m. – 12:15 p.m.

- Fostering Achievement Retention and Equity for All Students: Key Recent Examples
- NIH Grants Management Workshop

7:45 p.m. – 9:30 p.m.

- Bio2010 Meets Vision and Change in Undergraduate Biology Education: The HHMI SEA National Genomics Research Initiative

Friday, November 11

8:30 a.m. – 9:30 a.m.

- Peer-Led Team Learning: A Faculty-Student Partnership for Educational Reform in the Sciences

2:30 p.m. – 3:30 p.m.

- MARC T34/NIGMS T32 Program Director Meet and Greet
- gCAT, Synthetic Pathology & Summer Faculty Workshop Opportunity

6:45 p.m. – 8:30 p.m.

- Reception for Exhibitors, Speakers, Program Directors, and Judges

8:45 p.m. – 10:00 p.m.

- MARC/MBRS/RISE/SCORE Program Director Meeting

9:15 p.m. – 10:00 p.m.

- BRIDGES Program Director Meeting

Saturday, November 12

2:45 p.m. – 3:45 p.m.

- Improving Student Learning in Undergraduate Sciences via Assessment

Graduate Student and Postdoctoral Scientist Opportunities

PROGRAM INCLUDES

- Professional Development Opportunities for Graduate Students and Postdoctoral Scientists
- Doctoral-Level Graduate Student Poster Presentations
- Postdoctoral Fellowship Opportunities
- Networking Reception
- Mentoring
- Career Counseling

Since 2001, ABRCMS has doubled its number of graduate and postdoctoral scientist attendees. This has prompted the conference to continue to offer opportunities for:

1. Representatives from postdoctoral fellowship programs to recruit graduate students and postdoctoral scientists.
2. Graduate students to present their research and network with faculty, postdoctoral scientists, and colleagues.



Number of Graduate and Postdoc Attendees

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011*
Grad/Postdoc	161	251	311	316	371	400	235	294	293	295	267

*As of October 31, 2011

Graduate Student Presentations

NEW THIS YEAR

Graduate and undergraduate poster sessions will be held concurrently in the main exhibit hall; however, graduate presentations will be held in a separate area of the hall and are not judged or eligible for awards. Representatives and faculty from postdoctoral fellowships and other educational programs are encouraged to visit the posters and take advantage of this opportunity for graduate students, postdoctoral scientists, and faculty to network.

Keystone Travel Award for Graduate Students & Postdocs

Keystone Symposia on Molecular and Cellular Biology will grant two travel awards to eligible graduate students and postdocs attending the 2011 ABRCMS. The award will cover the registration fee for a keystone conference selected in addition to travel and lodging expenses up to \$1,000. Award eligibility requires a brief survey during ABRCMS.

“As a postdoc recruiter, I found the graduate student poster presentations to be very helpful. It allowed me to speak with the students more directly about their research and to evaluate their scientific abilities.”

POSTDOCTORAL RECRUITER

“We are able to get a feel for what our peers are working on, as well as what types of postdoctoral opportunities are currently being offered. In many cases, we were also able to talk face to face with potential postdoc employers.”

2010 GRADUATE STUDENT

Conference Program

Keynote, Plenary, and Concurrent Scientific Speakers

Wednesday, November 9, 7:15 – 8:15 p.m.

OPENING KEYNOTE ADDRESS



NSF: “Ground Zero” of the 21st Century’s Science and Technology Workforce

Cora Marrett, Ph.D.

National Science Foundation, Arlington, VA

Friday, November 11, 1:15 – 2:15 p.m.

PLENARY SCIENTIFIC SESSION



Using Simple Cells to Model Complex Diseases

Susan Lindquist, Ph.D.

Whitehead Institute for Biomedical Research, Howard Hughes Medical Institute, and Massachusetts Institute of Technology, Cambridge, MA

Thursday, November 10, 1:15 – 2:15 p.m.

PLENARY SCIENTIFIC SESSION



Dying Young as Late in Life as Possible: Stem Cells, Tissue Renewal, and Regeneration

Alejandro Sanchez Alvarado, Ph.D.

Howard Hughes Medical Institute and the Stowers Institute for Medical Research, Kansas City, MO

Saturday, November 12, 1:30 – 2:30 p.m.

CLOSING KEYNOTE ADDRESS



Skin in the Game: Biomedical Research, Health Disparities, and the Role of Researchers of Color

Julianne Malveaux, Ph.D.

Bennett College, Greensboro, NC

Friday, November 11, 9:45 – 10:45 a.m.

PLENARY SCIENTIFIC SESSION



Is Our Reality in ‘The Matrix’?

Sylvester James Gates, Jr., Ph.D.

University of Maryland, College Park, MD



I think that this conference was certainly an eye-opening experience. Before this, I did not know what to expect or where to start when it came to applying or searching for graduate schools. Now I feel so much more equipped, inspired and enthusiastic about completing my Ph.D. and, above all, giving back to the community during and after my journey. This conference has been a vital part of my undergraduate experience and I believe that all students like me should be exposed to things that this conference brought to me.

THANK YOU ABRCMS!

UNDERGRADUATE STUDENT



I was very impressed by the level of professionalism of the student presenters. The scientific research presented at this conference by students and invited speakers was excellent. This is the best conference that I have attended in terms of offering students opportunities in research. The number of university recruiters, networking sessions, motivational speakers and the high-level science were a winning mixture for encouraging young scientists.

2009 FACULTY PARTICIPANT



ABRCMS has truly been a beacon of light to students such as myself who were not aware of the many opportunities that were — and still are — available to them. ABRCMS induces a sort of lifestyle that students carry back to their institutions. This new lifestyle leads to earlier preparation, better study habits, networking, and most importantly, self-actualization. ABRCMS inspires students to grow by providing them a platform where they can take part in shaping who they ultimately desire to become. Thank you!

UNDERGRADUATE STUDENT



Concurrent Scientific Sessions - Thursday, November 10, 9:45 – 10:45 a.m.



Concurrent Scientific Session 1

From the Study of DNases to Anticancer Drug Screening; an Unexpected Scientific Journey
(Sponsored by the American Society for Cell Biology)
Renato Aguilera, Ph.D.
 University of Texas at El Paso, El Paso, TX



Concurrent Scientific Session 2

Shiga Toxins: Potent Poisons Essential for Virulence of *Escherichia coli* Causing Food-Borne Bloody Diarrhea and Kidney Disease
(Sponsored by the American Society for Microbiology)
Alison O'Brien, Ph.D.
 Uniformed Services University of the Health Sciences, Bethesda, MD



Concurrent Scientific Session 3

A Tale of LINES: Epigenetic Reactivation of L1 Retrotransposon by DNA-Damaging Agents
(Sponsored by the Society of Toxicology)
Ken Ramos, Ph.D.
 University of Louisville, Louisville, KY



Concurrent Scientific Session 4

People and Plants: What Does Ethnobotany Offer Biomedicine, and at What Cost?
(Sponsored by the American Society of Plant Biologists)
Memory Elvin-Lewis, Ph.D.
 Washington University in St. Louis, St. Louis, MO



Karen C. Hall, Ph.D.
 Clemson University, Clemson, SC



Concurrent Scientific Session 5

Learning the Grammar for Selective Acylation of Polyamines for Biomedical Application
Carlos Gutiérrez, Ph.D.
 California State University at Los Angeles, CA



Concurrent Scientific Session 6

Evaluating the Harms of Repeat Cancer Screening for Use in Health Policy and Decision Making
Rebecca Hubbard, Ph.D.
 Group Health Research Institute and University of Washington, Seattle, WA



Concurrent Scientific Session 7

Understanding the Transmission Dynamics of Drug-Resistant Tuberculosis: A Multidisciplinary Approach
Megan Murray, M.D., M.P.H., Sc.D.
 Brigham and Women's Hospital, Harvard School of Public Health, and Harvard Medical School, Boston, MA



Concurrent Scientific Session 8

Interagency Collaboration and Coordination in Social Policy Research: An Evidence-Based Strategy for Sustainable Employment
Pamela Scott-Johnson, Ph.D.
 Morgan State University, Baltimore, MD

“Continue to do everything that has made the conference a success! This was my first year attending and EVERYTHING from registration to packing up to leave was one of the smoothest processes I've experienced.”
 2009 EXHIBITOR

“I am absolutely resolved to return to ABRCMS. The level of the conference, the young and interested students, the speakers, made me come back to my university with a renewed motivation. It was also a transformative experience for my undergraduate student (who presented a poster this year). She is now applying to Ph.D. programs.”
 FACULTY PARTICIPANT

Final Program

Wednesday, November 9, 2011

8:30 a.m. – 4:30 p.m. **RISE and MARC Technical Assistance Workshop** Location: Renaissance Grand Hotel (Majestic Ballroom C)

This workshop, offered by MORE staff, focuses on the MBRS RISE and the MARC U-STAR programs. The workshop will examine the most recent RISE and MARC program announcements, highlighting information needed to develop a competitive grant application. Anyone wanting to learn more about the RISE and MARC programs, application content, and enhanced peer review criteria is invited to participate.

Speakers

Hinda Zlotnik, Ph.D., NIGMS, NIH, Bethesda, MD

Adolphus Toliver, Ph.D., NIGMS, NIH, Bethesda, MD

Don Frazier, Ph.D., University of Kentucky, Lexington, KY

Kathy Doyle Grzech, M.A., University of Kentucky, Lexington, KY

Ada Sue Selwitz, M.A., University of Kentucky, Lexington, KY

10:00 a.m. – 4:00 p.m. **Explore St. Louis on Your Own**

From the famous Gateway Arch to the expansive Forest Park — 500 acres larger than New York City's Central Park — see the best St. Louis has to offer. Be sure to explore the City Museum, Missouri Botanical Gardens, and St. Louis Science Center!

12:00 p.m. – 5:30 p.m. **Campus Tour of Washington University in St. Louis**

(Sponsored by Washington University in St. Louis)

Washington University in St. Louis (WUSTL) welcomes all ABRCMS attendees! See our campuses to learn more about the exciting opportunities and programs we offer. WUSTL is committed to fostering diversity in the research community — both at our institution and beyond. This visit offers undergraduates, graduate students, postdoctoral researchers, faculty mentors, and program advisors the opportunity to meet WUSTL students, staff, faculty, and administrators. Plus, lunch will be served! Meet at the plaza entrance of the America's Center.

12:00 p.m. – 8:00 p.m. **Registration Open**

Location: Plaza Lobby

2:00 p.m. – 8:00 p.m. **Exhibit Setup**

Location: Hall 4

2:00 p.m. – 5:15 p.m. **PRECONFERENCE SESSION**

Location: Room 123

Teaching and Learning 101: A Brief Introduction to Effective Teaching in Science, Engineering and Mathematics

(Recommended for graduate students, postdoctoral scientists, and faculty)

The overall theme of this session is increasing achievement for all students while also increasing retention and equity. Come prepared for an afternoon of very active learning in which short presentations alternate with writing and small- and whole-group discussions of ideas, examples, and implementation. Participants will consider and discuss how these approaches might apply in their own teaching now or in the future. The focus will be on evidence-based answers to four key questions:

1. Why should graduate students and postdocs build a strong record of teaching and assessment?
2. How can I radically reduce or even eliminate low grades in lecture courses and lab sections — without lowering standards?
3. How can I quickly make my students brighter and harder-working in any course?
4. How do many traditional teaching and grading techniques unnecessarily disadvantage many nontraditional students (i.e., first-generation, minority, rural, inner city, etc.), and how can we make our courses fairer without lowering standards?

Speaker

Craig Nelson, Ph.D., Indiana University, Bloomington, IN

PRECONFERENCE SESSION

4:00 p.m. – 5:00 p.m. **Immunocytochemistry 101: How Best to Do It and Show Your Results** Location: Room 120

(Recommended for undergraduate and postbaccalaureate students)

Immunocytochemistry is the science of using antibodies to locate and identify molecules in cells and tissues and visualize them with microscopical staining methods. It is one of the most powerful techniques in wide use for cell biology research. Although fundamentally simple, the various immunocytochemical procedures have many pitfalls that can produce poor results and invalid interpretations. When used properly, immunocytochemistry is a powerful tool to obtain information about cell structure and function. This presentation explains the essential steps and control procedures that are necessary for obtaining valid results with immunocytochemistry.

Speakers

Denis Baskin, Ph.D., Seattle VA Medical Center and University of Washington, Seattle, WA

Eduardo Rosa-Molinar, Ph.D., University of Puerto Rico at Rio Piedras, San Juan, PR

Wednesday, November 9, 2011

5:15 p.m. – 6:00 p.m.	Presentation Techniques: How to Make Effective Poster and Oral Presentations <i>(Recommended for first-time presenters)</i> Effective communication is essential to every stage of a scientific career. This workshop offers philosophies and strategies for making the most of each opportunity to attend a scientific meeting and present your work. Students will learn the essentials of designing compelling oral and poster presentations, including how to develop a clear conceptual framework, add graphics, polish delivery, and respond to questions. <i>Speaker</i> Michelle Swanson, Ph.D., University of Michigan, Ann Arbor, MI	Location: Room 127
6:30 p.m. – 7:15 p.m.	Dinner	Location: Hall 3
7:15 p.m. – 8:15 p.m.	Conference Overview John Fitzgerald Gates, Ph.D., Criticality Management Consulting, New York, NY <i>Opening Remarks</i> Clifford W. Houston, Ph.D., University of Texas Medical Center at Galveston, Galveston, TX <i>Conference Welcome</i> Clifton Poodry, Ph.D., MORE Division, NIGMS, NIH, Bethesda, MD <i>Opening Keynote Address</i> <i>Speaker</i> Cora Marrett, Ph.D., National Science Foundation, Arlington, VA	Location: Hall 3
8:15 p.m. – 9:15 p.m.	Networking in Your Discipline This informal session is designed to help students transition to the next level — being involved with their disciplinary societies and attending professional society meetings. Scientists from various disciplinary societies will lead the session, interact one on one with students, discuss student activities and programs offered by their organizations, and offer advice on career pathways and work and personal life balance. Program directors and faculty advisors are invited to attend.	
	Biochemistry	Location: Room 101
	Cancer Biology	Location: Room 127
	Cell Biology	Location: Room 130
	Chemistry	Location: Room 131
	Developmental Biology and Genetics	Location: Room 120
	Engineering, Physics and Mathematics	Location: Room 102
	Microbiology and Immunology	Location: Room 132
	Molecular and Computational Biology	Location: Room 100
	Neuroscience	Location: Room 105
	Physiology	Location: Room 103
	Plant Biology	Location: Room 104
	Social and Behavioral Sciences and Public Health	Location: Room 123
8:30 p.m. – 10:00 p.m.	PREP Program Director Meeting	Location: Room 106
9:30 p.m. – 10:00 p.m.	ABRCMS Student Travel Awardees Orientation	Location: Room 123
9:30 p.m. – 10:30 p.m.	GRADUATE STUDENT AND POSTDOCTORAL SCIENTIST MIXER <i>Sponsored by Procter & Gamble and the University of Alabama at Birmingham, Graduate Biomedical Sciences</i> Graduate students, postdoctoral scientists, and recruiters of postdoctoral graduate positions are invited to attend this mixer, a great opportunity to share experiences, relax, and network. This event is NOT open to undergraduates or postbaccalaureates.	Location: Renaissance Grand Hotel (Washington Room)

Continued on next page

Thursday, November 10, 2011

7:30 a.m. – 5:00 p.m. **Registration Open** Location: Plaza Lobby

7:30 a.m. – 8:15 a.m. **Networking Breakfast** Location: Hall 3

8:00 a.m. – 12:00 p.m. **Exhibit Setup** Location: Hall 4

8:30 a.m. – 9:30 a.m. **CONFERENCE ORIENTATION**

Orientation for Undergraduates and Postbaccalaureates Location: Rooms 220-229

(Mandatory for undergraduates and postbaccalaureates)

This orientation sets the tone of the conference, provides an overview of ABRCMS for attendees, and prepares them to take advantage of the many opportunities available at the meeting. Featured topics include tips on (i) following essential conference etiquette, (ii) making the best of a scientific meeting, (iii) successfully navigating a national conference, (iv) establishing mentoring relationships, (v) networking opportunities and techniques, and (vi) maximizing professional growth opportunities.

Networking as a Required Life Skill and Professionalism as a Necessary Attribute for Students

Speaker

Howard G. Adams, Ph.D., *H.G. Adams and Associates, Norfolk, VA*

Program Overview and Making the Most of ABRCMS

Speaker

Mary Sanchez Lanier, Ph.D., *Washington State University, Pullman, WA*

Orientation for Graduate Students and Postdoctoral Scientists Location: Room 132

(Mandatory for master's-level graduate students, doctoral-level graduate students and postdoctoral scientists)

This session highlights how graduate students and postdoctoral scientists can benefit from ABRCMS. In addition, conference program enhancements for graduate students and postdoctoral scientists will be discussed.

Speakers

Ansley Abraham, Ph.D., *Southern Regional Educational Board, Atlanta, GA*

Roberta Pokphanh, Ph.D., *University of Kansas, Lawrence, KS*

Orientation for Exhibitors Location: Room 131

(Recommended for first-time and returning exhibitors)

The session focuses on meeting highlights for exhibitors and how exhibitors can make the most of their ABRCMS experience and take leadership roles at the conference. The session will cover future directions of ABRCMS, solicit feedback, and answer questions that exhibitors may have. A representative from Freeman, the ABRCMS exhibit hall decorator, will be available to answer questions.

Speaker

John Augusto, Ph.D., *University of Kansas, Lawrence, KS*

Amy Chang, M.S., *American Society for Microbiology, Washington, DC*

Meredith Martin, *Freeman Atlanta, GA*

Orientation for Judges (All 12 disciplines)

(Mandatory for all student presentation judges)

Pick up your judging packet and learn the ins and outs of the ABRCMS judging process.

- *Biochemistry* Room 240
- *Cancer Biology* Room 120
- *Cell Biology* Room 241
- *Chemistry* Room 127
- *Developmental Biology and Genetics* Room 260
- *Engineering, Physics and Mathematics* Room 275
- *Immunology* Room 263
- *Microbiology* Room 130
- *Molecular and Computational Biology* Room 276
- *Neuroscience* Room 242
- *Physiology* Room 274
- *Social and Behavioral Sciences and Public Health* Room 123

Judges needed!
Attend this session if you are interested in serving as an ABRCMS judge.

Thursday, November 10, 2011

9:45 a.m. – 10:45 a.m. **CONCURRENT SCIENTIFIC SESSIONS**

(Eight session options)

Session 1

Location: Room 260

From the Study of DNases to Anticancer Drug Screening; an Unexpected Scientific Journey

Sponsored by the American Society for Cell Biology

Over the past two decades, the Aguilera lab has cloned and characterized DNase II enzymes from several species. Work by this lab and others has revealed that these enzymes are essential for phagocytic DNA degradation. The lab has also demonstrated that the depletion of this enzyme results in severely immunocompromised fruit flies that rapidly succumb to bacterial infection. Subsequent genome-wide microarray analyses revealed that a large number of genes in DNase-II-deficient flies are affected, and current studies are under way to determine which genes are responsible for the loss of fly viability after infection. In addition to this ongoing research, the lab has been involved in recent efforts to discover novel anticancer drugs.

Speaker

Renato Aguilera, Ph.D., University of Texas at El Paso, El Paso, TX

Introduction of Speaker

Andrew Campbell, Brown University, Providence, RI

Session 2

Location: Rooms 261 & 265

Shiga Toxins: Potent Poisons Essential for Virulence of *Escherichia coli* Causing Food-Borne Bloody Diarrhea and Kidney Disease

Sponsored by the American Society for Microbiology

This session focuses on the Shiga toxin made by some types of *Escherichia coli* that are associated with bloody diarrhea and hemolytic uremic syndrome, a potentially lethal kidney disease. Shiga-toxin-producing *Escherichia coli* has caused sporadic and large outbreaks of illness, including the recent outbreak in Germany that was linked to contaminated sprouts.

Speaker

Alison O'Brien, Ph.D., Uniformed Services University of the Health Sciences, Bethesda, MD

Introduction of Speaker

Olivia Harriott, Ph.D., Fairfield University, Fairfield, CT

Session 3

Location: Room 276

A Tale of LINES: Epigenetic Reactivation of L1 Retrotransposon by DNA-Damaging Agents

Sponsored by the Society of Toxicology

Long interspersed nuclear element-1 (LINE-1 or L1) is a mobile genetic element reactivated by DNA-damaging agents, such as polyaromatic hydrocarbons (PAHs) and UV light. These elements comprise 21% of the human genome, and up to 100 are believed to remain retrotransposition competent. Recent studies in the Ramos laboratory have shown that the reactivation of L1 by PAHs involves ligand-mediated activation of the aryl hydrocarbon receptor transcription factor, oxidative stress, and disruption of epigenetic programming via changes in DNA and histone methylation. One of the most detrimental consequences of L1 reactivation is its insertion into functional regions of the genome, leading to the disruption of cellular function and disease.

Speaker

Ken Ramos, Ph.D., University of Louisville, Louisville, KY

Introduction of Speaker

Antonio Baines, Ph.D., University of North Carolina at Chapel Hill, Chapel Hill, NC

Session 4

Location: Room 275

People and Plants: What Does Ethnobotany Offer Biomedicine and at What Cost?

Sponsored by the American Society of Plant Biologists

Plants have long been used for a variety of purposes by people of all cultures, and ethnobotany is the scientific study of the relationships between plants and human cultures. Join ethnobotanists Memory Elvin-Lewis and Karen C. Hall as they discuss the use of plants in human culture for food, fibers, health, and medicine and address the complexity of issues arising from the acquisition and commercialization of traditional plants. The development of plant-derived goods, such as medicines and other commercial products, often affects communities of origin and alters the ecology of the source plant's environment. These cultural and ecological tensions will be considered as more traditional medicinal plants become part of the Western pharmacopeia.

Speakers

Memory Elvin-Lewis, Ph.D., DSc., Washington University in St. Louis, St. Louis, MO

Karen C. Hall, Ph.D., Clemson University, Clemson, SC

Introduction of Speaker

Maria Elena Zavala, Ph.D., California State University at Northridge, Northridge, CA

Continued on next page

Thursday, November 10, 2011

Session 5

Location: Room 263

Learning the Grammar for Selective Acylation of Polyamines for Biomedical Application

Polyamines are important in various biological processes, and acylated derivatives have considerable potential as agents for biomedical intervention. The Gutiérrez lab is interested in developing synthetic methodologies for the deliberate selective acylation of specific amine functionalities in molecules where several are present. The lab has synthesized 1,3,5,7-tetrakis(aminomethyl)adamantane, a tetrahedrally symmetric tetraamine, and is developing it as a structural core for several classes of compounds for biomedical application. Key here is the ability to address the four equivalent bridgehead aminomethyl groups selectively to make functional derivatives bearing substituents A through C in patterns, including AAAA (where the tetrahedral symmetry T_d of the parent core is maintained), AAAB (with C_{3v} symmetry), AABB (C_{2v} symmetry), and AABC (S_1 symmetry).

Speaker

Carlos Gutiérrez, Ph.D., California State University at Los Angeles, CA

Introduction of Speaker

Marco Lopez, Ph.D., California State University, Long Beach, CA

Session 6

Location: Room 131

Evaluating the Harms of Repeat Cancer Screening for Use in Health Policy Decision Making

The breast cancer screening guidelines released by the U.S. Preventive Services Task Force (USPSTF) in 2009 have provoked ongoing controversy and raised questions about methods for evaluating and for communicating about cancer screening. This session presents research into statistical estimators for the harms of repeat screening regimens. In addition, the USPSTF breast cancer screening guidelines will be used to compare alternative estimators for the harms and benefits of screening. The discrepancy among these measures highlights the important role of statisticians in identifying the most appropriate ways to quantify cancer screening.

Speaker

Rebecca Hubbard, Ph.D., Group Health Research Institute and University of Washington, Seattle, WA

Introduction of Speaker

David Yanez, Ph.D., University of Washington, Seattle, WA

Session 7

Location: Room 130

Understanding the Transmission Dynamics of Drug-Resistant Tuberculosis: A Multidisciplinary Approach

Drug resistance has compromised both the outcomes of tuberculosis (TB) treatment and control programs globally. Drug resistance initially emerges when individuals fail therapy for drug-sensitive TB and then spread the infection through their communities. Murray and coworkers studied the emergence and transmission of drug-resistant TB using a multidisciplinary approach that integrates epidemiology, mathematical modeling, genomics, and molecular biology. This approach allowed them to study the (i) emergence of resistance in an individual infection and (ii) host, microbial, and community factors that allow its transmission. Their approach demonstrates the use of new tools, such as whole-genome sequencing, to address pathogen emergence and evolution.

Speaker

Megan Murray, M.D., M.P.H., Sc.D., Brigham and Women's Hospital, Harvard School of Public Health, and Harvard Medical School, Boston, MA

Introduction of Speaker

Felisa Nobles, B.S., Harvard School of Public Health, Boston, MA

Session 8

Location: Room 132

Interagency Collaboration and Coordination in Social Policy Research: An Evidence-Based Strategy for Sustainable Employment

How is psychological research grounded in science? How can there be sound research design in providing an evidence-based approach to investigations and explorations of personality traits, career interests, and occupational outcomes? Studies have shown that having any of certain characteristics (such as limited English proficiency, poor mental or physical health, issues with substance abuse, or a limited educational or employment background) make finding and maintaining sustainable employment difficult. Professionals interested in helping the "difficult-to-employ" find careers (not just jobs that make temporary differences) must be creative and effective in reaching and empowering this population, and must use skills and strategies not typically found in state or local employment agencies. This session will describe how social science research is used to serve the difficult-to-employ population and create comprehensive approaches that integrate assessment, evaluation, and analyses to improve job placement and career planning.

Speaker

Pamela Scott-Johnson, Ph.D., Morgan State University, Baltimore, MD

Introduction of Speaker

Louise Hainline, Ph.D., Brooklyn College, CUNY, Brooklyn, NY

Thursday, November 10, 2011

11:00 a.m. – 12:15 p.m. CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

(Seven session options)

Session 1

Location: Room 230

Picking the Perfect Ph.D. Program for You

(Recommended for undergraduate students interested in the Ph.D. track)

Because pursuing a doctorate requires a major investment of time and energy — at least four years working as hard as you have ever worked and deferring earnings — picking the Ph.D. program that will provide you with the best chance of success is crucial. Clearly you want to select a program with research strengths that match your interests. This workshop provides you with strategies for answering important questions, such as: Is the program structure compatible with my strengths and goals? How successful is the program at producing Ph.D.s? What careers are Ph.D.s from the program pursuing? Will the program provide me with the professional skills I need to succeed, and will I have the support I need to complete the program?

Speakers

Sharon L. Milgram, Ph.D., NIH Office of Intramural Training & Education; National Heart, Lung, and Blood Institute; and National Human Genome Research Institute, Bethesda, MD

Additional Speakers to Be Determined

Session 2

Location: Rooms 261 & 262

M.D.-Ph.D. — Is It Right for Me?

(Recommended for undergraduate students interested in the M.D.-Ph.D. track)

The session provides potential M.D.-Ph.D. applicants with information necessary to (i) decide if this is the correct pathway for them, (ii) prepare and plan for the M.D.-Ph.D. admissions process, and (iii) create and submit a competitive application packet. Topics include guidelines for preparing an application, school selection, criteria evaluated by M.D.-Ph.D. programs, necessary research experience, national program data, the interview process, matriculation, the M.D.-Ph.D. curriculum, and post-training pathways. The session ends with a Q&A period, and several M.D.-Ph.D. directors and administrators will be present to speak with students individually.

Speakers

Juanita Merchant, M.D./Ph.D., University of Michigan, Ann Arbor, MI

Joseph Barbieri, Ph.D., Medical College of Wisconsin, Milwaukee, WI

Sonja Cox, B.A., University of Nebraska Medical Center, Omaha, NE

Jana Toutolmin, University of California, San Francisco, CA

Rashid Rumeih, M.D./Ph.D. Candidate, Weill Cornell/Rockefeller/Sloan Kettering, New York, NY

Session 3

Location: Room 275

Graduate Opportunities in Public and Global Health Research

This session will draw on the natural sciences and mathematics, as well as economics and social and cultural sciences, to address public and global health research as a model for interdisciplinary education and training. Participants will learn about graduate opportunities in public health and global health research, including steps for pursuing advanced degrees and succeeding in the field.

Speakers

Jason Rao, Ph.D., American Society for Microbiology, Washington, DC

Jeffery Dubinski-Neessen, Ed.M., Boston University, Boston, MA

John McElligott, Association of Schools of Public Health, Washington, DC

Session 4

Location: Room 260

Summer Research Programs — Essential Components of the Graduate School Application Process

(Mandatory for freshman students; recommended for undergraduates and community college students)

Summer programs are essential for enhancing your graduate school admissions file. This session discusses (i) how to navigate the ABRCMS exhibit hall and identify the best summer program for you, (ii) the importance of summer internships, (iii) selecting and applying to these programs, (iv) establishing a good relationship with your faculty mentor, and (v) having a successful summer research experience. Don't miss this opportunity to take home tips for getting accepted into the best summer programs!

Speakers

Mekbib Gameda, M.S., New York University School of Medicine, New York, NY

Agustin Chicas, Ph.D., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY

Continued on next page

Thursday, November 10, 2011

Session 5

Location: Room 263

Fostering Achievement, Retention and Equity for All Students: Key Recent Examples

(Recommended for postdoctoral scientists, program directors, faculty, and administrators)

Using important recent examples, this session will highlight ways to increase student achievement while simultaneously increasing fairness and equity. The examples illustrate new ways to address misconceptions, stereotype threat, and learning anxiety effectively. Some writing and interaction will be included to facilitate applications to your own teaching.

Speaker

Craig Nelson, Ph.D., *Indiana University, Bloomington, IN*

Session 6

Location: Room 276

Grant Writing 101 for Graduate Students and Postdocs

(Recommended for graduate students and postdoctoral scientists)

This session provides an overview of best practices for preparing, writing, and submitting NIH, NSF, and foundation grant proposals. Speakers will cover information such as tips for organizing proposals and avoiding pitfalls; the lifecycle of NIH, NSF, and foundation proposals; and factors influencing funding decisions.

Speakers

John Augusto, Ph.D., *University of Kansas, Lawrence, KS*

Roberta Pokphanh, Ph.D., *University of Kansas, Lawrence, KS*

Session 7

Location: Ferrera Theater

FACULTY SESSION

NIH Grants Management Workshop

(Recommended for program directors and faculty)

This session covers (i) NIGMS MORE updates, including current budget information; (ii) clarification of requirements for the use of human subjects; (iii) use of the “Streamlined Noncompeting Award Process” for applications; and (iv) areas of interest in the MBRS and MARC programs.

Speakers

Lori Burge, B.S., *NIGMS, Grants Management Office, Bethesda, MD*

Michael Mace, M.A., *NIGMS, Grants Management Office, Bethesda, MD*

Justin Rosenzweig, M.P.A., *NIGMS, Grants Management Office, Bethesda, MD*

Susan South, M.P.A., *NIGMS, Grants Management Office, Bethesda, MD*

Jeni Smits, B.A., *NIGMS, Grants Management Office, Bethesda, MD*

12:30 p.m. – 1:15 p.m. **Networking Lunch**

Location: Hall 3

1:15 p.m. – 2:15 p.m. **PLENARY SCIENTIFIC SESSION**

Location: Hall 3

Dying Young as Late in Life as Possible: Stem Cells, Tissue Renewal, and Regeneration

What good is long life without youthful vigor? When the Greek goddess Eos fell in love with Tithonus, a mere mortal, Zeus granted him the imperfect gift of immortality: Tithonus lived forever but did not stop aging, thus condemning his existence to one of eternal decrepitude. In nature, organisms exist that can be said to remain perennially youthful and consequently die young as late in life as possible. Learn what fundamental lessons such organisms are teaching us about our own biology.

Speaker

Alejandro Sanchez Alvarado, Ph.D., *HHMI and the Stowers Institute for Medical Research, Kansas City, MO*

Introduction of Speaker

Mary Sanchez-Lanier, Ph.D., *Washington State University, Pullman, WA*

2:15 p.m. – 6:30 p.m. **Exhibits Open**

Location: Hall 4

2:30 p.m. – 3:45 p.m. **POSTER SESSION 1 (A)**

Location: Hall 4

3:15 p.m. – 4:15 p.m. **Career Coaching Corner / Meet and Greet Speakers**

Location: Plaza Lobby

4:00 p.m. – 5:15 p.m. **POSTER SESSION 2 (B)**

Location: Plaza Lobby

Thursday, November 10, 2011

5:30 p.m. – 6:30 p.m. **ORAL PRESENTATION SESSIONS 1 – 12**

Oral Session 01: Biochemistry

Location: Room 131

- O01** Acrolein, a Tobacco Smoke Component, Disrupts Structure and Function of Apolipoprotein E, an Anti-Atherogenic Protein
Tuyen N. Tran, California State University, Long Beach, Long Beach, CA
- O02** Changes in the Solubility of Aromatic Amino Acids Support a Desolvation Energy Model for Explaining Solute Effects on Protein Structure
Melinda D. Mendolla, San Jose State University, San Jose, CA
- O03** Characterization of the Lipid-Binding Sites of HSPA1A, a Member of the 70-kDa Heat Shock Protein Family
Gabrielle Donnelly, California State University, Fullerton, Fullerton, CA
- O04** Investigating the Folding and Function of a Fast-Cleaving Artificial Hammerhead Ribozyme
Gregory M. Solis, San Diego State University, San Diego, CA

Session Moderator: *Charles Bevins, M.D./Ph.D., University of California, Davis, CA*

Oral Session 02: Cancer Biology

Location: Room 263

- O05** The Behavior of Cancer Cells Encapsulated within Alginate Scaffolds of Varying Elasticity
Beth Ann Lopez, University of New Mexico, Albuquerque, NM
- O06** Role of Cofilin Protein in Prostate Tumor Progression
Roxana Loperena, University of Puerto Rico at San Juan, San Juan, PR
- O07** Poly(ADP-Ribose) Polymerase 1 Modulates the Lethality of CHK1 Inhibitors in Carcinoma Cells
Nisan M. Hubbard, Virginia Commonwealth University, Richmond, VA
- O08** Tocotrienols Induce Autophagy in MDA-MB 231 Breast Cancer Cells by Modulating the mTOR Pathway
Habib Kedir, University of the District of Columbia, Washington, DC

Session Moderator: *Cynthia van Golen, Ph.D., Delaware State University, Dover, DE*

Oral Session 03: Cell Biology

Location: Room 275

- O09** Bone Marrow-Derived Cells Do Not Engraft to Skeletal Muscle Microvasculature but Promote Angiogenesis Following Acute Injury
Aislinn Hays, University of Washington, Seattle, WA
- O10** Uncovering the Molecular Mechanism of Statin-Induced Autophagy in the Heart
Genaro Hernandez, San Diego State University, San Diego, CA
- O11** Validation of Salicylic Acid Binding Proteins Using a Photoreactive Analogue
Cristina Zambrana-Echevarria, University of Puerto Rico at Mayaguez, Mayaguez, PR
- O12** Role of Melanocortin 4 Receptor (Mc4R) in Obesity
Naderge Nwana, University of Maryland Eastern Shore, Princess Anne, MD

Session Moderator: *Juanita Merchant, Ph.D., University of Michigan, Ann Arbor, MI*

Oral Session 04: Chemistry

Location: Room 260

- O13** Analysis of Drug-Protein Binding Phenomena Using Nuclear Magnetic Resonance
Ekundayo M. Platt, Savannah State University, Savannah, GA
- O14** Development of Non-peptidic Vinyl Sulfones Protease Inhibitors for the Treatment of Malaria
Daniel A. Lumpuy, Florida International University, Miami, FL
- O15** Synthesis of Glucose and Galactose-Based Glycomimetics to Elucidate C-Type Lectin Function
Inanlley Gonzalez, The City College of New York, New York, NY
- O16** Application of Capillary Electrophoresis for Protein Separation
Harmin Herrera, Fayetteville State University, Fayetteville, NC

Session Moderator: *Alvin Holder, Ph.D., The University of Southern Mississippi, Hattiesburg, MS*

Continued on next page

Thursday, November 10, 2011

Oral Session 05: Developmental Biology and Genetics

Location: Room 130

- O17** The Role of SATB2 in Zebrafish Craniofacial Development
Jenna Rozacky, St. Edward's University, Austin, TX
- O18** Are Populations of Cosmopolitan Weeds All the Same? A Case Study of Chicory
Rondy M. Raymond, University of Massachusetts Boston, Boston, MA
- O19** Edn3 Over-Expression Compensates for the Reduced Levels of Skin and Coat Color Pigmentation in Agouti Yellow Mice
Javier Pino, Florida International University, Miami, FL
- O20** Analysis of Myoepithelial Lineage Differentiation in Normal Human Breast Tissue
Gerneiva Parkinson, Howard University, Washington, DC

Session Moderator: DiAnna L. Hynds, Ph.D., Texas Woman's University, Denton, TX

Oral Session 06: Engineering, Physics and Mathematics

Location: Room 132

- O21** Development of Novel Polymer Insole for Knee Damage Prevention
Esteban Ruiz, University of California, Los Angeles, Los Angeles, CA
- O22** Enhancing Pancreatic Beta Islet Engraftment in Type 1 Diabetes Mellitus via Hypoxia-Mediated HIF1-Alpha Pathway Regulation
Merron Taddesse, Rutgers University, New Jersey, NJ
- O23** The Effect of sTnC Variants on Contraction in Rabbit Psoas Muscle Fibers
Joshua K. Matlock, University of Washington, Seattle, WA
- O24** Investigating Termite Behavior and Digestion of Cellulose-Based Thermo-responsive Nanofibers to Determine Cellulase Activity
Tariq Taylor, Morehouse College, Atlanta, GA

Session Moderator: Mauricio Cabrera-Rios, Ph.D., University of Puerto Rico at Mayaguez, Mayaguez, PR

Oral Session 07: Immunology

Location: Room 120

- O25** Temozolomide Delays Tumor Growth by Diminishing Regulatory Macrophages in an Innovative, Inducible, Genetic Mouse Model of Melanoma
Carlos D. Peinado, University of California, San Diego, San Diego, CA
- O26** Using the U1 snRNP as a Screening Method for Distinguishing between Systemic Lupus Erythematosus (SLE) and Mixed Connective Tissue Disease (MCTD)
Emanuel Martinez, Florida International University, Miami, FL
- O27** Posttranscriptional Regulation of Telomerase Reverse Transcriptase in Human T Cells
Courtney Streater, University of Maryland Eastern Shore, Princess Anne, MD
- O28** Mitogen-Activated Protein Kinase Phosphatase 5 Protects Against LPS-Induced Inflammation
Rosa E. Garcia, Chicago State University, Chicago, IL

Session Moderator: Jayne Reuben, Ph.D., University of South Carolina, Greenville, SC

Oral Session 08: Microbiology

Location: Rooms 261 and 262

- O29** RNA Isolation in *S. haematobium*-Induced Mouse Bladder Granulomas by Laser Capture Microdissection
Oscar D. Ayala, The University of Texas at Austin, Austin, TX
- O30** Attenuating Mutations in nsP1 Alter Ross River Virus Interactions with Type 1 Interferon
Marissa M. Minor, Chaminade University, Honolulu, HI
- O31** Assessment of *rtcAB* Induction in *Salmonella enterica* subsp. *enterica* Serovar Typhimurium 14028s
David Thoms, Georgia Gwinnett College, Lawrenceville, GA
- O32** *Yersinia pestis* May Not Be as Successful at Intracellular Growth as Previously Thought
Blanche Letang, University of the Virgin Islands, Saint Thomas, VI

Session Moderator: Patricia Baynham, Ph.D., St. Edward's University, Austin, TX

Thursday, November 10, 2011

Oral Session 09: Molecular and Computational Biology

Location: Room 127

- O33** Combinatorics of cis-Regulatory Elements in Stress Response Modules of Ascomycetes
Aurian P. Garcia-Gonzalez, University of Puerto Rico at San Juan, PR
- O34** Metagenomic Analysis of the Upper Respiratory Tract of Atlantic Bottlenose Dolphins with High and Low PCB Levels
Akima S. George, University of the Virgin Islands, Saint Thomas, VI
- O35** Monobodies Evolved by mRNA Display as Novel, *In Vitro* Alternatives to Antibodies
Jonathan Diep, University of California Los Angeles, Los Angeles, CA
- O36** Automation of Cardiocyte Functional Data Analysis
Esteban Vazquez-Hidalgo, San Diego State University, San Diego, CA

Session Moderator: Marlene de la Cruz, Ph.D., University of California, Irvine, CA

Oral Session 10: Neuroscience

Location: Room 274

- O37** Presenilin-1 Forms a Neurogenic Complex with β -Catenin and E-Cadherin in Adult Neural Progenitor Cells
Reinaldo Franqui, University of Puerto Rico at Humacao, Humacao, PR
- O38** Contribution of B2 Subunit Containing Nicotinic Acetylcholine Receptors to Anxiety-Like Behaviors in Male Mice Using a Novel Model of Anxiety
Angelica De Jesus, Virginia Commonwealth University, Richmond, VA
- O39** Moving Through “Fictive Space”: Spatially Fixed Wheel Locomotion Promotes Hippocampal Expression of the Immediate Early Gene Arc that Is Comparable to Freely Moving Behavior
Isaiab S. Morales, The University of Texas at San Antonio, San Antonio, TX
- O40** Language Mapping of Left Hemisphere Surgical Resection Patients
Ryan C. Cardinale, San Diego State University, San Diego, CA

Session Moderator: Peter O’Day, Ph.D., University of Oregon, Eugene, OR

Oral Session 11: Physiology

Location: Room 123

- O41** The Characterization of Estrogen-Regulated Genes (*Isyna1, Id1, Vldlr^b*) in the Goat Post-Pubertal Testis
Casey A. Graves, Tuskegee University, Tuskegee, AL
- O42** Androgens Increase Agonistic Behaviors in Females of the Electric Fish *Brachyhyppopomus gauderio*
Pedro E. Perez, Florida International University, Miami, FL
- O43** Role of Oxidative Stress in cART-Mediated Neurotoxicity
Melissa Alvarado-Velez, University of Puerto Rico at Mayaguez, Mayaguez, PR
- O44** The Effects of Anticancer Drugs on Prostate Cancer Cell Lipid Requirements
Elisia Clark, University of Maryland Baltimore County, Baltimore, MD

Session Moderator: Martin Muntzel, Ph.D., Lehman College, CUNY, Bronx, NY

Oral Session 12: Social and Behavioral Sciences and Public Health

Location: Room 276

- O45** Suicidal Behaviors and Substance Use Associations in a Sample of Adolescents of Caribbean State Island, Saint Lucia: A Secondary Analysis Using a WHO 2007 Global School-Based Student Health Survey
Darleen S. Gonzalez-Cortes, Universidad del Este, School of Health Sciences, Carolina, PR
- O46** Suboxone in Patients with and without Co-morbid Psychiatric Illness
Ashley K. Thomas, Howard University College of Medicine, Washington, DC
- O47** How Infants Study Faces and Perceive Race
Grace Woods, Prairie View A&M University, Prairie View, TX
- O48** Genetic Variation in CARD15 and Allergy
Anna Katenta, University of Maryland Eastern Shore, Princess Anne, MD

Session Moderator: Louise Hainline, Ph.D., Brooklyn College, CUNY, Brooklyn, NY

6:45 p.m. – 7:30 p.m. **DINNER**

Location: Hall 3

Continued on next page

Thursday, November 10, 2011

7:45 p.m. – 9:30 p.m. **Plenary Professional Development Sessions for Faculty, Students, and Postdoctoral Scientists**

Session 1

Location: Rooms 220-229

Gateway to the Future — Career Paths in the Biomedical Sciences, STEM Disciplines, and Behavioral Sciences

(Mandatory for undergraduates and postbaccalaureates)

There are many paths to your career goals. This session explores the wide variety of academic and nonacademic careers available in the biomedical sciences, physical sciences, engineering, and behavioral sciences, as well as the many types of training that can help you reach your goals. Veteran scientists will talk about their career pathways, educational backgrounds, what they enjoy about their work, and life balance. You will leave the session with a clearer understanding of why graduate training (including postbaccalaureate, graduate, and doctoral programs) is the gateway to your future opportunities.

Moderators

Joel Oppenheim, Ph.D., New York University, New York, NY

Nancy Schwartz, Ph.D., University of Chicago, Chicago, IL

Speakers

Richard King, MD/Ph.D., University of Utah, Salt Lake City, UT

Kafui Dziraza, M.D./Ph.D., Duke University, Durham, NC

Alejandro Contreras, Ph.D., Baylor College of Medicine, Houston, TX

Jason Rao, Ph.D., American Society for Microbiology, Washington, DC

Andrea Stith, Ph.D., Consultant, Washington, DC

Deborah Philp, Ph.D., National Institute of Dental and Craniofacial Research, NIH, Bethesda, MD

Bin Li, Ph.D., Monsanto Corporation, Chesterfield, MO

Nalini Polavarapu, Ph.D., Monsanto Corporation, Chesterfield, MO

Additional speakers will be available to meet with students to talk about their career pathways during the dessert reception.

Session 2

Location: Rooms 240-242

Job Search Skill Blitzes for Graduate Students and Postdoctoral Scientists

(Recommended for graduate students and postdoctoral scientists)

This session is designed to help graduate students and postdocs gain a broad appreciation for career exploration and the job search process. The event will be a fast-paced, fun-filled way to gather information, learn new skills, and meet new colleagues. The session begins with a brief overview of the job search process, followed by three “skill blitz” sessions limited to 25 minutes each, with a 5-minute break between sessions. Presenters will give highlights of the blitz topic, offer additional resources, and entertain questions from the audience. Attend up to three sessions; then meet as a group for a wrap-up and networking session. Blitz topics include finding your path, LinkedIn and other online resources, informational interviews and networking, cover letters, CVs and resumes, interviewing basics, transferrable skills, and job searches.

Moderator

Sharon Milgram, Ph.D., NIH Office of Intramural Training & Education; National Heart, Lung, and Blood Institute; and National Human Genome Research Institute, Bethesda, MD

Additional Speakers to Be Determined

Session 3

Location: Room 230

Bio2010 Meets Vision and Change in Undergraduate Biology Education: The HHMI SEA National Genomics Research Initiative

(Recommended for faculty, program directors, and exhibitors)

This session advances recommendations from the 2011 AAAS report *Vision and Change in Undergraduate Biology Education* and highlights the HHMI-sponsored Science Education Alliance (SEA) National Genomic Research Initiative, which has trained more than 1,600 students at 39 undergraduate institutions in its first three years. Participating students conduct authentic research integrated into an introductory lab course built on themes and techniques from across biology. Activities include isolating and characterizing bacterial viruses from the environment, preparing viral DNA for sequencing, and annotating and comparing sequenced genomes. Hear testimonies from students and faculty about lessons learned and recommendations for faculty and administrators seeking support for student research embedded into the curriculum. Time is planned for academic administrators to discuss implementation strategies at their respective institutions.

Speaker

Lucia Barker, Ph.D., Howard Hughes Medical Institute, Chevy Chase, MD

Melinda A. Harrison, Ph.D., Cabrini College, Radnor, PA

Kathleen Weston Hafer, Ph.D., Washington University in St. Louis, St. Louis, MO

Vassie Ware, Ph.D., Lehigh University, Bethlehem, PA

Chris R. Gissendanner, Ph.D., University of Louisiana at Monroe, Monroe, LA

Yanela Cruz (behavioral neuroscience major; junior), Lehigh University, Bethlehem, PA

Juri Thompson (biology major; junior), University of Louisiana at Monroe, Monroe, LA

Eric Gustafson (sophomore), Washington University in St. Louis, St. Louis, MO

Kevin Bradley, Howard Hughes Medical Institute, Chevy Chase, MD

9:30 p.m. – 10:15 p.m. **Dessert and Networking**

Location: Ballroom Lobby

This session is your opportunity to network with speakers and attendees and continue discussions from the preceding sessions.

Friday, November 11, 2011

7:30 a.m. – 5:00 p.m.	Registration Open	Location: Plaza Lobby
7:30 a.m. – 8:15 a.m.	Networking Breakfast	Location: Hall 3
8:30 a.m. – 9:30 a.m.	Professional Development Sessions	
	Session 1	Location: Rooms 220-229
	Changes in the GRE and MCAT (Mandatory for undergraduates, postbaccalaureates, and master's-level students) In this session, representatives from the Educational Testing Services and the Association of American Medical Colleges will discuss recent changes in the format for the GRE and MCAT. Attend this session as well as the one on Friday to increase your probability of scoring well on the tests! <i>Speakers</i> Barry Hong, Ph.D. , Washington University in St. Louis, St. Louis, MO Karen Mitchell, Ph.D. , American Association of Medical Colleges, Washington, DC Gayle Slaughter, Ph.D. , Baylor College of Medicine, Houston, TX	
	Session 2	Location: Room 130
	Getting Published: Advice for Graduate Students and Postdoctoral Scientists (Mandatory for doctoral level graduate students) Publishing your work is the key to expanding your success and influence. This session will help you choose a journal, prepare and submit your manuscript, and suggest ways to (i) deal with requests for revision and (ii) cope with occasional rejection. It will also explain the ethics of scholarly publishing, including authorship, multiple submissions, and redundant publication. The session ends with a Q&A period. <i>Speaker</i> Alison O'Brien, Ph.D. , Uniformed Services University of the Health Sciences, Bethesda, MD	
	Session 3	Location: Room 131
	Peer-Led Team Learning: A Faculty-Student Partnership for Educational Reform in the Sciences (Recommended for postdoctoral scientists, faculty, program directors, and exhibitors) This workshop will introduce the theoretical and practical elements of the peer-led team learning (PLTL) model, which actively engages students in the learning process by having them solve carefully structured problems in small groups under the direction of a trained peer leader. Peer-led workshops are an effective way to engage large numbers of students with course material and each other. Improved performance and retention, development of communication and team skills, higher motivation and course satisfaction, and increased interest in pursuing further study in science are among the benefits of the PLTL approach. <i>Speaker</i> Pratibha Varma-Nelson, Ph.D. , Indiana University-Purdue University, Indianapolis, IN	
9:45 a.m. – 10:45 a.m.	PLENARY SCIENTIFIC SESSION	Location: Rooms 220-229
	Is Our Reality in 'The Matrix'? Following a review of what science has discovered about the largest and most fundamental structures in the universe, this presentation will discuss some surprising recently uncovered hints that our universe may not be what it seems. <i>Speaker</i> Sylvester James Gates, Jr., Ph.D. , University of Maryland, College Park, MD <i>Introduction of Speaker</i> Jerraine M. Johnson-Heywood, Ph.D. , Adecco at General Electric Transportation, Erie, PA	
10:45 a.m. – 12:15 p.m.	Exhibits Open	Location: Hall 4
11:00 a.m. – 12:15 p.m.	POSTER SESSION 3 (C)	Location: Hall 4
12:30 p.m. – 1:15 p.m.	Networking Lunch	Location: Hall 3
1:15 p.m. – 2:15 p.m.	PLENARY SCIENTIFIC SESSION	Location: Hall 3
	Using Simple Cells to Model Complex Diseases It is now clear that many human neurodegenerative diseases result from basic problems in protein folding and homeostasis. One feature that these disorders share is the occurrence of complexes of misfolded, aggregated proteins in affected neurons. The Lindquist lab has developed yeast models overexpressing human disease-associated proteins, with each model exhibiting cellular toxicity by a different mechanism. The lab's model overexpressing human a-syn recapitulates the individual cellular pathology and toxicity seen in Parkinson's disease and other synucleinopathies. The lab used this model to screen the entire yeast genome and found dozens of genes that enhance or suppress toxicity due to a-syn. The lab also used a chemical screen to identify compounds that rescue yeast cells from	

Continued on next page

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a-syn toxicity. Importantly, both the genes and compounds isolated from these screens rescued dopaminergic neurons in nematode, fruit fly, and rat primary midbrain culture models of a-syn toxicity, and the small molecules rescued cultured rat dopaminergic neurons from toxicity induced by rotenone, validating the yeast-screening approach.

Speaker

Susan Lindquist, Ph.D., Whitehead Institute for Biomedical Research, HHMI, and Massachusetts Institute of Technology, Cambridge MA

Introduction of Speaker

Mandand Sassanfar, Ph.D., Massachusetts Institute of Technology, Cambridge, MA

2:30 p.m. – 3:30 p.m.

PROFESSIONAL DEVELOPMENT SESSIONS

Session 1

Location: Ferrara Theater

Mentoring: an Enabling Relationship that Fosters Professional Growth and Development

(Mandatory for undergraduate, community college, and master's-level students)

This session introduces mentoring as a strategy for enhancing academic, career, personal, and professional development. It explores success stories in mentoring undergraduate and graduate students and describes mentorship models. It is structured to provide participants with (i) the philosophy and terminology of mentoring, (ii) the rationale for mentoring, (iii) mentoring roles and responsibilities, (iv) tips for forming an effective mentoring alliance, and (v) ways to use mentoring as a strategy for developing people. The session highlights the graduate advisor's roles and the warning signs of unethical relationships. Case studies and participant experiences will be used as tools to delve into the intersection of mentoring.

Speaker

Howard G. Adams, Ph.D., H.G. Adams and Associates, Norfolk, VA

Session 2

Location: Room 132

Achieving Your Goals: Goal-Setting Strategies for Scientific and Career Success

(Recommended for doctoral level graduate students and postdoctoral scientists)

Do you ever promise yourself that you'll finish that paper, or improve your presentation skills, and then don't quite get around to it? Do you have trouble setting goals...and sticking to them? Survey data has shown that trainees in the biomedical sciences who create and follow a written plan are more likely to reach their research and career goals. This hands-on workshop will help you create your annual individual development plan (IDP) for completing projects and developing the professional skills that you'll need for success. Through this process, you will learn principles for how to set achievable goals and strategies for ensuring that you'll follow through to success.

Speaker

Bill Lindstaedt, M.S., University of California, San Francisco, San Francisco, CA

Session 3

Location: Room 123

MARC T34 / NIGMS T32 Program Director Meet and Greet

(Recommended for MARC U-STAR students, MARC U-STAR program directors, and NIGMS T32 program directors)

NIGMS MORE staff invite MARC T34 and NIGMS predoctoral T32 program directors to attend an ABRCMS meet-and-greet session designed to promote stronger interactions between MARC undergraduate research training programs and NIGMS predoctoral T32 research training programs.

Speakers

Shawn Drew, Ph.D., NIGMS, NIH, Bethesda, MD

Adolphus Toliver, Ph.D., NIGMS, NIH, Bethesda, MD

Session 4

Location: Room 120

GCAT, Synthetic Biology, and Summer Faculty Workshop Opportunity

(Recommended for postdoctoral scientists, faculty, program directors, and exhibitors)

The Genome Consortium for Active Teaching (GCAT) is an organization of faculty dedicated to improving the resources available for teaching genomics to undergraduates. Synthetic biology is a dynamic, young field that incorporates engineering principles and mathematical modeling with molecular biology techniques to produce novel genetic devices with applications in energy, the environment, medicine, and computation. Synthetic biology pulls together the perspectives of many disciplines to shed new understanding on biological processes. This field is full of opportunities for undergraduate research. This session will share application information for a three-day, NSF-funded GCAT Synthetic Biology Workshop for interdisciplinary faculty pairs (one biologist and one non-biologist) in June 2012.

Speakers

Jeff Poet, Ph.D., Missouri Western State University, Saint Joseph, MO

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3:30 p.m. – 6:30 p.m.	Exhibits Open	Location: Hall 4
3:45 p.m. – 5:00 p.m.	POSTER SESSION 4 (D)	Location: Hall 4
4:30 p.m. – 5:30 p.m.	Career Coaching Corner Open / Meet and Greet Speakers	Location: Plaza Lobby
5:15 p.m. – 6:30 p.m.	POSTER SESSION 5 (E)	Location: Hall 4
6:45 p.m. – 7:45 p.m.	Small Group Discussion Sessions <i>(four session options)</i> These sessions are wonderful opportunities for students to meet in a smaller group setting to discuss issues and seek one-on-one advice.	
	Session 1 Strategies for Taking Standardized Admissions Tests: Preparing for the GRE and MCAT This session focuses on test-taking strategies and provides valuable information about resources for preparing for standardized admissions tests, particularly the GRE and MCAT. It is important to note that this session is not intended to take the place of formal comprehensive workshops, such as courses offered by your institution and/or independent test preparation agencies. <i>Speaker</i> Gayle Slaughter, Ph.D. , Baylor School of Medicine, Houston, TX	Location: Room 132
	Session 2 Graduate School Application Process <i>(Recommended for undergraduate and master's-level students)</i> This three-part session provides students with the information necessary to (i) prepare and plan for the graduate school admissions process and (ii) subsequently create and submit a competitive application packet. Part one briefly covers the undergraduate years — coursework, internships, and standardized tests. The process of selecting schools for application and subsequent matriculation will be discussed, as well as the application process, with a focus on the admissions file. There will be a discussion of the application form and supporting documentation, with a special focus on the personal statement. Also covered are the interview process and how to succeed in graduate school. The personal statement introduces the applicant to the school and its admissions committee; therefore, part two provides tips and strategies on writing a powerful personal statement for applications for graduate school and/or summer internships. In part three, strategies for financing graduate education will be discussed. <i>Speaker</i> Jeffery Dubinski-Neessen , Boston University, Boston, MA Guy Berst, M.S. , Medical College of Wisconsin, Milwaukee, WI	Location: Room 131
	Session 3 The Ins and Outs of Time between College and Graduate School — the Postbaccalaureate Experience <i>(Recommended for postbaccalaureates and for undergraduates considering postbaccalaureate training)</i> Many students decide to pursue postbaccalaureate training before moving on to graduate studies. This session addresses (i) courses and training to focus on during a postbaccalaureate experience and (ii) tips on how to present a strong graduate school application. <i>Speaker</i> Richard McGee, Jr., Ph.D. , Northwestern University, Evanston, IL	Location: Room 123
	Session 4 Interviewing for Graduate School Admissions: Dos and Don'ts <i>(Recommended for undergraduates, postbaccalaureates, and master's-level students)</i> This informal session discusses tips and strategies for a successful graduate school interview. It reveals some interview pitfalls, how to overcome them, and how to make the most of campus visits in terms of selecting a school for matriculation. <i>Speaker</i> C. Gita Bosch, Ph.D. , Educational Consultant, New York, NY	Location: Room 120
6:45 p.m. – 8:30 p.m.	RECEPTION FOR SPONSORS, EXHIBITORS, SPEAKERS, PROGRAM DIRECTORS, AND JUDGES	Location: Renaissance Grand Hotel (Crystal Ballroom)
This event is NOT open to undergraduates, postbaccalaureates, graduate students, or postdoctoral scientists.		
8:45 p.m. – 10:00 p.m.	MARC/MBRS/RISE/SCORE Program Director Meeting	Location: Renaissance Grand Hotel (Landmark 1 & 2)
9:15 p.m. – 10:00 p.m.	BRIDGES Program Director Meeting	Location: Renaissance Grand Hotel (Landmark 3)

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7:30 a.m. – 12:00 p.m.	Registration Open	Location: Plaza Lobby
7:30 a.m. – 8:15 a.m.	Networking Breakfast/Open Feedback Forum	Location: Hall 3
8:30 a.m. – 9:15 a.m.	Exhibitor Feedback Session	Location: Rooms 121 & 122
8:30 a.m. – 9:30 a.m.	ORAL PRESENTATION SESSIONS 13 – 24	

Oral Session 13: Biochemistry

Location: Room 131

- O49** The Function of Ethylene in *Synechocytis* sp. 6803
Jalissa L. Wynder, Southern University, Baton Rouge, LA
- O50** Inhibition of Procarcinogen-Bioactivating Human CYP1 Enzymes by Carbolines and Proanthocyanidin
Jessica Carswell, Benedict College, Columbia, SC
- O51** Role of Sphingosine Kinase 1 in CD40 Downstream Signaling
Evelyn C. Valencia, Virginia Commonwealth University, Richmond, VA
- O52** Synthesis of Functionalized Silica Nanoparticles that Aid in Coagulation
Lauren E. Que, Mount St. Mary's College, Los Angeles, CA

Session Moderator: Joseph Orban, Ph.D., Southern University at Shreveport, Shreveport, LA

Oral Session 14: Cancer Biology

Location: Rooms 263

- O53** Characterization of the Onset of Melanoma Tumor Resistance to Braf Inhibitor
Jennifer V. Kamara, Worcester Polytechnic Institute, Worcester, MA
- O54** Assessing Gene Expression in Sarcomas in Mouse Skeletal Muscle
Christina Parker, University Maryland, Baltimore County, Baltimore, MD
- O55** Synergistic Interaction of Polo-Like Kinase (PLK-1) Inhibitor with Clinically Relevant HDAC Inhibitor in Diffuse Large B-Cell Lymphoma (DLBCL) Cells
Kierra Cooke, Virginia Commonwealth University, Richmond, VA
- O56** Identification of Tumor-Contributing Factors in the Brown Adipose Tissue of BRCA1-Mutant Mice
Kwadwo Owusu-Boaitey, University of Maryland, Baltimore County, Baltimore, MD

Session Moderator: Hao Nguyen, Ph.D., California State University, Sacramento, CA

Oral Session 15: Cell Biology

Location: Room 275

- O57** Regulation of MicroRNA Expression by Auf1 through Dicer
Jessica M. Johnson, University Maryland Eastern Shore, Princess Anne, MD
- O58** Observing the Effect of *Salmonella enterica* Infection on Cellular Organelle Phenotype
Isola A. Brown, University of Pennsylvania, Philadelphia, PA
- O59** Visualization of Human Pancreatic Beta Cell Proliferation Using Fucci
Mike Valdes, University of Miami, Miami, FL
- O60** The Role of Estrogen in Modulation of Course of Urinary Tract Infection
Emily Ma, Washington University School of Medicine, St. Louis, MO

Session Moderator: Jacob Varkey, Ph.D., Humboldt State University, Arcata, CA

Oral Session 16: Chemistry

Location: Rooms 260

- O61** Progress Toward the Synthesis of Cyano Cyanine Dyes
Deveine Toney, Morgan State University, Baltimore, MD
- O62** A Novel Chemotherapeutic Agent of Copper(II) with a Thiosemicarbazone as Ligand: Structural and *In Vitro* Studies
Justin R. Moreira, The University of Southern Mississippi, Hattiesburg, MS
- O63** Antioxidants and Heavy Metals Content of Hot Pepper
Mckenzie Johnson, Kentucky State University, Frankfort, KY

Saturday, November 12, 2011

- O64** Syntheses and Structure Characterization of an Ionic Tributyltin Complex with Oxalic Acid
Andrei Callejas, University of the District of Columbia, Washington, DC

Session Moderator: *Marco Lopez, Ph.D., California State University, Long Beach, CA*

Oral Session 17: Developmental Biology and Genetics Location: Room 130

- O65** Assessment of Genetic Endemism in Burrowing Crustaceans on the U.S. Pacific Coastline
Danielle C. Perryman, San Jose State University, San Jose, CA

- O66** Mitofusin-2 Protects Renal Epithelial Cells Under Stress
Chinaemere Igwebuike, University of the Virgin Islands, St. Thomas, VI

- O67** Imaging Movement of Zebrafish Embryonic Cerebrospinal Fluid
Nicole A. Aponte, University of Puerto Rico, San Juan, San Juan, PR

- O68** Novel Validation of Genomic Structural Variations
King John Pascual, Brown University, Providence, RI

Session Moderator: *DiAnna L. Hynds, Ph.D., Texas Woman's University, Denton, TX*

Oral Session 18: Engineering, Physics and Mathematics Location: Room 132

- O69** The Effect of Poly(lactic-co-Glycolic Acid) Density in Carbon Nanofiber Composites for Myocardial Tissue Engineering Applications
Adriana N. Santiago-Miranda, University of Puerto Rico, Mayaguez, Mayaguez, PR

- O70** Assessing the Adenylate Catastrophe in the Context of the Hypertumor
Joseph Juliano, Arizona State University, Tempe, AZ

- O71** The Effect of Aluminum Volume Fraction in the Three Phase Piezoelectric Composites and the Identification of the Percolation Threshold
Eric M. Refour, The University of Georgia, Athens, GA

- O72** Choanoflagellate Cloning: Isolation, Culture, and Recovery
Ian Marozas, University of Rochester, Rochester, NY

Session Moderator: *Rebecca Hubbard, Ph.D., University of Washington, Seattle, WA*

Oral Session 19: Immunology Location: Room 120

- O73** Naip5 as a Possible Inhibitor of Apoptosis in CD4 and CD8 T Cell Immunity
Kyle M. Jones, University of Puget Sound, Tacoma, WA

- O74** Determining the Genomic Insertion Frequency and Location of Transgenes in *Xenopus* Clones
Sierrah M. Grigsby, University of Rochester, Rochester, NY

- O75** NeST, a Long Non-coding RNA, and Persistence of Theiler's Virus
Jan Clement A. Santiago, Loyola Marymount University, Los Angeles, CA

- O76** The Expression of Sphingosine 1-Phosphate Receptors in Cystic Fibrosis Cells.
Juan L. Rivera-Correa, University of Puerto Rico, Rio Piedras, San Juan, PR

Session Moderator: *Tesfaye Belay, Ph.D., Bluefield State College, Bluefield, WV*

Oral Session 20: Microbiology Location: Rooms 261 & 262

- O77** Experimental Evolution of Bacteriophage PP01 on *Escherichia coli* O157:H7
Chidiebere D. Akusobi, Yale University, New Haven, NY

- O78** Role of MifSR Two-Component System in Antibiotic Resistance in *Pseudomonas aeruginosa*
Lourdes G. Ramirez, Florida International University, Miami, FL

- O79** HIV-2 Drug Resistance to Nucleoside Reverse Transcriptase Inhibitors
Mondraya Howard, University of St. Thomas, St. Paul, MN

Saturday, November 12, 2011

- O80** The Aquatic *E. coli* Resistance Profile: An Analysis of Their Resistance Against CIP and SXT
Kirollos R. Bechay, University of California-Irvine, Fullerton, CA

Session Moderator: *David Sanchez, Ph.D., Western University of Health Sciences, Pomona, CA*

Oral Session 21: Molecular and Computational Biology Location: Room 127

- O81** A Genome-Wide Assessment of Short Insertion and Deletion Variation in African-Americans
Lilian Antunes, University of Houston-Downtown, Houston, TX
- O82** Characterization of the Binding Modes of *De Novo* Designed Proteins and Optimization of Protein Binding via Directed Evolution
David Angeles Albores, Cornell University, Ithaca, NY
- O83** Analyzing the Conformational Space of Proteins Using Mathematical and Computational Tools
Fatoumata B. Diallo, Roxbury Community College, Boston, MA
- O84** Genetic Architecture of Triglyceride Levels in Children Over the Course of Treatment for Acute Lymphoblastic Leukemia
Roberto Reyes, University of Arizona, Tucson, AZ

Session Moderator: *Teresa Singleton, Ph.D., Winston-Salem State University, Winston-Salem, NC*

Oral Session 22: Neuroscience Location: Room 274

- O85** Development of a Rapid and Reliable Method for the Determination of Electroreception Thresholds in Weakly Electric Fish Using Classical Conditioning
James P. Roach, Florida International University, Miami, FL
- O86** An Improved Assay for Eliciting and Quantifying Thermal Nociceptive Responsiveness in *D. melanogaster* Larvae
A'Tondra V. Gilstrap, University of Houston-Downtown, Houston, TX
- O87** Anorexia Nervosa and Fear Learning: Diet Restriction as a Form of Emotional Regulation
Patricia Mae G. Santos, Brown University, Providence, RI
- O88** What a Shock: Endocannabinoids Modulate Accumbal Encoding of Cue-Motivated Shock Avoidance Behavior
Vivian Chioma, University of Maryland, Baltimore County, Baltimore, MD

Session Moderator: *Alejandro Sanchez Alvarado, Ph.D., University of Utah, Salt Lake City, UT*

Oral Session 23: Physiology Location: Room 123

- O89** Analysis of RNA Expression Levels of HIF1- α in Crypt Cells Following Massive Small Bowel Resection
Harold C. Hamann, Duke University, Durham, NC
- O90** Sirt1-Dependent Mechanisms Regulating Bone Mass
Sebastian U. Perez, University of Puerto Rico, San Juan, PR
- O91** Synergy between Plant Extracts and the Antibiotic Ciprofloxacin in *Staphylococcus aureus*
Oscar A. Rodriguez, University of California, Irvine, Irvine, CA
- O92** Analysis of Nitric Oxide Synthase and Myosin Heavy Chain Isoforms in Skeletal Muscle from Hypertensive and Normotensive Rats
Hiyab G. Yohannes, Virginia Commonwealth University, Alexandria, VA

Session Moderator: *J. Derek Stone, Ph.D., Paine College, Augusta, GA*

Oral Session 24: Social and Behavioral Sciences and Public Health Location: Room 276

- O93** Cardiac Function and Activities of Daily Life in Survivors of a Myocardial Infarction
Janene Cielto, Howard University, Washington, DC
- O94** An Assessment of the Utility of Cardiac Stress Testing in Patients Undergoing Pre-Hematopoietic Stem Cell Transplant Evaluation
Susanna Nguy, The City College of New York, Brooklyn, NY

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O95 Gateways to the Laboratory: Enhancing Diversity of Physician-Scientists
Shauna-Kay Rhooms, The City College of New York, New York, NY

O96 Reaching the Science Enthusiasm Quotient in Urban Middle Schools
Gloria J. Mills, Harris-Stowe State University, Saint Louis, MO

Session Moderator: *Cherrie B. Boyer, Ph.D., University of California, San Francisco, CA*

9:30 a.m. – 12:00 p.m. **Exhibits Open** Location: Hall 4

9:45 a.m. – 11:00 a.m. **POSTER SESSION 6 (F)** Location: Hall 4

11:15 a.m. – 12:30 p.m. **POSTER SESSION 7 (G)** Location: Hall 4

12:30 p.m. – 1:30 p.m. **Networking Lunch** Location: Hall 3

1:30 p.m. – 2:30 p.m. **CLOSING KEYNOTE ADDRESS** Location: Hall 3

Skin in the Game: Biomedical Research, Health Disparities, and the Role of Researchers of Color

Science researchers of color stand on the foundation built by George Washington Carver, Benjamin Carson, Regina Beverly, and so many others. This talk discusses the role that biomedical, behavioral sciences and STEM research can play in improving the quality of life for minorities, the crushing issue of health disparities, and the many reasons why there must be diversity among those conducting research.

Speaker

Julianne Malveaux, Ph.D., Bennett College, Greensboro, NC

Introduction of Speaker

John Fitzgerald Gates, Ph.D., Criticality Management Consulting, New York, NY

2:45 p.m. – 3:45 p.m. **CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS**
UNDERGRADUATE STUDENT SESSION

Session 1 Location: Ferrera Theater

Graduate School Experience: A Personal Story

(Mandatory for undergraduate, postbaccalaureate, and master's-level students)

Graduate students share their graduate school experiences. Discussions include goal setting, selecting a mentor, time management, and balancing academics and social life.

Moderator

Jayne Reuben, Ph.D., University of South Carolina, Greenville, SC

Speakers

Andrew Young, M.D./Ph.D. Candidate, Washington University in St. Louis, St. Louis, MO

Joeli Morrero, Ph.D., Weill Cornell Medical College, New York, NY

Tawanna Childs, University of Massachusetts, Amherst, MA

Tiffani Bright, Ph.D., Consultant

GRADUATE STUDENT AND POSTDOCTORAL SCIENTIST SESSION

Session 2 Location: Room 132

Career Decisions: How to Find a Science Career that Fits YOU

(Recommended for doctoral graduate students and postdoctoral scientists)

Do you want to find a career that you'll enjoy and find rewarding? Of course! But how do you find the right path, especially when there are so many different directions scientists can follow in their careers? For instance, there are more than 50 doctorate-level career options in the biomedical sciences. See a list of these careers, while learning to select the best option for you, by attending this thought-provoking and interactive workshop! You will learn a logical, step-by-step process for exploring your career options and deciding which will provide the best fit for your own set of skills, values and interests. Attendees of this workshop are strongly encouraged to attend the "Achieving Your Goals" workshop on Friday, November 11.

Speaker

Bill Lindstaedt, M.S., University of California, San Francisco, San Francisco, CA

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Session 3

Location: Room 131

Improving Student Learning in Undergraduate Sciences via Assessment

(Recommended for faculty, program directors, and administrators)

Both traditional and new undergraduate science teaching methods and resources have advocates, but is there evidence to document their effectiveness in improving student learning? It is important to determine if these tools, particularly digital resources, are advancing student learning. The AAAS report *Vision and Change in Undergraduate Biology Education* recommends that biologists and other scientists use a scientific approach to course assessment. This workshop focuses on both quantitative and qualitative assessment techniques (e.g., objective questions, surveys, extended responses, problems, models, projects, and lab investigations) that can be used to measure student learning, attitudes, and behaviors. The data obtained can then be used to guide decisions about a course, including what students understand, what is difficult for them to learn, what motivates them, and how instruction should be modified to better facilitate their learning.

Moderator

Yolanda George, M.S., AAAS, Washington, DC

Speaker

Cynthia M. Bauerle, Ph.D., HHMI, Chevy Chase, MD

4:00 p.m. – 5:00 p.m. **CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS**

Session 1

Location: Ferrara Theater

Writing a Successful Personal Statement to Get into Highly Competitive Graduate Schools and Summer Programs

(Recommended for undergraduate, postbaccalaureate, and master's-level students)

What are graduate programs in the sciences looking for in applicants? Find out in this session that focuses on finding programs, using ranking systems smartly, getting better recommendations, selecting work samples, making critical connections with potential mentors, writing awesome statements of purpose, and learning how to get full funding and go to school for free. The session offers tips on writing powerful, effective statements for applications to graduate schools and/or summer programs. Get help from presenters who, during their careers, have written many personal statements, read thousands of submitted statements, and helped many early-career students write great statements. Bring a copy of a personal statement that you are working on.

Speakers

Joel Oppenheim, Ph.D., New York University, New York, NY

Nancy Schwartz, Ph.D., University of Chicago, Chicago, IL

Session 2

Location: Room 130

How to Get Great Letters of Recommendation

(Recommended for undergraduate, postbaccalaureate, and master's-level students)

Anxious about asking your faculty instructor for a recommendation letter? This workshop will provide undergraduates with strategies to ensure that asking for a recommendation letter is easy and effective! Find out what faculty members expect and want to know before they agree to write a recommendation letter for you.

Speaker

Linda Blockus, Ph.D., University of Missouri, Columbia, MO

Session 3

Location: Room 120

Tips on Applying to an NIH Postbaccalaureate Program

(Recommended for students considering postbaccalaureate training)

Many students consider postbaccalaureate training prior to applying to graduate school, and the NIH has the largest “postbac” training program in the country. The session will focus on NIH postbac program details and requirements, including the nuts and bolts of submitting a successful application. Speaker information and resources on other U.S. postbac training programs will also be presented.

Speaker

Sharon L. Milgram, Ph.D., NIH Office of Intramural Training & Education; National Heart, Lung, and Blood Institute; and National Human Genome Research Institute, Bethesda, MD

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Session 4 (Grad and Postdoc Session)

Location: Room 123

Navigating Your Way into a Postdoctoral Position and Opportunities for a Successful Postdoctoral Experience

(Recommended for doctoral-level graduate students and postdoctoral scientists)

This session will focus on the many critical issues that graduate students and postdoctoral scientists face when selecting first and second postdoctoral positions. These issues include securing funding, expected duration, racial and ethnic composition of the postdoctoral pool, health care and other benefits, job responsibilities, and career development activities. The forum will encourage candid conversations focusing on everything that graduate students and postdoctoral scientists want to know but are afraid to ask.

Moderator

MaryRose Franko, Ph.D., Howard Hughes Medical Institute, Chevy Chase, MD

Speakers

Jerraine M. Johnson-Heywood, Ph.D., Adecco at General Electric Transportation, Erie, PA

Andrea Stith, Ph.D., Consultant

Richard King, Ph.D., University of Utah, Salt Lake City, UT

Alberto Roca, Ph.D., Minority Postdoc.org

5:15 p.m. - 6:15 p.m.

Session 1

Location: Rooms 240-242

Speed Apps – Grad Application Networking

(Recommended for undergraduate, community college, and postbaccalaureate students)

In this hands-on session about the graduate school application process, participants network with faculty in small groups to explore components of their graduate school applications and learn more about building a competitive application package. Topics include (i) writing an insightful personal statement, (ii) informing referees about future plans, (iii) prepping for interviews, and (iv) reflecting on interview experiences.

Session Moderators

Alexandra “Sacha” Patera, Ph.D., Northwestern University Evanston, IL

Minnetta V. Gardinier, Ph.D., University of Iowa, Iowa City, IA

Additional Faculty Facilitators to Be Determined

Session 2

Location: Room 260

Time Management and Work/Life Balance

(Recommended for undergraduates, postbaccalaureates, graduate students, and postdoctoral scientists)

This session will provide you with strategies to manage the personal and professional aspects of your life so that you work smarter, not harder. The session discusses creating and managing a time management plan, setting goals and establishing priorities, and identifying and overcoming time management traps and time bandits.

Speaker

C. Gita Bosch, Ph.D., Educational Consultant, New York, NY

6:15 p.m. – 7:30 p.m.

FREE TIME!

7:30 p.m. – 9:30 p.m.

BANQUET, CONFERENCE WRAP-UP, AWARDS CEREMONY

Location: Hall 3

Conference Wrap-up

John Fitzgerald Gates, Ph.D., Criticality Management Consulting, New York, NY

Student Presentation Awards Ceremony

Concluding Remarks

Speaker

Clifford W. Houston, Ph.D., University of Texas Medical Center at Galveston, Galveston, TX

9:30 p.m. – 10:00 p.m.

Photo Session for ABRCMS Presentation Award Winners

Location: Rooms 104 & 105

10:00 p.m. – 1:00 a.m.

Dance and Social (All Are Invited)

Location: Renaissance Grand Hotel (Landmark Ballroom)



Meet and Greet Speakers

Opportunity to meet one-on-one with speakers informally to gain in depth knowledge of their research and career pathway to success.

(See program book for speaker biographies)

Thursday, November 10, 3:15 – 4:15 p.m.

Alejandro Sanchez Alvarado, Ph.D.

Howard Hughes Medical Institute

Dying Young as Late in Life as Possible: Stem Cells, Tissue Renewal, and Regeneration

Cora Marrett, Ph.D.

National Science Foundation, Arlington, VA

NSF: “Ground Zero” of the 21st Century’s Science and Technology Workforce

Renato Aguilera, Ph.D.

University of Texas at El Paso

From the Study of DNases to Anticancer Drug Screening; an Unexpected Scientific Journey

Alison O’Brien, Ph.D.

Uniformed Services University of the Health Sciences

Shiga Toxins: Potent Poisons Essential for Virulence of Escherichia coli Causing Food-Borne Bloody Diarrhea and Kidney Disease

Ken Ramos, Ph.D.

University of Louisville

A Tale of LINEs: Epigenetic Reactivation of L1 Retrotransposon by DNA-Damaging Agents

Memory Elvin-Lewis, Ph.D.

Washington University in St. Louis

Karen C. Hall, Ph.D.

Clemson University, Clemson, SC

People and Plants: What Does Ethnobotany Offer Biomedicine, and at What Cost?

Carlos Gutierrez, Ph.D.

California State University at Los Angeles

Learning the Grammar for Selective Acylation of Polyamines for Biomedical Application

Rebecca Hubbard, Ph.D.

Group Health Research Institute and University of Washington, Seattle

Evaluating the Harms of Repeat Cancer Screening for Use in Health Policy and Decision Making

Megan Murray, M.D., M.P.H., Sc.D.

Brigham and Women’s Hospital, Harvard School of Public Health, and Harvard Medical School

Understanding the Transmission Dynamics of Drug-Resistant Tuberculosis: A Multidisciplinary Approach

Pamela Scott-Johnson, Ph.D.

Morgan State University

Policy Research: An Evidence-Based Strategy for Sustainable Employment

Karen Mitchell

Association of American Medical Colleges

Changes In the MCAT

Jeffery Dubinski- Neesem

Boston University

John McElligot

Association of Schools of Public Health

Jason Rao, Ph.D

American Society for Microbiology

Title: Graduate Opportunities in Public and Global Health Research

Friday, November 11, 4:30 – 5:30 p.m.

Sylvester James Gates, Jr., Ph.D.

University of Maryland, College Park

Is Our Reality In ‘The Matrix’?

Susan Lindquist, Ph.D.

Whitehead Institute for Biomedical Research, Howard Hughes Medical Institute, and Massachusetts Institute of Technology

Using Simple Cells to Model Complex Diseases

Speaker Biographies

Conference Speakers

Ansley A. Abraham, Jr., Ph.D.

Ansley Abraham is director of the Southern Regional Education Board's Doctoral Scholars program in Atlanta. Under Dr. Abraham's direction, the Board has established a program that is part of a nationwide effort, the Compact for Faculty Diversity, to increase the number of minority Ph.D.s and college faculties. The SREB Doctoral Scholars Program is one of the nation's best documented and successful programs for producing minority Ph.D.s. Dr. Abraham has also completed two widely acclaimed studies on statewide assessment and placement standards and the need for developmental education for entering college students in the SREB region. As a result of his research Dr. Abraham has published numerous articles and monographs and is often quoted by major newspapers around the country. Dr. Abraham earned his B.S. in sociology and psychology, and his M.S. and Ph.D. in sociology (with an emphasis on sociology of education and race/ethnic relations) from Florida State University. He has been a program specialist in the Florida State Department of Education and a management analyst in the Florida Governor's Office.

Howard G. Adams, Ph.D.

Howard G. Adams is president and founder of H. G. Adams & Associates, Inc., a consulting company that provides a full range of career, personal, and professional development services to educational, governmental, and industrial organizations. Adams served as executive director of the National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc. (the GEM program), headquartered at the University of Notre Dame. He has written extensively in the areas of workforce development, student programs, mentorship program development, and program evaluation and has authored or coauthored more than 15 self-help guides and handbooks. Adams has received numerous awards and citations recognizing his work, including the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring. In 1999, he was named a 20th Century Outstanding Educator by *Black Issues in Higher Education*. Before joining GEM, Adams was vice president for student affairs at Norfolk State University. Adams holds a bachelor's degree from Norfolk State University, a master's degree from Virginia State University, and a doctorate from Syracuse University.

Renato Aguilera, Ph.D.

Renato Aguilera obtained his doctorate in immunology from the University of California, Berkeley, in 1987 and was a tenured professor in the Department of Molecular, Cell and Developmental Biology at the University of California, Los Angeles (UCLA), for 14 years. Aguilera's current projects involve immunology and cancer research, and he has been continuously funded by federal grants and research foundations. He holds bachelor's and master's degrees in microbiology from The University of Texas at El Paso (UTEP), which he joined as a full professor and director of the biology graduate program in 2002. Aguilera is also the director of UTEP's NIGMS-funded RISE Scholars Program, which provides research training and funding to minority undergraduate and graduate students. He has served as a board member of the Society for the Advancement of Chicanos and Native Americans in Science and chairs the Minority Affairs Committee of the American Society for

Cell Biology. Aguilera has received distinguished teaching awards from UCLA (1995) and UTEP (2007) and, most recently, the William A. Hinton Research Training Award from the American Society for Microbiology (2010). He has served on the Board of Scientific Councilors of the National Institute of Environmental Health Sciences and the Committee of Visitors of NSF and is currently on the review panel for the NIH Pioneer Awards. Aguilera attributes the undergraduate research experience that he obtained from the MBRS Program at UTEP as the most influential event that motivated him to pursue a research career. For this reason, he strongly believes in providing research experiences to undergraduates.

Alejandro Sánchez Alvarado, Ph.D.

Every day, the human body replaces an estimated 10 billion cells lost to injury or ordinary cellular housekeeping. More dramatically, when body parts of salamanders, flatworms, and hydra, among other organisms, are lost to injury or amputation, they grow entirely new ones. Scientists have marveled at such regenerative skills for centuries, but the lack of good model organisms and effective techniques has managed to keep regeneration a biological mystery. Almost single handedly, Alejandro Sánchez Alvarado, an investigator at the Stowers Institute for Medical Research, established a freshwater flatworm — *Schmidtea mediterranea* or planaria — as a powerful new model system to study the molecular mechanics of regeneration. His lab has developed the molecular tools needed to reveal how regeneration works in this flatworm. Over the past seven years, the lab has developed methods for suppressing flatworm gene function by using a technique called RNA interference. In addition, it launched one of the first efforts to deconstruct the molecular and cellular components underpinning regeneration.

John Augusto, Ph.D.

John Augusto is assistant dean in the Office of Research and Graduate Studies at the University of Kansas, overseeing the graduate application processing center for the main campus. He has more than 15 years of experience with graduate admissions. Augusto authored a study with the Educational Testing Service and the National Association of Graduate Admissions Professionals on student use of the Internet in selecting graduate programs.

Joseph Barbieri, Ph.D.

Joseph Barbieri received a doctorate in microbiology from the University of Massachusetts at Amherst and was a postdoctoral fellow at the University of California, Los Angeles, and Harvard Medical School. He joined the faculty in the Department of Microbiology and Molecular Genetics at the Medical College of Wisconsin in 1986. Barbieri studies the mode of bacterial toxin action, addressing the mechanisms that make these toxins lethal for the host. His research addresses how toxins recognize their substrates and enter host cells with translational studies to develop vaccines and diagnostics against bacterial pathogens. Barbieri has served as an editor for the American Society for Microbiology and trained four M.D.-Ph.D. students. He has been the director of the Medical Scientist Training Program at the Medical College

of Wisconsin (M.D.-Ph.D.) since 2005 and serves on the Association of American Medical Colleges M.D.-Ph.D. Section Communications Committee.

Lucia Barker, Ph.D.

Lucia Barker is the program officer for the Science Education Alliance (SEA) at the HHMI Department of Precollege and Undergraduate Science Education. Barker received her bachelor's degree at the University of Minnesota and her doctorate in molecular microbiology and immunology from the University of Missouri. Her postdoctoral work was in bacterial pathogenesis at Stanford University and the NIH/NIAID Rocky Mountain Laboratory campus in Hamilton, Montana. Barker was also a recipient of the Frank Howard Fellowship for Scientific Exchange, which included a 2-month rotation at the Pasteur Institute in Paris, France. As a faculty member at the University of Minnesota Medical School, she continued her research in mycobacterial pathogenesis, including studying gene expression in mycobacterial biofilms and the pathogenic mechanisms of *Mycobacterium leprae* and *Mycobacterium marinum*. Barker has long been interested in and committed to science education and outreach. She has trained and mentored science interns at the Children's Museum of Manhattan, developed curricula for the PBS program *Nature*, and trained numerous graduate and undergraduate students in her laboratory. Currently, she helps coordinate the National Genomics Research Initiative (NGRI), the first SEA course. This year, the NGRI involves more than 1,200 students, primarily freshmen, at 69 institutions. The students learn and experience science first hand as they perform authentic research, isolating and purifying bacteriophages, and performing both phenotypic and genotypic characterization on their isolates. During her time at HHMI, Barker has written much of the NGRI curriculum and trained more than 150 faculty and teaching assistants in the delivery of the NGRI course.

Cynthia Bauerle, Ph.D.

Cynthia Bauerle is senior program officer in Precollege and Undergraduate Science Education at HHMI. Bauerle manages the HHMI Professors program, which provides competitive awards to top research scientists to conduct projects in science education. By training, she is a molecular biologist whose research has focused on cellular homeostasis and enzyme assembly in yeast. She has held faculty appointments at several primarily undergraduate-serving institutions, and has 20 years of experience in science education reform and curriculum development. Bauerle served on the science faculty at Hamline University from 1992 to 2005. In 1999 and 2000, she was awarded a Fulbright Senior Scholarship for her sabbatical project consulting for a national biotechnology training program at the University of Dar es Salaam in Tanzania. Most recently, she served as biology chair at Spelman College, where she also directed the college's HHMI Undergraduate Science Education program. Bauerle earned her undergraduate degree in biology from the University of Virginia and her doctorate in molecular biology from the University of Wisconsin-Madison.

Guy Berst, M.S.

Guy Berst has worked with undergraduate and graduate students for over 15 years. He currently serves as associate director for recruitment and development at the Medical College of Wisconsin Graduate School of Biomedical Sciences. Guy earned his bachelor's degree from the University of Wisconsin, Madison, and his master's degree from Concordia University Wisconsin.

C. Gita Bosch, Ph.D.

C. Gita Bosch has 20 years of academic leadership experience and a seven-year background in laboratory biomedical research. As associate dean at both Mount Sinai School of Medicine and Memorial Sloan-Kettering Cancer Center, she has served as a minority student advocate for over 20 years. Bosch has also served on an American Association of Medical Colleges (AAMC) advisory group that looks at health disparities in biomedical research and the biomedical workforce in the nation. For almost 20 years, she has been collaborating with organizations that work with underrepresented undergraduate and graduate students such as ABRCMS, Society for Advancement of Chicanos and Native Americans in Science, and MHPF. Bosch currently serves on external advisory committees for the Postbaccalaureate Research Education Program (PREP) and the MARC and RISE programs. As an elected member of the steering committee of the AAMC GREAT Group, she founded and chaired the Gateway for Aspiring Biomedical Scientists Committee, which created and launched a resource website for trainees at all levels. Bosch has a long history of leading professional development workshops on topics that include applying to graduate school, interviewing, leadership, networking, writing, time management and communications skills. She has also served as a consultant for the Case Western Reserve University Office of Inclusion, Diversity and Equal Opportunity, helping guide the preparation of a diversity strategic action plan for the University, and for the Association of UNCF/Merck Fellows, helping to establish this professional association of African American biomedical scientists as a national presence.

Tiffani J. Bright, Ph.D.

Tiffani J. Bright is a consultant with a focus on bridging informatics and health IT. She earned a bachelor's degree in sociology from the College of William and Mary in 2001, a bachelor's degree in information systems from the University of Maryland, Baltimore County, in 2004, and a doctorate in biomedical informatics from Columbia University in 2009. Her dissertation concentrated on the development and evaluation of an ontology-based clinical decision support system for appropriate antibiotic prescribing. In 2011, Bright completed her postdoctoral fellowship in the Department of Community and Family Medicine at Duke University. She specializes in clinical decision support and knowledge management systems, user needs assessment, and usability evaluation. Her research areas include evaluating the adoption and effectiveness of health IT, implementing policies pertaining to health IT, and disseminating findings to clinicians in order to improve the quality of care and health outcomes. Bright is the first known African American female to obtain a doctorate in the field of biomedical informatics.

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Lori Burge, B.S.

Lori Burge is a senior grants management specialist for the Center for Bioinformatics and Computational Biology and the MORE team of NIGMS. Burge joined the NIGMS grants management team in 2002, and as a senior specialist, she is responsible for a diverse portfolio of grant awards and has signatory authority to release NIH research grant awards. Before joining NIGMS, Burge was an accountant with the U.S. Department of Health and Human Services. Burge holds a bachelor's degree in accounting from the University of Maryland.

Agustin Chicas, Ph.D.

Agustin Chicas is a postdoctoral fellow studying the role of tumor suppressor pathways and epigenetic modifiers in cellular senescence in Scott Lowe's lab at Cold Spring Harbor Laboratory. Chicas began his scientific career at the University of the District of Columbia, where he obtained a bachelor's degree in biology. During that period, he did summer undergraduate research at Hunter College, CUNY, and this experience motivated him to apply to graduate school. He obtained a doctorate in molecular and cellular biology from Hunter College, working in the laboratory of Jill Bargonetti on the DNA binding and *trans*-activation properties of wild-type and mutants of the tumor suppressor gene p53. After obtaining his doctorate, he went to Rome, Italy, where he studied the role of the RNAi machinery in directing the modification of histone tails.

Sonja Cox

Sonja Cox is the program coordinator for the M.D./Ph.D. Scholars Program at the University at the Nebraska Medical Center (UNMC) College of Medicine. She received her bachelor's degree in management from Bellevue University. As its coordinator for the last 11 years, she has administered all aspects of the program, including student affairs, program organization, budgetary management, marketing and recruitment, the admissions process, and faculty liaison. Cox also administers the UNMC M.D./Ph.D. Summer Undergraduate Research Program for students interested in pursuing a dual degree as well the UNMC Medical Student Summer Research Program for incoming and first-year medical students. In addition to the M.D./Ph.D. Scholars Program, she also administers projects and programs in the Office of Research and Development.

Shawn R. Drew, Ph.D.

Shawn R. Drew is a program director at the NIH NIGMS, where she manages research and research training programs aimed at increasing the number of historically underrepresented populations for leadership positions in science. Drew also manages the biostatistics T32 training grants and the R01 research grants from the Biostatistical Methods and Research Design Study Section. Before her current position, Drew was director of the NIH Academy, an intramural postbaccalaureate research training program. She holds a bachelor's degree in chemistry from Spelman College and a doctorate in biology from Howard University. Drew conducted her doctoral dissertation research and postdoctoral work at the NIH National Institute of Diabetes and Digestion and Kidney Diseases.

Jeffery Duinski-Neessen

Jeffery Dubinski-Neessen has been working in graduate admissions for over six years and currently works at Boston University School of Public Health. He holds a master of education in Higher Education Administration from Boston University and is interested in diversity recruitment and retention, graduate enrollment management, and student leadership development. Jeffery is passionate about working with a group of socially-minded students who strive to make positive changes in their communities and in other people's lives. He also volunteers in public health with various organizations dealing with HIV/AIDS, mental health, and the Safe Schools Project.

Kafui Dzirasa, Ph.D.

Kafui Dzirasa is the first African American to complete a doctorate in neurobiology at Duke University. His research interests focus on understanding how changes in the brain produce neurological and mental illness, and his graduate work has led to several distinctions, including Duke's Somjen Award for Most Outstanding Dissertation Thesis, the Ruth K. Broad Biomedical Research Fellowship, the UNCF-Merck Graduate Science Research Fellowship, and the Wakeman Fellowship. In 2009, Dzirasa obtained a medical degree from the Duke University School of Medicine, where he was subsequently appointed assistant professor and house staff in the Department of Psychiatry and Behavioral Science. Dzirasa is a product of the nationally renowned Meyerhoff Scholarship program of the University of Maryland, Baltimore County, where he was a long jump champion, an Academic All-American, and student body president. Dzirasa has served on the board of directors of the Student National Medical Association, a national organization dedicated to the eradication of health care disparities. Through his service as chapter president, Region IV director, and National Internal Affairs Committee chair, Dzirasa has participated in numerous programs geared towards exposing youth to science and technology, providing health education for minority communities, and organizing clinics to screen for chronic diseases. He received the Charles Johnson Leadership Award in 2007, and was recognized as one of *Ebony* magazine's 30 Young Leaders of the Future in February 2008. Dzirasa's ultimate goal is to combine his research background, medical training, and community experience to improve outcomes for underserved communities suffering from neurological and psychiatric illness.

Memory Elvin-Lewis, Ph.D.

The multifaceted scientific career of Memory Elvin-Lewis' has encompassed aspects of virology, epidemiology, microbiology, ethnobotany, and ethnopharmacology. Her studies have been worldwide, with particular emphasis on plants used in Africa, the Middle East, Asia, the West Indies, and North and South America. Her research focuses on understanding the therapeutic rationale behind plants selected for a wide variety of maladies, particularly those of infectious origin. Elvin-Lewis also continues to be interested in the risks of inappropriate herbal formulations and/or their use. Her 2001 article "Should We Be Concerned about Herbal Remedies?" enjoyed more hits on the *Journal of Ethnopharmacology* website than any other publication at that time. In 2005, an extension of this article "Safety Issues Regarding Herbal Use,"

appeared as a book chapter in *Advances in Food and Nutrition Research*, where it addressed these issues in more detail and explained how worldwide regulatory policies are evolving to make these products safer. She has also published several articles on how ethnobotanical research and bioprospecting should be conducted in a legal, ethical, and sensitive manner so appropriate benefit-sharing mechanisms are in place. In a recent 2011 publication, she has shown how a myriad of sources, including free or for-fee databases, can be used to affirm the exclusivity or widespread popularity of a medicinal plant and how other studies in the ethnobotanical, botanical, biomedical, and chemical literature can validate the therapeutic rationale for this selection.

Don Frazier, Ph.D.

At the University of Kentucky College of Medicine, Don Frazier is professor emeritus, past chair of physiology, and current director of the Outreach Center for Science and Health Career Opportunities. A neuroscientist with special interests in the neural control of respiration and membrane biophysics, Frazier is the recipient of numerous NIH and private foundation research and student development awards. In addition, he is the principal investigator of the NIH-NIGMS Internet Grant-Writing Program.

Minnetta Gardinier, Ph.D.

Minnetta Gardinier is associate dean for Graduate Recruitment and Professional Development in the Graduate College at the University of Iowa. She holds a doctorate in biochemistry and molecular biology from Louisiana State University Medical Center. Gardinier conducted postdoctoral research at the Centre Hospitalier Universitaire Vaudois in Lausanne, Switzerland. Her research interests are in the areas of central nervous system myelination and molecular neurobiology. She is also an associate professor of pharmacology and the program director for the Molecular and Cellular Biology Training Program (funded by NIGMS). Gardinier oversees the Office of Graduate Ethnic Inclusion, directs the Professional Development Seminar Series and the Principles of Scholarly Integrity course, and interfaces with the Women in Science and Engineering and the Iowa Biosciences Advantage programs. She also directs the University of Iowa McNair Scholars Program. Gardinier is committed to partnering with departments and programs to promote efforts that foster student success and greater inclusivity across our classrooms and research laboratories.

John Fitzgerald Gates, Ph.D.

John Fitzgerald Gates is a co-founder of Criticality Consulting Management Group. Before holding this position, he served as Associate Dean for Administration and Finance at Harvard College (the undergraduate division of Harvard University) and previously he was Special Assistant to the President and the Provost and Lecturer of Higher Education at the University of Vermont (UVM). At UVM, Gates advised the executive leadership, oversaw the Diversity and Equity Unit and university events, participated on the master planning counsel, and represented the university to the public. For nearly a decade prior, Gates served New York University (NYU) in numerous capacities, including as Executive Director of Global Operations with oversight of NYU campuses in Great Britain, Italy, the Czech Republic, and Argentina. He has also

served NYU as Assistant Provost, Associate Director of the Africana Studies Program and the Institute of African-American Affairs, and Associate Director of the Faculty Resource Network. He is a fellow of the British-American Project and has served on numerous organizational boards. Gates holds a bachelor's degree in English from Morehouse College and a master's degree in higher education administration from NYU and a doctorate degree in organizational leadership at the University of London.

Sylvester James Gates, Jr., Ph.D.

Sylvester James (Jim) Gates, Jr., is an American theoretical physicist known for his work in supersymmetry, supergravity, and superstring theory. Gates received his bachelor's and doctoral degrees from the Massachusetts Institute of Technology (MIT), the latter in 1977. His doctoral thesis was the first at MIT on supersymmetry. Gates is currently the John S. Toll Professor of Physics at the University of Maryland, College Park, and serves on President Barack Obama's Council of Advisors on Science and Technology. In 1984, he co-authored *Superspace* — the first comprehensive book on supersymmetry — with M. T. Grisaru, M. Rocek, and W. Siegel. Gates has been featured extensively on PBS *NOVA* programs on physics, most notably "The Elegant Universe" in 2003. In 2006, he completed *Superstring Theory: The DNA of Reality for the Teaching Company*, a DVD series of 24 half-hour lectures that help make the complexities of unification theory comprehensible to laypeople. During the 2008 World Science Festival, Gates narrated a ballet, *The Elegant Universe*, in which he highlighted the artistic forms connected to his scientific research. In 2010, the U.S. Department of Energy selected him as a Nifty Fifty Speaker for the USA Science and Engineering Festival, where he shared his love of science and discussed his work and career with middle and high-school students. Gates was a Martin Luther King Jr. Visiting Scholar at MIT for the 2010-2011 school year and a Residential Scholar at MIT's Simmons Hall. He is continuing his research in string theory, supersymmetry, and supergravity at the MIT Center of Theoretical Physics. He is a member of the board of trustees of the Society for Science & the Public, a member of the American Physical Society, and a former president of the National Society of Black Physicists.

Mekbib Gemed, B.S.

Mekbib Gemed is assistant dean for Diversity Affairs and Community Health and the director of the Center for the Health of the African Diaspora at the New York University (NYU) School of Medicine. As cochair of the Dean's Council on Institutional Diversity and head of the Office of Diversity Affairs, he has been responsible for developing programs and initiatives to increase diversity among students, residents, faculty, and the leadership and for developing pipeline programs. Gemed also leads initiatives to expand cultural competency education across the medical center and to integrate community health and health disparities education and research in the core medical school curriculum. He has more than a decade of experience in national and local efforts to reduce health disparities and increase diversity in the biomedical workforce. Before joining NYU, Gemed was involved in developing a robust biomedical research center supported by NIH and a nationally recognized faculty and graduate student

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recruitment and retention program at Hunter College, CUNY. He was also involved in developing the largest online, national network of minorities in science, justgarciaciahill.org.

Yolanda S. George, M.S.

Yolanda Scott George is deputy director and program director of Education and Human Resources Programs at AAAS. Her duties and responsibilities include planning, development, management, implementation, and evaluation of multiyear science, mathematics, and technology (SMT) education and educational research projects. George conducts evaluations, project and program reviews, and evaluation workshops for both the NIH and NSF. She also reviews SMT proposals for private foundations and public agencies, including Carnegie Corporation of New York and the Ford Foundation. George has raised more than \$80 million for SMT education initiatives for colleges and universities, associations, and community-based groups. She currently serves as principal investigator (PI) or co-PI on several NSF grants, including the Vision and Change in Undergraduate Biology Education: A View to the 21st Century Initiative. George is the lead AAAS staff person for the L'Oréal USA Fellowships for Women in Science Program (postdoctoral fellowships) and the David and Lucile Packard Foundation HBCU Graduate Scholars Program (graduate school fellowships). She serves on a number of boards or committees and has authored or co-authored more than 50 papers, pamphlets, and manuals. George received her bachelor's and master's degrees from Xavier University of Louisiana and Atlanta University, respectively.

Kathy Doyle Grzech, M.A.

Kathy Doyle Grzech is associate director of the University of Kentucky Proposal Development Office, where she specializes in pre-award proposal and research development services. In her ten years in research administration, Grzech has authored or co-authored a number of institutional proposals resulting in major awards from various federal agencies and foundations. She has also supported hundreds of faculty in developing and writing competitive grant applications for external funding. She maintains an active workshop schedule for campus, regional, and national groups focused on grant-writing training specific to diverse agencies.

Carlos G. Gutiérrez, Ph.D.

Carlos G. Gutiérrez grew up in Los Angeles and was educated in its public schools. After receiving his bachelor's degree at the University of California, Los Angeles (UCLA), and his doctorate at University of California, Davis, he joined the faculty at California State University, Los Angeles (CSULA), where he is the University President's Distinguished Professor of Chemistry. Gutiérrez and his students design and synthesize molecules useful in understanding iron acquisition and transport in bacteria. He has administered research training programs at CSULA for three decades, including NIGMS MARC and MBRS RISE programs. In the past eight years alone, 55 CSULA MARC and RISE alumni have completed doctorates and 135 are currently in doctoral programs. Gutiérrez was named U.S. Professor of the Year by the Carnegie Foundation for the Advancement of Teaching in 2005 and is the recipient of numerous other honors, including the ACS 2006 Stanley C. Israel

Award for Advancing Diversity in Chemistry, 2005 Education Award from the Hispanic Engineer National Achievement Award Corporation, 2004 AAAS Lifetime Mentor Award, and 1996 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. He is a senior fellow of the California Council on Science and Technology, an elected fellow of AAAS, and a lifetime National Associate of the National Academies of Science. His animated film "Antimatter," which he produced as an undergraduate at UCLA, received an academy award from the Academy of Motion Picture Arts and Sciences in 1973.

Karen Hall, Ph.D.

Karen Hall is director for the South Carolina Master Naturalist Program and state coordinator of the South Carolina Master Gardener Program. Her grandmother sending her outside to play on 50 acres in the North Carolina mountains — land that once belonged to the Cherokees — was the impetus for a career tied to nature and culture. Hall earned her bachelor's degree in biology, master's degree in botany, and doctorate in plant physiology. Her dissertation focused on learning how the Cherokees use plants as medicine so that they might continue that aspect of their traditional identity.

Barry A. Hong, Ph.D.

Barry Hong is a professor of psychiatry and medicine at the Washington University in St. Louis School of Medicine. He is board certified in clinical psychology from the American Board of Professional Psychology and holds joint appointments in the departments of internal medicine and psychology. Hong is vice chair for clinical affairs in the department of psychiatry and serves as the chief psychologist for Barnes-Jewish Hospital. In addition to its MR5 Committee, Hong serves on the Council of Academic Societies for the Association of American Medical Colleges and the board of directors for the Society of Clinical Psychology. He is the past president of the Association of Medical School Psychologists. Hong is an associate editor of the *Journal of Clinical Psychology in Medical Settings*. His current research is funded by both NIH and the Health Resources and Services Administration (HRSA). Hong earned a master's degree in divinity from Concordia Seminary and a doctorate in psychology from St. Louis University. He is a fellow of the American Psychological Association. Hong serves as the psychological consultant to the Renal Division and to the Liver and Renal Transplant Programs at Barnes-Jewish Hospital as well as the Pediatric Lung Transplant Program at Children's Hospital. He has been a consultant with the United Network of Organ Sharing and the Division of Transplantation (HRSA).

Clifford W. Houston, Ph.D.

Clifford W. Houston is a tenured professor at the University of Texas Medical Branch (UTMB), where he is also the Associate Vice President for Educational Outreach. In addition, he is the original holder of the Herman Barnett Distinguished Professorship in Microbiology and Immunology. Houston serves or has served on many boards in the Galveston, TX, community. He was chairman of the University of Texas System Committee on the Advancement of Minorities and is cochair of the Galveston County Science Fair. Houston has received numerous awards for his work in the

community, including the UTMB Kempner Award, the Martin Luther King, Jr. Service Award, and the Presidential Award for Science, Math, and Engineering Mentoring. Funding to support the many programs and activities of Houston's office comes from the National Science Foundation, the Howard Hughes Medical Institute, the Harris and Eliza Kempner Fund, the National Institutes of Health, and the Houston Livestock Show and Rodeo as well as the UTMB President's Cabinet Award. Houston is a past president of the American Society for Microbiology (ASM) and a past chairperson of the ASM Education Board.

Rebecca Hubbard, Ph.D.

Rebecca Hubbard is an assistant investigator at the Group Health Research Institute (GHRI) and an affiliate assistant professor in the Department of Biostatistics at the University of Washington. Hubbard received her doctorate in biostatistics from the University of Washington in 2007, after completing a master's degree in epidemiology at the University of Edinburgh in 2001. She joined GHRI in 2008 after completing a postdoctoral fellowship in biostatistics at the National Alzheimer's Coordinating Center, where her work emphasized joint modeling of multiple outcomes, such as disease progression and quality of life. Hubbard's work at GHRI includes collaborating with the Breast Cancer Surveillance Consortium on projects that (i) evaluate the performance of screening mammography and (ii) develop statistical methods for quantifying the harms and benefits of repeat cancer screening. She also leads statistical efforts on research that uses data from mammography registries and Medicare claims to examine the relationship between screening mammography regimens and resource use. In addition, Hubbard is interested in using the statistical decision theory to evaluate interventions and screening programs and to combine subjective assessments of health outcomes with cost and other objective outcomes.

Richard D. King, M.D., Ph.D.

Richard D. King joined the University of Utah in September 2009 as assistant professor in the Department of Neurology in the Center for Alzheimer's Care, Imaging and Research, where he also serves as director of the Alzheimer's Image Analysis Laboratory. Before coming to Utah, King was assistant professor of neurology at the University of Texas Southwestern Medical Center. His research uses multidisciplinary translational approaches to understand Alzheimer's disease and related neurodegenerative disorders. His current focus is the use of advanced neuroimaging analysis tools to study morphometric changes in the brain associated with neurodegenerative diseases. King received a bachelor's degree in bioengineering from Texas A&M University, where he graduated cum laude and with university and foundation honors. He received his doctorate in neuroscience and his medical degree from the Baylor College of Medicine, where he also interned in internal medicine. In 2002, he received the first Annual Richard R. Dickason Outstanding Physician Scientist award from Baylor College of Medicine's Medical Scientist Training Program. He completed his neurology residency at Harvard Medical School, followed by a fellowship in Behavioral Neurology and Cognitive Neuroscience at the University of Texas at Dallas. He is a member of the American Academy of Neurology, Society for Neuroscience,

Cognitive Neuroscience Society, and National Medical Association. He has been the recipient of numerous awards, including a prestigious grant from the Robert Wood Johnson Foundation's Harold Amos Medical Faculty Development Program.

Mary Sanchez Lanier, Ph.D.

Mary Sanchez Lanier is associate dean in the College of Sciences and a professor of microbiology at Washington State University (WSU). Lanier did her postdoctoral training at the Centers for Disease Control. Following that, she accepted a faculty position at WSU. Lanier's research focuses on the pathogenesis of viruses in their interactions with humans; she has studied the role of influenza virus in Reye's syndrome and the immunosuppressive effects of measles virus. Lanier chairs the American Society for Microbiology (ASM) Committee on Minority Education and is past chair of the review committees for the ASM Robert D. Watkins Graduate Research Fellowship and the ASM Microbiology Undergraduate Research Fellowship. She is also a reviewer for the Barry M. Goldwater Scholarship and Excellence in Education Program.

Bin Li, Ph.D.

Bin Li was born and grew up in China. Bin Li joined Monsanto in 1995 after 3 years of postdoctoral research associate positions at the Univ. of Florida and Univ. of Nebraska. In Monsanto, he further expanded his experience in plant physiology and biochemistry, made multiple contributions in project development, developed from a scientist to a people manager. His current role is the platform lead of Protein Sciences. The platform conducts protein design, protein expression and purification, protein characterizations through structure and function analysis to enable new product discovery and pipeline advancement in Monsanto.

Susan L. Lindquist, Ph.D.

Susan L. Lindquist is a member and former director of the Whitehead Institute for Biomedical Research, a professor of biology at MIT, and a HHMI investigator. Lindquist specializes in molecular biology, particularly the protein folding problem within a family of molecules known as heat-shock proteins. She studied microbiology at the University of Illinois as an undergraduate and received her doctorate in biology from Harvard University. Lindquist was elected to the American Academy of Arts and Sciences in 1997, the National Academy of Sciences in 1997, and the Institute of Medicine in 2006. She is the recipient of several accolades, notably the Max Delbrück and Mendel Medals in 2010, the President's National Medal of Science and the FASEB Excellence in Science Award in 2009, and the Otto Warburg Prize in 2008.

Bill Lindstaedt, M.S.

Bill Lindstaedt has been helping scientists and engineers make career decisions for nearly 20 years. He is the director of the Office of Career and Professional Development at the University of California, San Francisco (UCSF). In addition to his administrative responsibilities at UCSF, his career advising work focuses on helping predoctoral and postdoctoral research scientists with their career and professional development issues. Lindstaedt has developed particular expertise working with life and health scientists

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as they transition from academic positions to careers in biotech and other non-academic settings. He holds a bachelor's degree in chemical engineering from Rose-Hulman Institute of Technology, and a master's degree from the joint Counseling Psychology and Higher Education/Student Affairs programs at Indiana University. Prior to coming to UCSF in 2001, Lindstaedt's career-counseling experience included work with engineering and science students at Case Western Reserve University and Rose-Hulman Institute of Technology.

Michael Mace, M.A.

Michael Mace is a grants management specialist with the NIH NIGMS MORE Division/Center for Bioinformatics and Computational Biology (CBCB) team. He joined NIGMS in 2005 and manages the business and fiscal aspects of a portfolio of grants in the MORE Division, which administers research and research training programs aimed at increasing the number of minority biomedical and behavioral scientists through three branches and the CBCB. Mace holds a bachelor's and master's degrees in Social and Public Policy from Georgetown University.

Julianne Malveaux, Ph.D.

Julianne Malveaux is president of Bennett College for Women. Recognized for her progressive and insightful observations, she is also an economist, author and commentator. Malveaux's contributions to the public dialogue on issues such as race, culture, gender, and their economic impacts are shaping public opinion in 21st century America. Her writing appears regularly in *USA Today*, *Diverse: Issues in Higher Education*, *Ms. Magazine*, *Essence*, and *The Progressive*. Her weekly columns appear in numerous newspapers across the country, including the *Los Angeles Times*, the *Charlotte Observer*, the *New Orleans Tribune*, the *Detroit Free Press*, and the *San Francisco Examiner*. Well known for appearances on national network programs, Malveaux is a charismatic and popular guest on a variety of shows. She appears regularly on CNN and BET, as well as on Howard University's television show "Evening Exchange." She has appeared on PBS's "To The Contrary," ABC's "Politically Incorrect," Fox News Channel's "O'Reilly Factor," and stations such as C-SPAN, MSNBC, and CNBC. She has also hosted talk radio programs in Washington, San Francisco, and New York. In addition to her columns and media appearances, Malveaux is an accomplished author and editor. Her academic work is included in numerous papers, studies, and publications. A committed activist and civic leader, Malveaux serves on the boards of the Economic Policy Institute, The Recreation Wish List Committee of Washington, DC, and the Liberian Education Trust. Malveaux received her bachelor's and master's degrees in economics from Boston College and earned a doctorate in economics from MIT. A native San Franciscan, she is founder and thought leader of Last Word Productions, Inc. a multimedia production company headquartered in Washington, DC.

Joeli Marrero, Ph.D.

Joeli Marrero is part of a Weill Cornell Medical College research program focused on target identification for the development of

novel chemotherapies against the human pathogen *Mycobacterium tuberculosis*. Marrero received her bachelor's degree in biology, with cum laude honors, from the University of Puerto Rico, Cayey, and was awarded a doctorate in molecular biology and microbiology from Tufts University School of Medicine. Her thesis was on the prevention of antibiotic resistance transfer among pathogenic bacteria. Marrero recently completed her postdoctoral training at Weill Cornell Medical College, investigating how *M. tuberculosis* modulates its carbon metabolism to persist in the host. In addition to her research, Marrero works as an associate faculty member for Faculty 1000, an online database that assists scientists in keeping abreast of the fast pace of science. She is passionate about making science accessible to diverse audiences and mentoring students on high-impact science presentation delivery, a powerful asset that can bring minorities to the next level of success and recognition by their peers. Marrero's passion for research was cultivated during her participation in several undergraduate research programs, including the ASM Minority Undergraduate Research Fellowship. She collaborates with the Biomedical Science Careers Program, designing programs that empower minority students to communicate the scientific accomplishments and ideas that make them exceptional scientists effectively.

Cora Marrett, Ph.D.

On May 26, 2011, Cora Marrett was confirmed by the U.S. Senate to serve as deputy director of the NSF. Marrett is the 12th deputy of the foundation and has served as senior advisor for its affairs since February 2011. She served as acting NSF director when Arden L. Bement, Jr., resigned in June 2010 and before Subra Suresh was confirmed as director in October 2010. From 2007 to 2009, Marrett served as assistant director for the NSF Directorate for Education and Human Resources. There she led the directorate to support the NSF mission to achieve excellence in U.S. science, technology, engineering, and mathematics education at all levels. From 1992 to 1996, Marrett served as NSF's assistant director for social, behavioral, and economic sciences. For her leadership in developing new research programs and articulating the scientific projects of this new directorate, Marrett received NSF's Distinguished Service Award. Prior to returning to NSF in 2007, she served as the University of Wisconsin's senior vice president for academic affairs for six years. Before that, she served as senior vice chancellor for academic affairs and provost at the University of Massachusetts-Amherst for four years. Marrett holds a bachelor's degree from Virginia Union University and master's and doctoral degrees from the University of Wisconsin-Madison, all in sociology. She received an honorary doctorate from Wake Forest University in 1996 and Virginia Union (her alma mater) in 2011. Marrett was elected a fellow of the American Academy of Arts and Sciences in 1998 and the American Association for the Advancement of Science in 1996.

Richard McGee, Ph.D.

Richard McGee is Associate Dean for Faculty Recruitment and Professional Development and Associate Professor of Medical

Education at Northwestern University, Feinberg School of Medicine. Before joining Northwestern University in 2007, he held faculty and administrative leadership positions associated with the development of Ph.D., M.D./Ph.D., and M.D. scientists at Georgetown University, the Medical College of Ohio, the Mayo Clinic College of Medicine, and the National Institutes of Health (NIH). At Mayo, McGee initiated the first postbaccalaureate research training model funded by NIH. He was also one of several advisors to the National Institute of General Medical Sciences during its creation of the Postbaccalaureate Research Education Program. McGee has led several NIH-funded studies of student development and has a special interest in helping students grow through the purposeful use of a period of time between college and graduate school. McGee's goal is to stimulate thinking, experimentation, and research into student learning and professional development.

Sharon Milgram, Ph.D.

Sharon Milgram received a doctorate in cell biology and anatomy from Emory University in 1991 and completed postdoctoral work at The Johns Hopkins University before joining the faculty at The University of North Carolina at Chapel Hill. She is currently the director of the Graduate Partnerships Program and the Office of Intramural Training and Education at NIH, where she also runs an active research lab in the NIH Intramural Program. Milgram teaches and advises young scientists and has served on the admissions committees for several Ph.D. and M.D./Ph.D. programs.

Karen J. Mitchell, Ph.D.

Karen Mitchell is senior director of the Admissions Testing Service and Director of the Medical College Admission Test (MCAT) at the Association of American Medical Colleges. With other MCAT researchers, she is working on the fifth comprehensive review of the MCAT exam, an initiative that will generate recommendations for future testing that recognize advances in medical education and admissions testing. Mitchell holds master's and doctoral degrees in educational measurement and research from Cornell University.

Megan Murray, Ph.D.

Megan Murray is an associate professor of epidemiology at the Harvard School of Public Health, where she leads a research team that conducts multidisciplinary research on multidrug-resistant and extensively drug-resistant tuberculosis. Team responsibilities involve conventional and molecular epidemiology, cost effectiveness and mathematical modeling, outcomes and operations research, and genomic epidemiology. Murray is also an associate professor of medicine and the director of research at the Brigham and Women's Hospital Division of Global Health Equity and its sister organizations, Partners in Health and the Department of Global Health and Social Medicine at Harvard Medical School.

Craig Nelson, Ph.D.

Craig Nelson is an emeritus professor of biology at Indiana University (IU) and a Carnegie Scholar. He was instrumental in the

development of IU's award-winning Scholarship of Teaching and Learning (SOTL) program and in the founding of the International Society for the Scholarship of Teaching and Learning (ISSOTL) and was the first president of ISSOTL. Nelson's published research and syntheses related to how teaching and learning address critical thinking and mature valuing, diversity, active learning, teaching evolution and SOTL. His awards include several for distinguished teaching, the President's Medal for Excellence (IU), a Lifetime Achievement Award for Vision from ISSOTL, and the Outstanding Research and Doctoral University Professor of the Year for 2000 (Carnegie Foundation for the Advancement of Teaching/Carnegie Academy for Science Education).

Alison O'Brien, Ph.D.

Alison O'Brien received her bachelor's degree in biology and bacteriology from the University of California, Davis, in 1969. She then trained as a medical technologist for one year and worked for two years in diagnostic laboratories. O'Brien received her doctorate in pathogenic bacteriology from The Ohio State University in 1976. She was awarded a National Research Council postdoctoral fellowship to study a newly described toxin of *Shigella*, a project that was conducted under the sponsorship of Samuel Formal at the Walter Reed Army Institute. In 1978, O'Brien became an assistant professor of microbiology at the Uniformed Services University of the Health Sciences. She was promoted to associate professor in 1981, professor in 1985, and chair of microbiology and immunology in 1996. O'Brien's research areas include the pathogenic mechanisms of Shiga-toxin-producing *Escherichia coli*, the contributions of cytotoxic necrotizing factor and hemolysins to infections caused by uropathogenic *E. coli*, and the development of therapeutics against *Bacillus anthracis* and *Bacillus cereus*. She has served as editor-in-chief of *Infection and Immunity* and as president of the American Society for Microbiology (2008-2009).

Joel Oppenheim, Ph.D.

Joel Oppenheim holds a bachelor's degree in zoology and genetics from the University of Wisconsin and master's and doctoral degrees in medical microbiology from Loyola University School of Medicine. He was an NIH postdoctoral fellow at the New York University (NYU) School of Medicine in the Department of Microbiology. Oppenheim first served on the NYU School of Medicine faculty as an assistant professor and then as an associate professor of microbiology for more than 20 years. In 1994, he was appointed associate dean for graduate studies and director of NYU's Sackler Institute of Graduate Biomedical Sciences. Recently he was promoted to senior associate dean of the medical school. Oppenheim serves on the NYU School of Medicine's M.D. and M.D./Ph.D. admissions committees, and he chairs the Ph.D. admissions committee. He founded and directs the NYU Summer Undergraduate Research Program. Oppenheim is an active member of the American Society for Microbiology (ASM) and has served on various ASM committees. He is active in the Leadership Alliance and serves on the steering committee of the Group on Graduate Research, Education, and Training of the Association of American Medical Colleges.

Conference Speakers (continued)

Alexandra “Sacha” Patera, Ph.D.

Sacha Patera is assistant director of the Interdepartmental Biological Sciences Graduate Program at Northwestern University. She holds a doctorate in biophysics and structural biology from Brandeis University. Patera conducted postdoctoral research and held a research assistant professor position at Northwestern University. Her doctoral and postdoctoral research interests were in protein structure and the functional determination of cytochrome, serpin, topoisomerase, and beta-lactamase proteins. Currently, Patera directs and oversees a variety of professional and career development programs for undergraduates, graduate students, and postdoctoral scholars at Northwestern. She is also involved in training young scholars in scientific skills and the responsible conduct of research. As a member of Northwestern's Science and Engineering Committee for Multicultural Affairs, Patera is actively involved in the recruitment, retention, and mentoring of underrepresented minority young scientists across all STEM fields. Patera is also an active member of the Chicago Chapter of the American Women in Science and the American Association of University Women.

Deborah Philp, Ph.D.

Deborah Philp is the intramural training director for the Office of Education at the National Institute of Dental and Craniofacial Research. She is responsible for developing scientific and professional development training programs for summer interns, postbaccalaureate students, graduate students, and postdoctoral fellows. Philp received her doctorate in molecular, cellular, and developmental biology from The Graduate School and University Center of the City University of New York. Her thesis project focused on early T-cell development. Philp was a research fellow at the National Institute of Dental and Craniofacial Research, where she studied the mechanisms involved in wound healing. She published over 15 papers during her postdoctoral fellowship and filed a patent on a peptide that accelerated hair growth. During her time as a research fellow, Philp developed a strong interest in pre- and postdoctoral training, education, and career development. She also became involved in training and recruitment. Philp transitioned to her current position to pursue these interests and has made strong strides in these areas. In 2011, she received the NIH Harvey J. Bullock Jr. Equal Opportunity Achievement Award in recognition of her support of diversity in the Intramural Research Program.

Jeff Poet, Ph.D.

Jeff Poet is an associate professor of mathematics at Missouri Western State University (MWSU). He has collaborated with MWSU biology colleague Todd Eckdahl, Davidson College biology colleague Malcolm Campbell, and Davidson College mathematics colleague Laurie Heyer since 2006 to mentor interdisciplinary undergraduate synthetic biology research teams. Specifically, the four have mentored six groups of undergraduates in the design, construction, and testing of prototype bacterial computers — *E. coli* that solve math problems. The four are members of Genome Consortium for Active Teaching (GCAT), facilitated synthetic biology workshops for faculty in 2010 and 2011, and will be the co-facilitators of the GCAT Synthetic Biology Workshops in 2012, 2013, and 2014.

Roberta Pokphanh, Ph.D.

Roberta Pokphanh is program coordinator for graduate student professional development in the Office of Graduate Studies at the University of Kansas (KU). She works with university departments and graduate student organizations to develop professional development training suited to the diversity of disciplines at KU, and with faculty applying for federally funded training grants. Pokphanh received her doctorate from the University of Kansas in 2009.

Nalini Polavarapu, Ph.D.

Nalini Polavarapu is a Predictive Analytics/Discovery lead at Monsanto, where she leads a team of Strategic Scientists conducting interdisciplinary research in Breeding and Biotechnology. The team is responsible for developing novel predictive strategies applying state-of-the-art computational and statistical technologies directly impacting Monsanto's research pipeline. She earned a PhD in Bioinformatics, dual Masters in Computer Science and Bioinformatics from Georgia Institute of Technology in Atlanta, Georgia. Nalini has authored and co-authored several research articles in leading scientific journals and co-authored book chapters on high throughput biomedical data analysis and applications.

Clifton A. Poodry, Ph.D.

Clifton A. Poodry is Director of the Minority Opportunities in Research Division at the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH). Poodry is responsible for developing and implementing NIGMS policies and plans for minority research training programs. He also serves as a liaison between NIGMS and NIH, other federal agencies, and the scientific community. Before assuming this position in April 1994, Poodry was a professor of biology at the University of California, Santa Cruz, and the principal investigator on a \$1 million Howard Hughes Medical Institute grant for undergraduate biological sciences. He serves on several advisory boards (including those for the Headlands Indian Health Careers Program of the University of Oklahoma, the American Indian Science and Engineering Society, and the Society for the Advancement of Chicanos and Native Americans in Science [SACNAS]), and the advisory committee on Minority Science Education of the American Association for the Advancement of Science. Poodry is also a founding member of Open Mind, an association for the achievement of cultural diversity in higher education. He is a native of the Tonawanda Seneca Indian Reservation. Poodry earned both bachelor's and master's degrees in biology at the State University of New York at Buffalo and holds a doctorate in biology from Case Western Reserve University. He received the Ely S. Parker Award from the American Indian Science and Engineering Society for Contributions in Science and Service to the American Indian Community in 1995 and the Distinguished Professional Mentor Award from SACNAS in 2004.

Kenneth Ramos, Ph.D.

Ken Ramos has longstanding interests in genetic and epigenetic control of mammalian gene expression, environmental genomics, and computational biology. A major thrust in his laboratory is the study of mammalian retroelements and endogenous retroviral-like sequences and their roles in human disease. He is a leading expert

in the study of molecular mechanisms of environmental toxicity and gene-environment interactions. Ramos has held many positions of leadership during his 30-plus years as a molecular scientist, including director of the National Institute of Environmental Health Sciences Center for Environmental Genomics, 2003 president-elect of the American Heart Association-Texas Affiliate, and 2008-2009 president of the Society of Toxicology.

Jason Rao, Ph.D.

Jason Rao recently joined the American Society for Microbiology (ASM) as director of International Affairs. Prior to his arrival at ASM, Rao was senior policy advisor for global science engagement in the White House Office of Science and Technology Policy, where his responsibilities included President Obama's Global Engagement initiative aimed at renewing science and technology partnerships. Rao also served in the U.S. Department of State, where he worked on a range of foreign assistance initiatives and global threat reduction programs to enhance global health security and scientific cooperation. During that time, Rao launched the Biosecurity Engagement Program, leading the expansion of the next generation of cooperative threat reduction programs across South and South East Asia as well as the Middle East, Africa, and Latin America. Rao holds a doctorate in biochemistry, cellular and molecular biology from The Johns Hopkins University School of Medicine and earned his bachelor's degree in synthetic organic chemistry from the University of California at Santa Cruz.

Jayne S. Reuben, PhD

Jayne Stewart Reuben is clinical associate professor in the Department of Biomedical Sciences at the University of South Carolina School of Medicine in Greenville (USCSOM). Prior to joining USCSOM in 2011, she was assistant professor in the Department of Biomedical Sciences at Baylor College of Dentistry. Reuben is the third-year medical pharmacology course director in addition to lecturing in graduate pharmacology and in the summer predoctoral program. Reuben is a member of the FASEB/MARC Advisory Board and the Diversity Committee for the National Postdoctoral Association (NPA). She was elected to the NPA Executive Board during her postdoctoral training at the University of Michigan in the Department of Pathology. Reuben earned her doctorate in Pharmaceutical Sciences with a specialization in Pharmacology and Toxicology from Florida Agricultural and Mechanical University (FAMU). She is the recipient of awards and fellowships from many organizations, including UNCF-MERCK, the American Foundation of Pharmaceutical Education, the Delores A. Auzenne Foundation, and the FAMU Faculty Development Program

Justin Rosenzweig, M.P.A.

Justin Rosenzweig is a grants management specialist with the NIH NIGMS MORE Division/Center for Bioinformatics and Computational Biology (CBCB) team. He joined NIGMS in 2004 and manages the business and fiscal aspects of a portfolio of grants in the MORE Division and the CBCB. Rosenzweig holds a bachelor's degree in political science from the University at Albany, SUNY, and a master's degree in public administration from the American University.

K. Rashid Rumah, M.D.-Ph.D. Candidate

Rashid Rumah is a fourth-year M.D.-Ph.D. candidate at the Weill Cornell/Rockefeller/Sloan Kettering Tri-Institutional M.D.-Ph.D. Program in New York City, N.Y. Originally from Barbados, he moved to the United States at age 15 and finished high school in North Carolina. Rashid received his bachelor's degree in biology from Stanford University in 2006, where he also participated in collegiate varsity track and field. After graduating, he remained at Stanford for two additional years as a lab technician in a neurobiology lab before moving on to pursue his doctoral degrees at the Tri-Institutional M.D.-Ph.D. Program in 2008. He currently studies multiple sclerosis, with a particular interest in creating a new animal model for the disease.

Nancy B. Schwartz, Ph.D.

Nancy Schwartz is director of the Kennedy Mental Retardation Research Center at the University of Chicago, where she is also a professor in the Departments of Pediatrics and Biochemistry and Molecular Biophysics. Schwartz is active on the university's developmental biology and molecular medicine committees, as well as in numerous institutional, governmental, and national boards and organizations. These include NIH, the Association of American Medical Colleges, and the National Postdoctoral Association. She is the recipient of an Arthritis Foundation Fellowship and an American Heart Association Investigatorship, along with NIH Merit, Research Career Development, and Mentor of Excellence Awards. Schwartz holds bachelor's degrees in chemistry and master's and doctoral degrees in biochemistry from the University of Pittsburgh.

Pamela E. Scott-Johnson, Ph.D.

Pamela E. Scott-Johnson is chairperson and an associate professor in the Department of Psychology at Morgan State University. She earned a bachelor's degree in psychology (and graduated magna cum laude) from Spelman College in 1982 and master's and doctoral degrees in psychology and neuroscience from Princeton University in 1984 and 1989, respectfully. She loves being an educator and administrator and is dedicated to providing innovative and effective teaching strategies that foster critical thinking and empower learners, who will be the country's future leaders. Scott-Johnson has directed programs designed to strengthen institutional research infrastructure; advocate, encourage, and strengthen behavioral and biomedical research, which will in turn strengthen institutional effectiveness and competitiveness; and support acquisition of external funds for quantitative and qualitative scholarly and community endeavors. She has also coordinated efforts in neuroscience education that facilitated faculty and student access and involvement in neuroscience research. Scott-Johnson has created similar educational strategies for the psychological sciences. She has presented and published extensively in her areas of research in chemical senses, body image perception, and educational attainment. Scott-Johnson actively participates as a member of the American Psychological Association.

Conference Speakers (continued)

Ada Sue Selwitz, M.A.

Ada Sue Selwitz is director of the University of Kentucky Office of Research Integrity, which is responsible for ensuring compliance with issues pertaining to human subject protection, Health Insurance Portability and Accountability Act authorization waivers, research misconduct, institutional animal care and use committee management, and data ownership and retention. She has been active at the national level in shaping federal responsible conduct in research policy and in providing education in selected compliance areas.

Gayle Slaughter, Ph.D.

Gayle Slaughter served as president and for six years on the board of the Louisiana Junior Academy of Sciences. Slaughter received a bachelor's degree in chemistry from Northwestern State University of Louisiana and a doctorate from the Department of Biochemistry and Biophysics at Iowa State University. Her postdoctoral fellowship at Baylor College of Medicine was supported by an NIH National Research Service Award. Slaughter was promoted to assistant professor of cell biology at Baylor College of Medicine and continued her studies of gene expression during spermatogenesis with an R01 grant from the National Institute of Child Health and Human Development. She has been the principal investigator on more than \$20 million in national grants to educate scientists and won the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. Slaughter is senior associate dean of Graduate Education and Diversity for the Graduate School of Biomedical Sciences and professor of Molecular and Cellular Biology at Baylor College of Medicine. She has become very involved in issues of training young scientists, especially those from disadvantaged and underrepresented populations. The SMART GRE Prep Course that Slaughter developed led to the book *Beyond the Beakers: SMART Advice on Entering Graduate Programs in the Sciences and Engineering*. In addition, more than 2,000 college students from across the nation have participated in the Summer Medical and Research Training (SMART) Program. Slaughter has served on the program committee for the Society for Advancement of Chicanos and Native Americans in Science, the conference organizing committee for ABRCMS, and the Advisory Board for the National Human Genome Research Institute's Minority Action Plans.

Jeni Smits, B.A.

Jeni Smits is a grants management specialist with the NIH NIGMS Division of Cell Biology and Biophysics. Smits has been with NIGMS since 2000 and is currently the chair of the NIH X-Train Committee. xTrain provides program directors, university administrators, and trainees the ability to electronically process and submit appointment forms and termination notices associated with institutional research training grants and career development awards. It is also used by grants management staff to review and process the appointments and termination notices submitted electronically. Smits holds a bachelor's degree from the University of Maryland.

Susan F. South, M.P.A.

Susan South is a grants management specialist with the NIH NIGMS MORE Division/Center for Bioinformatics and Computational Biology (CBCB) team. She joined the NIGMS in 2009 as a fellow in the NIH Administrative Fellows Program. South manages the administrative and fiscal aspects of grants in the MORE Division and the CBCB. Prior to joining NIGMS, she worked as a program coordinator for the Office of Sponsored Programs at the Virginia Commonwealth University School of Medicine. She holds a bachelor's degree in anthropology and english, as well as a master's degree in public administration from Virginia Commonwealth University.

Andrea Stith, Ph.D.

Andrea Stith is a freelance higher education consultant located in the Washington, D.C., metro area. Her background includes positions as program officer at HHMI and policy analyst at FASEB. Stith is the recipient of research fellowships at Shanghai Jiao Tong University in Shanghai, China, Alexander von Humboldt Foundation in Berlin, Germany, and Ludwig-Maximilians-University in Munich, Germany. She holds a bachelor's degree in physics from the University of Delaware and a doctorate in biophysics from the University of Virginia.

Michelle S. Swanson, Ph.D.

Michelle Swanson is a professor in the Department of Microbiology and Immunology at the University of Michigan. Swanson is active in the Society for Leukocyte Biology and the American Society for Microbiology, where she is an at-large councilor on the Council Policy Committee. She is a recipient of the NSF ADVANCE Elizabeth Caroline Crosby Award and the Presidential Early Career Award for Scientists and Engineers. She is the incoming vice chair (2012) and chair (2014) of the Gordon Research Conference on Microbial Toxins and Pathogenicity. Swanson holds bachelor's degree in biology from Yale University and master's and doctoral degrees in genetics from Columbia and Harvard Universities, respectively.

Adolphus Toliver, Ph.D.

Adolphus Toliver is chief of the NIGMS MARC Branch. He came to NIGMS from the NIH Division of Research Grants (DRG), now the Center for Scientific Review, where he served as the scientific review administrator for the Biochemistry Study Section from which he derived both the Physical Biochemistry Study Section and the Medical Biochemistry Study Section. Prior to joining the DRG staff, Toliver was a faculty member in the Department of Biochemistry and Biophysics at the University of California, Davis. He is the author of a number of peer-reviewed scientific papers and has served as a reviewer or scientific judge at both local and national scientific meetings. Toliver earned a bachelor's degree in biology from Washington University in St. Louis, where he was elected to membership in Alpha Sigma Lambda, an honorary scholastic society. He received master's and doctoral degrees in molecular biology/biochemistry from Purdue University. During his graduate and postgraduate training, Toliver was the recipient of predoctoral fellowships from the Indiana Elks

and NIH and a postdoctoral fellowship from the American Cancer Society. He has served on the dean's advisory committee for Purdue University's School of Science. In 1991, he was bestowed the honorific title of "Old Master" by Purdue. Among his honors are two NIH Awards of Merit, the Public Health Special Recognition Award, the NIH Director's Award, and the DRG Equal Employment Opportunity Special Achievement Award.

Pratibha Varma-Nelson, Ph.D.

Pratibha Varma-Nelson is executive director of the Center for Teaching & Learning at Indiana University-Purdue University, where she is also a professor in the Department of Chemistry and Chemical Biology. Varma-Nelson has been involved in the development, implementation, and dissemination of the peer-led team learning (PLTL) model of teaching since 1995. She was the co-recipient of the 2008 James Flack Norris award for her role in developing a PLTL workshop model for teaching chemistry. In 2011, she was awarded the Stanley C. Israel Award for Advancing Diversity in the Chemical Sciences by the American Chemical Society. Varma-Nelson is a member of the editorial board for the *Journal of Science Education and Technology* and a former member of the advisory board for *Chemical & Engineering News*. She holds a bachelor's degree in chemistry from Pune University, India, and a doctorate in organic chemistry from the University of Illinois-Chicago.

Andrew Young B.S.

Andrew Young is a second-year M.D./Ph.D. student at Washington University in St. Louis. He previously worked as a postbaccalaureate research fellow at the NIH National Human Genome Research Institute. Young completed his undergraduate training at Washington University in St. Louis in 2007. His research interests are in genomics, bioinformatics, and translational research.

Hinda Zlotnik, Ph.D.

Hinda Zlotnik earned her doctorate in microbiology and immunology from Temple University. She did postdoctoral work at Temple and the Laboratory of Enzymes and Biochemistry at the National Institute of Diabetes and Digestive and Kidney Diseases. She initiated her academic career as an assistant professor of microbiology at the University of Puerto Rico (UPR) School of Medicine, where she conducted research on pathogenic actinomycetes of the genus *Nocardia* in addition to teaching medical, dental, graduate, and pharmacy students and training graduate and medical students in her laboratory. After being promoted to associate and full professor at this institution, Zlotnik was appointed director of the UPR Office of Sponsored Research, which she established with NIH funding. She joined the NIGMS MORE Division in 1998. After serving for almost four years as the MARC program director, she was appointed chief of the NIGMS MBRS Branch. In this position, she oversees the administration of grants designed to increase the number of students and faculty from underrepresented groups who participate in biomedical research. Zlotnik belongs to several professional societies, most notably the American Society for Microbiology and the Medical Mycological Society of the Americas. In 2004, she was the recipient of the Professional Achievement Award of the National Association of Hispanic Federal Executives.

ABRCMS Statistics

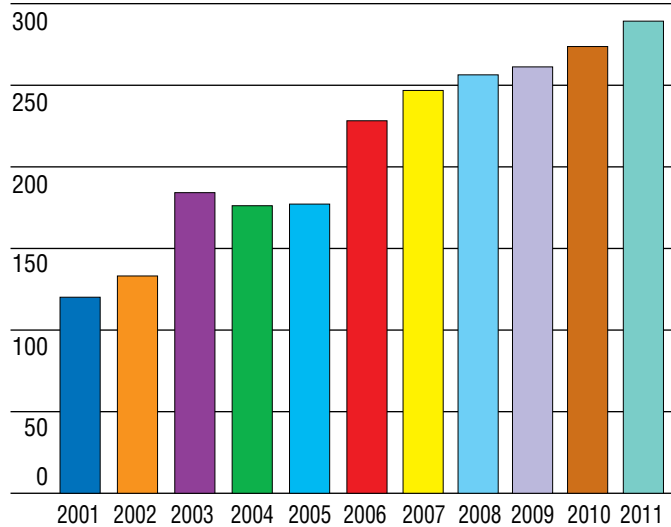
Registration

Type of Attendee	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011*
Students	1157	1646	1694	1580	1667	1633	1525	1788	1755	2008	1817
Undergrad Students/Postbacs	863	1395	1383	1264	1296	1233	1290	1494	1462	1713	1550
Grad Students/Postdocs	161	251	311	316	371	400	235	294	293	295	267
Exhibitors	230	237	283	305	323	418	426	442	458	504	416
Program Directors & Faculty	304	471	464	409	423	421	503	501	445	587	513
Others/Admin	164	235	129	141	131	96	10	109	99	139	158
Total	1855	2589	2570	2435	2544	2568	2464	2840	2757	3238	2904

*As of October 31, 2011 (pre registration)

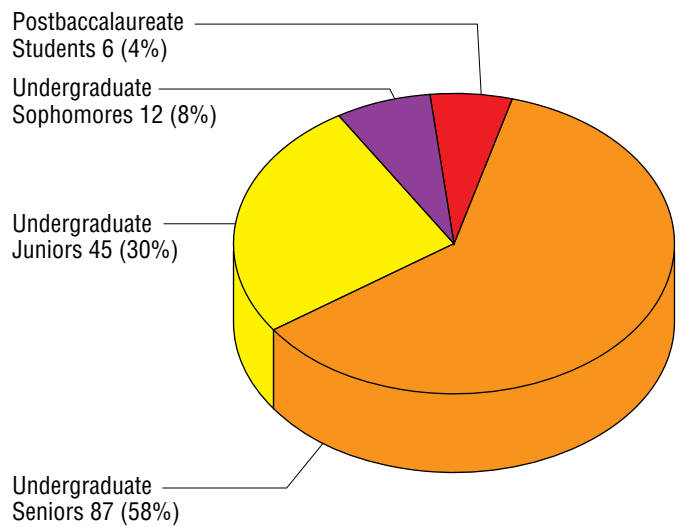
Exhibits

Number of Exhibit Booths



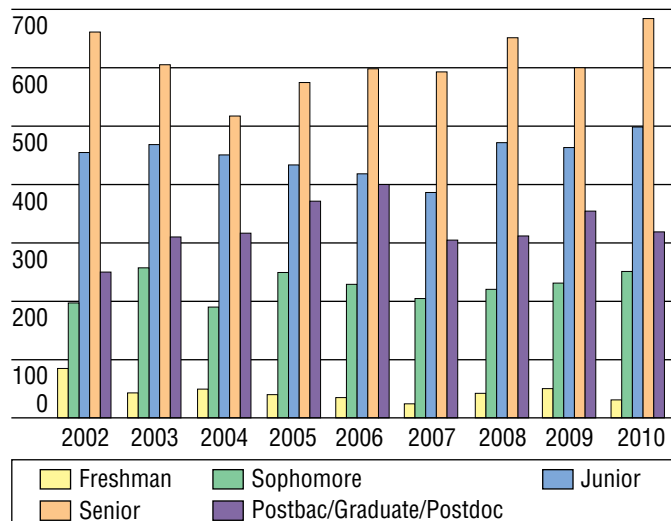
ABRCMS Travel Awards (2011 Awardees)

Total Awardees 150



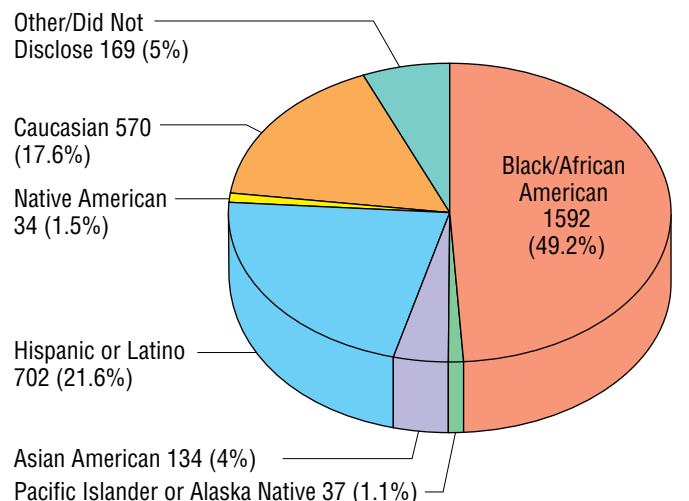
ABRCMS Student Education Levels - 2010

Attendees



2010 ABRCMS Attendee Ethnicity

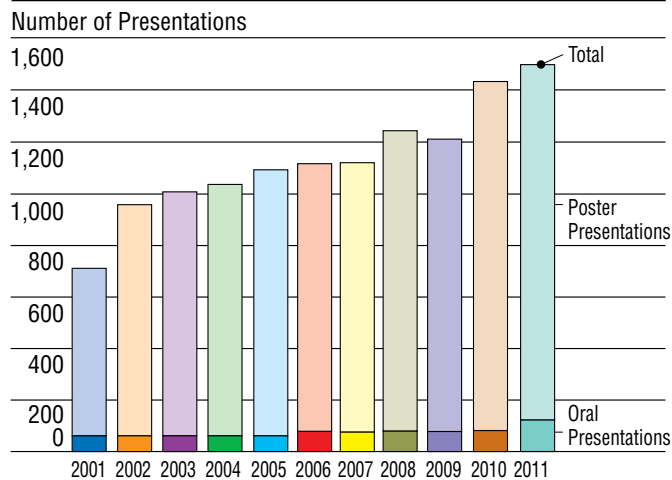
Total Attendance 3238



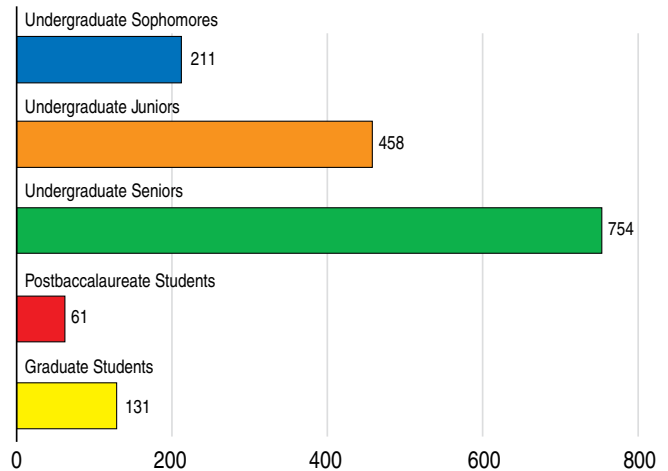
Abstracts Submitted

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Biochemistry	81	90	114	109	101	117	120	117	141	154	139
Cancer Biology	-	-	-	-	-	-	-	-	-	-	145
Cell Biology	197	303	289	215	233	198	174	189	195	232	119
Chemistry	93	112	125	123	135	128	141	162	148	156	166
Developmental Biology and Genetics	-	-	-	-	-	-	41	61	61	57	142
Engineering, Physics & Mathematics	19	45	37	65	80	81	51	90	73	110	130
Environmental Sciences	60	79	93	-	-	-	-	-	-	-	-
Immunology	-	-	-	-	-	-	-	-	-	-	79
Interdisciplinary Sciences	16	-	-	-	-	-	-	-	-	-	-
Microbiology	88	135	129	156	162	220	182	217	200	261	174
Molecular and Computational Biology	-	-	-	139	118	152	148	159	136	151	112
Neuroscience	-	90	85	56	121	138	138	131	130	160	145
Physiology	142	146	138	156	89	103	87	84	87	102	109
Social & Behavioral Sciences & Public Health	73	124	74	83	104	89	84	155	127	162	155
Total	769	1,124	1,084	1,102	1,143	1,226	1,160	1,365	1,298	1,545	1,615

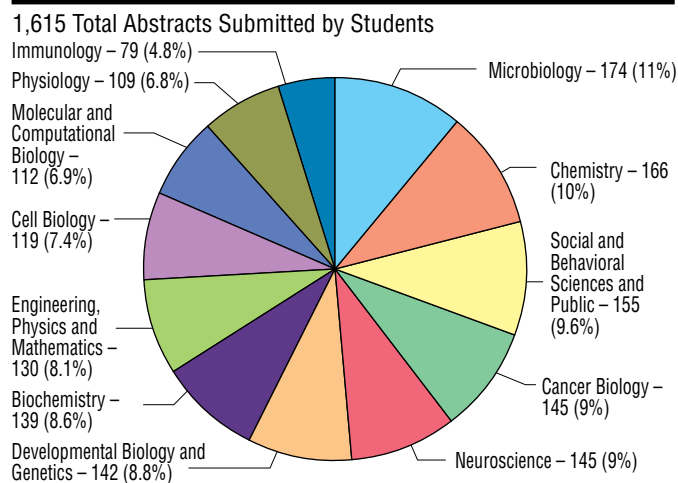
Total Number of Student Presentations



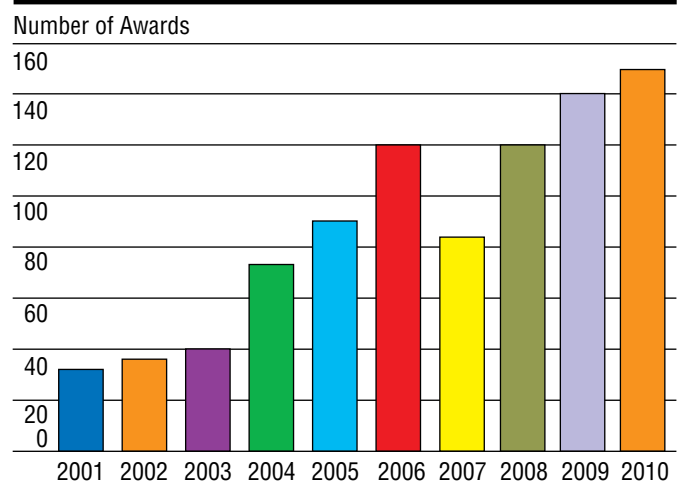
2011 ABRCMS Abstracts Submitted by Educational Level



2011 Distribution of Scientific Disciplines



Student Presentation Awards

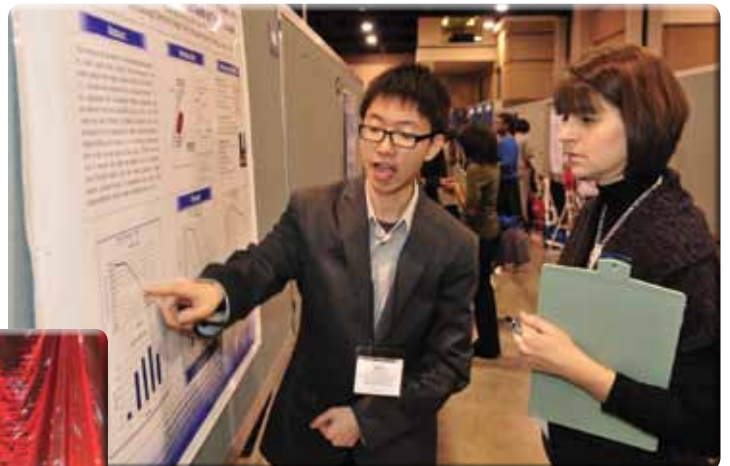
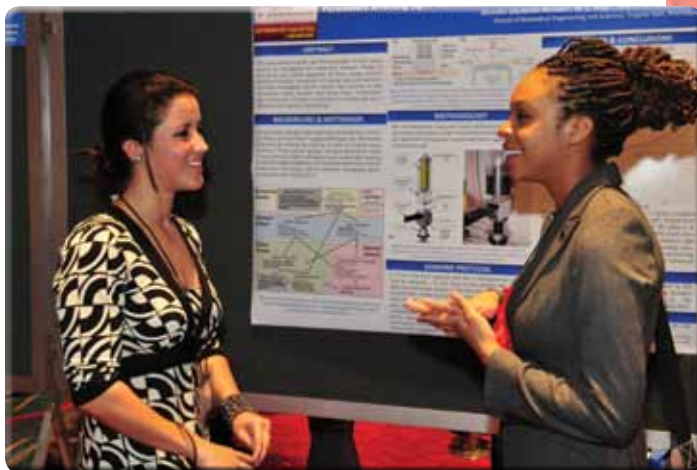




“Meet & Greet” session with Dr. Francis Collins

It was a good experience. I liked how the judges offered their input not just from a judging aspect, but as a concerned professional.

UNDERGRADUATE STUDENT



Abstract Information

Abstract Information

Poster Presentation Schedule – Exhibit Hall 4

Poster Session 1 (A):

Thursday, November 10, 2:30 p.m. – 3:45 p.m.
 Set-up time: 2:15 p.m. – 2:30 p.m.
 Take down time: 5:15 p.m. – 5:30 p.m.

Poster Session 2 (B):

Thursday, November 10, 4:00 p.m. – 5:15 p.m.
 Set-up time: 2:15 p.m. – 2:30 p.m.
 Take down time: 5:15 p.m. – 5:30 p.m.

Poster Session 3 (C):

Friday, November 11, 11:00 a.m. – 12:15 p.m.
 Set-up time: 10:45 a.m. – 11:00 a.m.
 Take down time: 12:15 p.m. – 12:30 p.m.

Poster Session 4 (D):

Friday, November 11, 3:45 p.m. – 5:00 p.m.
 Set-up time: 3:30 p.m. – 3:45 p.m.
 Take down time: 6:30 p.m. – 6:45 p.m.

Poster Session 5 (E):

Friday, November 11, 5:15 p.m. – 6:30 p.m.
 Set-up time: 3:30 p.m. – 3:45 p.m.
 Take down time: 6:30 p.m. – 6:45 p.m.

Poster Session 6 (F):

Saturday, November 12, 9:45 a.m. – 11:00 a.m.
 Set-up time: 9:30 a.m. – 9:45 a.m.
 Take down time: 12:30 p.m. – 12:45 p.m.

Poster Session 7 (G):

Saturday, November 12, 11:15 a.m. – 12:30 p.m.
 Set-up time: 9:30 a.m. – 9:45 a.m.
 Take down time: 12:30 p.m. – 12:45 p.m.

Oral Presentation Schedule – Locations are listed on pages 25-27, 32-34

Oral Sessions 1 – 12:

Thursday, November 10, 5:30 p.m. – 6:30 p.m.

Oral Sessions 13 – 24:

Saturday, November 12, 8:30 a.m. – 9:30 a.m.

Poster Board Presentations (Sessions A-G) by Scientific Discipline and Poster Session

	Session 1 (A) Thursday 2:30 pm – 3:45 pm	Session 2 (B) Thursday 4:00 pm – 5:15 pm	Session 3 (C) Friday 11:00 am – 12:15 pm	Session 4 (D) Friday 3:45 pm – 5:00 pm	Session 5 (E) Friday 5:15 pm – 6:30 pm	Session 6 (F) Saturday 9:45 am – 11:00 am	Session 7 (G) Saturday 11:15 am – 12:30 pm
Graduate Students and Previous ABRCMS Presentation Awardees	A01 – A022	B01 – B022	C01 – C024	D01 – D022	E01 – E022	F01 – F022	G01 – G022
Social and Behavioral Sciences and Public Health	A023 – A040	B023 – B040	C025 – C033	D023 – D040	E023 – E040	F023 – F040	G023 – G040
Physiology	A041 – A052	B041 – B052	C034 – C046	D041 – D052	E041 – E052	F041 – F052	G041 – G052
Neuroscience	A053 – A067	B053 – B067	C047 – C070	D053 – D067	E053 – E067	F053 – F067	G053 – G067
Molecular and Computational Biology	A068 – A078	B068 – B078	C071 – C081	D068 – D078	E068 – E078	F068 – F078	G068 – G078
Microbiology	A079 – A097	B079 – B097	C082 – C104	D079 – D097	E079 – E097	F079 – F097	G079 – G097
Immunology	A098 – A104	B098 – B104	C105 – C114	D098 – D104	E098 – E104	F098 – F104	G098 – G104
Engineering, Physics and Mathematics	A105 – A117	B105 – B117	C115 – C129	D105 – D117	E105 – E117	F105 – F117	G105 – G117
Developmental Biology and Genetics	A118 – A132	B118 – B132	C130 – C146	D118 – D132	E118 – E132	F118 – F132	G118 – G132
Chemistry	A133 – A150	B133 – B150	C147 – C169	D133 – D150	E133 – E150	F133 – F150	G133 – G150
Cell Biology	A151 – A163	B151 – B163	C170 – C184	D151 – D163	E151 – E163	F151 – F163	G151 – G163
Cancer Biology	A164 – A178	B164 – B178	C185 – C205	D164 – D178	E164 – E178	F164 – F178	G164 – G178
Biochemistry	A179 – A193	B179 – B193	C206 – C224	D179 – D193	E179 – E193	F179 – F193	G179 – G193

ABRCMS Student Presentation Chairpersons

Biochemistry

Charles Bevins, M.D./Ph.D., *University of California, Davis, CA*
Joseph Orban, Ph.D., *Southern University at Shreveport, Shreveport, LA*

Cancer Biology

Cynthia van Golen, Ph.D., *Delaware State University, Dover, DE*
Hao Nguyen, Ph.D., *California State University, Sacramento, CA*

Cell Biology

Jacob Varkey, Ph.D., *Humboldt State University, Arcata, CA*
Juanita Merchant, Ph.D., *University of Michigan, Ann Arbor, MI*

Chemistry

Alvin Holder, Ph.D., *The University of Southern Mississippi, Hattiesburg, MS*
Marco Lopez, Ph.D., *California State University, Long Beach, CA*

Developmental Biology and Genetics

DiAnna L. Hynds, Ph.D., *Texas Woman's University, Denton, TX*
Lisa Goering, Ph.D., *St. Edwards University, Austin, TX*

Engineering, Physics and Mathematics

Rebecca Hubbard, Ph.D., *University of Washington, Seattle, WA*
Mauricio Cabrera-Rios, Ph.D., *University of Puerto Rico at Mayaguez, Mayaguez, PR*

Immunology

Tesfaye Belay, Ph.D., *Bluefield State College, Bluefield, WV*
Jayne Reuben, Ph.D., *Texas A&M Health Science Center, College Station, TX*

Microbiology

Patricia Baynham, Ph.D., *St. Edward's University, Austin, TX*
David Sanchez, Ph.D., *Western University of Health Sciences, Pomona, CA*

Molecular and Computational Biology

Marlene de la Cruz, Ph.D., *University of California, Irvine, CA*
Teresa Singleton, Ph.D., *Winston-Salem State University, Winston-Salem, NC*

Neuroscience

Peter O'Day, Ph.D., *University of Oregon, Eugene, OR*
Alejandro Sanchez Alvarado, Ph.D., *University of Utah, Salt Lake City, UT*

Physiology

Martin Muntzel, Ph.D., *Lehman College (CUNY), Bronx, NY*
J. Derek Stone, Ph.D., *Paine College, Augusta, GA*

Social and Behavioral Sciences and Public Health

Louise Hainline, Ph.D., *Brooklyn College of CUNY, Brooklyn, NY*
Cherrie B. Boyer, Ph.D., *University of California, San Francisco, CA*

ABRCMS Judges' Travel Subsidy Review Committee

- Michael Ehi Ayewoh, Ph.D., *West Chester University of Pennsylvania, West Chester, PA*
- Healani K. Chang, Ph.D., *University of Hawaii at Manoa, Honolulu, HI*
- Latanya Hammonds-Odie, Ph.D., *Georgia Gwinnett College, Lawrenceville, GA*
- Marc Tischler, Ph.D., *University of Arizona, Tucson, AZ*
- Arthur Washington, Ph.D., *Florida A&M University, Tallahassee, FL*
- Gayle Weaver, Ph.D., *Centers for Disease Control and Prevention, Atlanta, GA*

ABRCMS Student Travel Award Review Committee

- Sherrice Allen, Ph.D., *Fayetteville State University, Fayetteville, NC*
- John Augusto, Ph.D., *The University of Kansas, Lawrence, KS*
- C. Gita Bosch, Ph.D., *Educational Consultant, New York, NY*
- Maryrose E. Franko, Ph.D., *Howard Hughes Medical Institute, Chevy Chase, MD*
- Mekbib Gameda, Ph.D., *NYU School of Medicine, New York, NY*
- Medeva Ghee, Ph.D., *Brown University, Providence, RI*
- Olivia Harriott, Ph.D., *Fairfield University, Fairfield, CT*
- Jerainne M. Johnson-Heywood, Ph.D., *Adecco at General Electric Transportation, Erie, PA*
- Bereneice Madison, Ph.D., *International Laboratory Consultant, Tucker, GA*
- Phillip Ortiz, Ph.D., *Empire State College, Saratoga Springs, NY*
- Ilenys Perez-Diaz, Ph.D., *USDA-ARS, Raleigh, NC*
- Laurel Southard, Ph.D., *Cornell University, Ithaca, NY*
- Jacaranda Van Rheenen, Ph.D., *St. Jude Children's Research Hospital, Memphis, TN*

ABRCMS Judging Rubric – Poster & Oral Presentations

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SCORE	HYPOTHESIS AND/OR STATEMENT OF PROBLEM	METHODS AND CONTROLS/ COMPARISON	RESULTS	CONCLUSION AND FUTURE WORK
1	<ul style="list-style-type: none"> The hypothesis/statement of problem was inappropriate or was missing Little or no background information was included or connected Goal of project was not stated 	<ul style="list-style-type: none"> Methods section missing Serious lack of controls of discussion of controls 	<ul style="list-style-type: none"> Results are not yet available or reproducible Presentation of data was missing 	<ul style="list-style-type: none"> Conclusions were missing There was no connection with the hypothesis
2	<ul style="list-style-type: none"> A questionable hypothesis/statement of problem was presented and was not necessarily supported Some relevant background information was included, but not connected Goal of project was not clear 	<ul style="list-style-type: none"> No discussion of choice of methods Controls or comparative groups not adequately described; some appropriate controls or groups were missing 	<ul style="list-style-type: none"> Some data were lacking/not fully sufficient to address the hypothesis Presentation of data was included, but unclear or difficult to comprehend 	<ul style="list-style-type: none"> Conclusions were given Little connection with the hypothesis was apparent
3	<ul style="list-style-type: none"> A questionable hypothesis/statement of problem was presented Background information was relevant, but connections were not made Goal of project was stated understandably 	<ul style="list-style-type: none"> Little comment on why the methods were chosen and others not chosen Adequate discussion of controls or comparative groups; some significant controls or comparative groups were lacking 	<ul style="list-style-type: none"> Adequate amounts of reasonably good data were presented to address the hypothesis Presentation of data was not entirely clear 	<ul style="list-style-type: none"> Reasonable conclusions were given Conclusions were not compared to the hypothesis, and their relevance was not discussed
4	<ul style="list-style-type: none"> A logical hypothesis/statement of problem was presented Background information was relevant, but connections were not clear Goal of project was stated clearly; showed relevance beyond project 	<ul style="list-style-type: none"> Good explanation of choice of methods Clear discussion of controls or comparative groups; most controls or comparative groups were included 	<ul style="list-style-type: none"> Sufficient amounts of good data were presented to address the hypothesis Presentation of data was clear and logical 	<ul style="list-style-type: none"> Reasonable conclusions were given and supported with evidence Conclusions were compared to hypothesis, but their relevance was not discussed
5	<ul style="list-style-type: none"> A logical hypothesis/statement of problem was presented clearly Background information was relevant and summarized well. Connections to previous literature and broader issues were clear Goal of project was stated clearly and concisely; showed clear relevance beyond project 	<ul style="list-style-type: none"> Thorough explanation of why particular methods were chosen Clear discussion of controls or comparative groups; all appropriate controls or comparative groups were included 	<ul style="list-style-type: none"> Substantial amounts of high quality data were presented sufficiently to address the hypothesis Presentation of data was clear, thorough, and logical 	<ul style="list-style-type: none"> Reasonable conclusions were given and strongly supported with evidence Conclusions were compared to hypothesis and their relevance in a wider context was discussed

SCORE	OVERALL PRESENTATION & HANDLING QUESTIONS	POSTER BOARD OR POWERPOINT PRESENTATION	UNDERSTANDING INTERDISCIPLINARY SCIENCES (OPTIONAL)
1	<ul style="list-style-type: none"> Does not demonstrate any knowledge of the research project Reads from the poster (slide or script) all the time Does not use the available visual aid to enhance presentation Does not understand questions Presentation is very confusing 	<ul style="list-style-type: none"> Some of the expected components are present, but poorly laid out and confusing to follow in the absence of the presenter. The text is hard to read, messy and illegible, and contains multiple spelling or typographical errors very poor background The figures and tables are poorly done Visual aids are not used 	<p>Student views the problem or research question from a single discipline:</p> <ul style="list-style-type: none"> Methods developed within a single discipline Analyses commonly used within a single discipline Discovery results from knowledge within a discipline Discovery advances a single discipline Discovery impacts a single discipline
2	<ul style="list-style-type: none"> Demonstrates poor knowledge of the research project Reads from the poster (slide or script) most of the time Does not use the available visual aid to enhance presentation effectively Has difficulty answering questions Presentation is unclear 	<ul style="list-style-type: none"> Some of the expected components are present, but layout is untidy and confusing to follow in the absence of the presenter The text is hard to read due to font size or color and inconsistently free of spelling or typographical errors; the background may be distracting The figures and tables are not related to the text, or are not appropriate, or are poorly labeled Photographs/tables/graphs are limited and do not improve understanding of the project 	<p>Student views the problem or research question from another discipline:</p> <ul style="list-style-type: none"> Methods developed in another discipline, but commonly used in your discipline Analyses developed in another discipline, but commonly used in your discipline Discovery results from knowledge within a discipline, but influenced by different discipline Discovery advances a single discipline, but broader influence is recognized Discovery impacts a single discipline, but broader influence is recognized
3	<ul style="list-style-type: none"> Demonstrates some knowledge of the research project Reads from the poster (slide or script) some of the time Uses some visual aids to enhance the presentation Has some difficulty answering challenging questions Presentation is generally unclear and inconsistent 	<ul style="list-style-type: none"> Most of the expected components are present, but layout is confusing to follow in the absence of presenter The text is relatively clear and legible, but inconsistently free of spelling or typographical errors; the background may be distracting The figures and tables are not always related to the text or appropriate, or are labeled incorrectly Photographs/table/graphs do not improve understanding 	<p>Student connects the problem or research question using more than one established discipline:</p> <ul style="list-style-type: none"> Methods developed in another established discipline but connected to your discipline Analyses developed in another established discipline but connected to your discipline Discovery results from knowledge connecting more than established discipline Discovery connects more than one established discipline Discovery impacts more than one established discipline
4	<ul style="list-style-type: none"> Demonstrates a good knowledge of the research project Speaks clearly and naturally; makes eye contact Uses visual aids to enhance the presentation Answers most questions Presentation is clear for the most part, but not consistently 	<ul style="list-style-type: none"> All expected components are present, but layout is crowded or jumbled and somewhat confusing to follow in the absence of presenter The text is relatively clear, legible, and mostly free of spelling or typographical errors; the background is unobtrusive Most of the figures and tables are appropriate and labeled correctly Photographs/tables/graphs improve understanding 	<p>Student integrates the problem or research question from more than one discipline:</p> <ul style="list-style-type: none"> Methods developed in more than one discipline are integrated Analyses developed in more than one discipline are integrated Discovery results from knowledge integrated from more than one discipline Discovery integrates more than one discipline Discovery impacts more than one discipline
5	<ul style="list-style-type: none"> Demonstrates a very strong knowledge of the research project Speaks clearly, naturally and with enthusiasm; makes eye contact Comfortably uses visual aids to enhance presentation Answers difficult questions clearly and succinctly Presentation is consistently clear and logical 	<ul style="list-style-type: none"> All expected components are present, clearly laid out, and easy to follow in the absence of presenter The text is concise, legible, and consistently free of spelling or typographical errors; the background is unobtrusive The figures and tables are appropriate and consistently labeled correctly Photographs/tables/graphs improve understanding and enhance the visual appeal 	<p>Student uses more than one discipline to radically change understanding of an important or existing concept or practice or to provide pathways to new frontiers:</p> <ul style="list-style-type: none"> Methods using more than one discipline are novel Analyses using more than one discipline are new Discovery results from knowledge in more than one discipline transforming that discipline Discovery integrates more than one discipline creating a new discipline Discovery impacts more than one discipline by creating a new paradigm or frontier

Aaron, LaTayia	Cancer Biology: Cancer Biology	C205
Abam, Cynthia A.	Biochemistry: Metabolism	B193
Abbot, Kazim R.	Engineering, Physics & Mathematics: Mathematics	C122
Abdelnabi, Kareem H.	Neuroscience: Neuroscience	C053
Abundis, Christina	Microbiology: Bacteriology (Grad/Awardee Section)	C001
Acevedo, Ariette	Molecular & Computational Biology: Genomics	E076
Acha-Morfaw, Meinkeng S.	Biochemistry: Biochemistry	F182
Achampong, Ama Y.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	F001
Adabi, Bitu	Engineering, Physics & Mathematics: Material Sciences	E116
Adabi, Omid	Cell Biology: Cell Biology	G162
Adams, Constants	Physiology: Physiology	B047
Addo, Rachel	Cancer Biology: Cancer Biology (Grad/Awardee Section)	G020
Adekoya, Wale D.	Cell Biology: Cell Biology	E151
Adekunle, Danielle A.	Cancer Biology: Cancer Biology	F173
Adesanya, Omoluyi E.	Engineering, Physics & Mathematics: Bioengineering	F107
Adorno, Valery	Biochemistry: Biochemistry	A192
Adu-Labi, Kofi	Engineering, Physics & Mathematics: Biostatistics (Grad/Awardee Section)	B020
Adun, Eseoghene	Engineering, Physics & Mathematics: Nanotechnology	A117
Aghedo, Samson I.	Neuroscience: Neuroscience	C049
Agosto, Pierina D.	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	B005
Aguilar, Miriam	Developmental Biology & Genetics: Genetics	C143
Aguilera, Elizabeth	Cell Biology: Cell Biology	F152
Aguilera, Laura	Engineering, Physics & Mathematics: Bioengineering	G107
Agyemang, Linda	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B027
Ahiakonu, Priscilla K.	Developmental Biology & Genetics: Developmental Biology	F118
Aimable, Maurisa N.	Developmental Biology & Genetics: Genetics	D130
Akindoju, Feyisayo O.	Cell Biology: Plant Biology	A161
Akusobi, Chidiebere D.	Microbiology: Virology	O77
Albertorio-Saez, Liz M.	Molecular & Computational Biology: Genomics	A075
Alexander, Frazly K.	Cancer Biology: Cancer Biology	G168
Alexander, Joel J.	Molecular & Computational Biology: Genomics	F074
Alexander, Spenser C.	Biochemistry: Biochemistry	B179
Alexander, Teressa M.	Engineering, Physics & Mathematics: Biophysics	E109
Alexander, Turquoise	Biochemistry: Biochemistry (Grad/Awardee Section)	B007
Alexandrescu, Anamaria	Neuroscience: Neurobiology	F057
Alfaro Quezada, Jose E.	Neuroscience: Neuroscience	A055
Ali, Abdifatah A.	Social & Behavioral Sciences & Public Health: Psychology	B040
Alicea, Kevin M.	Physiology: Endocrinology	F051
Allen, Essick T.	Molecular & Computational Biology: Bioinformatics	G074
Allen, Jamaal E.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	F007
Allen, Jasmine L.	Cancer Biology: Cancer Biology	F177
Allen, Jawara A.	Developmental Biology & Genetics: Genetics	B127
Allen, Jordan	Engineering, Physics & Mathematics: Material Sciences	B117
Allen, Kacie	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	B001
Allette, Kimaada	Physiology: Systems Biology	F046
Almodovar-Cruz, Janice M.	Cell Biology: Molecular Imaging	C175
Alston, Danny	Biochemistry: Structural Biology	C220
Alvarado-Velez, Melissa	Physiology: Pharmacology	O43
Alvarez, George E.	Biochemistry: Biochemistry	D185
Amama, Nsiong	Molecular & Computational Biology: Genomics	A074
Amarquaye, D. K.	Physiology: Physiology	G050
Amiri, Sunita	Neuroscience: Neuroscience	E057
Anakwenze, Chdinma P.	Engineering, Physics & Mathematics: Bioengineering	A107
Anderson, Courtney M.	Cancer Biology: Cancer Biology	A176
Andrie, Elena	Cell Biology: Cell Biology	A163
Andrus, Johnathan J.	Cell Biology: Cell Biology	C176

Angeles Albores, David	Molecular & Computational Biology: Proteomics	O82
Anthony, Melissa	Chemistry: Environmental Chemistry	D147
Antunes, Lilian	Molecular & Computational Biology: Genomics	O81
Aponte, Nicole A.	Developmental Biology & Genetics: Developmental Biology	O67
Arhin, Roger	Physiology: Pharmacology	F048
Arias, Renee	Neuroscience: Neuroscience	B057
Arndt, Sierra	Biochemistry: Biochemistry	F189
Arnett, Jalissa	Chemistry: Environmental Chemistry	A147
Arroyo Pacheco, Alejandro D.	Molecular & Computational Biology: Proteomics	B071
Artis, Monica	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	G023
Asqiriba, Karim	Cancer Biology: Cancer Biology	C191
Atkins, Sterling	Developmental Biology & Genetics: Evolution & Developmental Biology	G122
Augustin, Divinda	Social & Behavioral Sciences & Public Health: Psychology	A027
Austin, Natalie	Engineering, Physics & Mathematics: Bioengineering	E108
Aviles-Pagan, Emir E.	Biochemistry: Biochemistry	D193
Awe, Olubusayo A.	Biochemistry: Metabolism (Grad/Awardee Section)	A002
Ayala, Daniel	Microbiology: Environmental Microbiology	G095
Ayala, Jesus M.	Developmental Biology & Genetics: Developmental Biology	E130
Ayala, Oscar D.	Microbiology: Parasitology	O29
Ayala-Fontanez, Nilmarie	Neuroscience: Neurobiology	A054
Ayub, Asha	Neuroscience: Neurobiology	G055
Aziz, Idris J.	Physiology: Physiology	E042
Badillo-Rivera, Keyla M.	Immunology: Immunology	D101
Bailetti, Alessandro A.	Physiology: Systems Biology	B052
Bailey, James E.	Cancer Biology: Cancer Biology	E167
Baker, Breeana	Cell Biology: Cell Biology	B157
Baldauf, Ashley M.	Chemistry: Pharmaceutical Chemistry	A141
Ballard, Alexander N.	Immunology: Immunology	E104
Baltazar, Grober	Developmental Biology & Genetics: Developmental Biology	G130
Bandaogo, Zeekanapi	Neuroscience: Neurobiology	F053
Bandon-Bibum, Chrysantus	Engineering, Physics & Mathematics: Bioengineering	D108
Baptista, Diego	Biochemistry: Biochemistry (Grad/Awardee Section)	C013
Barcelo, Bianca	Cell Biology: Cell Biology	C170
Barfield, Brittany J.	Chemistry: Organic Chemistry	E148
Barns, Caryn	Immunology: Immunology	G101
Barnum, Megan	Engineering, Physics & Mathematics: Bioengineering	F115
Barranco, Angel L.	Chemistry: Organic Chemistry	B150
Barry, Jan-Alexis	Microbiology: Parasitology	F082
Bartlette, Victoria H.	Biochemistry: Biochemistry	G182
Bartley, Shelton	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	F018
Baruti, Omari	Engineering, Physics & Mathematics: Bioengineering	F111
Batarse, Anthony R.	Neuroscience: Neurobiology	E053
Bates, Nik-Cole M.	Developmental Biology & Genetics: Developmental Biology	F119
Batin, Danielle M.	Social & Behavioral Sciences & Public Health: Psychology	E025
Bazile, Cassandra A.	Molecular & Computational Biology: Proteomics	B070
Beasley, Amber	Immunology: Immunology	D103
Beauge, Jennifer D.	Biochemistry: Biochemistry	E190
Bechay, Kirolos R.	Microbiology: Bacteriology	O80
Begay, Rene L.	Physiology: Endocrinology	B050
Bejarano, Dennis D.	Developmental Biology & Genetics: Evolution & Developmental Biology	F127
Bell, Tiffany N.	Developmental Biology & Genetics: Developmental Biology	F132
Bella, Terri D.	Cancer Biology: Cancer Biology	E175
Beltran-Raygoza, Nishdallyh	Chemistry: Inorganic Chemistry	E134
Bennett, Kahryl G.	Microbiology: Bacteriology	D080
Benson, Allen	Chemistry: Organic Chemistry	D144
Berhaneslassie, Bezawit	Cancer Biology: Cancer Biology	C189

Bermudez, Jaclyn	Biochemistry: Biochemistry	C217
Betson, Nicole E.	Physiology: Physiology	D051
Bhargava, Pallavi	Biochemistry: Structural Biology	E184
Bikorimana, Emmanuel	Microbiology: Microbial Physiology	F083
Bischoff, Christina M.	Physiology: Pharmacology	F045
Bitterwolf, Stephan	Molecular & Computational Biology: Computational Biology	F069
Blanchard, Tierra A.	Developmental Biology & Genetics: Genetics	G123
Bland, Patrice L.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C031
Blood, Allisha	Chemistry: Analytical Chemistry	C149
Blosser, Emily G.	Immunology: Immunology (Grad/Awardee Section)	E022
Boateng, Abigail	Microbiology: Mycology	D090
Boden, Kacie	Physiology: Nutrition	C041
Bogran, Orlando A.	Microbiology: Parasitology	G090
Bohn, Jennifer	Biochemistry: Structural Biology	E185
Bolds, Aaron	Biochemistry: Biochemistry	B187
Boli, Paule M.	Microbiology: Bacteriology	C092
Bolivar, Steven	Microbiology: Environmental Microbiology	A092
Bolton, LaDena A.	Engineering, Physics & Mathematics: Nanotechnology (Grad/Awardee Section)	E010
Bordon, Jennifer J.	Social & Behavioral Sciences & Public Health: Psychology	F026
Borges, Amaris C.	Chemistry: Inorganic Chemistry	E146
Borrajó, Jacob D.	Engineering, Physics & Mathematics: Bioengineering	E113
Borthwell, Rachel M.	Physiology: Physiology	D049
Bosques, Linette	Molecular & Computational Biology: Proteomics (Grad/Awardee Section)	F012
Bost, Darrian D.	Cancer Biology: Cancer Biology	D169
Boursiquot, Samanta	Neuroscience: Neuroscience	D059
Bowen, Kimberli S.	Biochemistry: Biochemistry	B180
Bowling, Michael	Microbiology: Bacteriology	D079
Bowman, Bradley E.	Cancer Biology: Cancer Biology	C192
Boyson, Demetrius M.	Engineering, Physics & Mathematics: Bioengineering	D117
Bozeman, Erica	Immunology: Immunology (Grad/Awardee Section)	E006
Brace, Kelin	Chemistry: Pharmaceutical Chemistry	D146
Bradford, Jessica C.	Physiology: Physiology	D047
Bradley, Kori	Cancer Biology: Cancer Biology	F165
Bradley, Lyndsey M.	Cancer Biology: Cancer Biology	B178
Bradshaw, Tancia W.	Physiology: Physiology	C036
Braham, Julaine	Immunology: Immunology	D104
Bratcher, Meagan M.	Developmental Biology & Genetics: Developmental Biology	E132
Brickler, David	Molecular & Computational Biology: Computer Sciences	C079
Briers, Demarcus	Engineering, Physics & Mathematics: Nanotechnology	C129
Brito, Elizabeth	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E038
Broadnax, Alexandria L.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E037
Brogdon, Hazel D.	Cell Biology: Cell Biology	C184
Brooks, Dwayne M.	Engineering, Physics & Mathematics: Mathematics	C118
Brown, Alexis J.	Immunology: Immunology	D099
Brown, Ana' M.	Immunology: Immunology	E102
Brown, April L.	Social & Behavioral Sciences & Public Health: Psychology	F034
Brown, Ariel	Microbiology: Parasitology (Grad/Awardee Section)	A005
Brown, Cameron	Biochemistry: Biochemistry	F186
Brown, Daphine	Biochemistry: Biochemistry	A193
Brown, De'Lorien J.	Neuroscience: Psychobiology	G061
Brown, Desmond A.	Developmental Biology & Genetics: Developmental Biology (Grad/Awardee Section)	E007
Brown, Isola A.	Cell Biology: Molecular Imaging	O58
Brown, Jamelle	Biochemistry: Metabolism	A179
Brown, Jonathan L.	Cancer Biology: Cancer Biology	C187
Brown, Joshua D.	Biochemistry: Biochemistry	F180
Brown, Lanisha R.	Microbiology: Bacteriology	A079

Brown, Larekia	Cancer Biology: Cancer Biology	D167
Brown, Lionel	Chemistry: Analytical Chemistry	G139
Brown, Marsalis C.	Microbiology: Bacteriology	G080
Browne, Desmond S.	Developmental Biology & Genetics: Developmental Biology	G125
Browning-Bent, Jodi-Ann K.	Developmental Biology & Genetics: Evolution & Developmental Biology	C131
Brunner, Andrew M.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	F021
Bryant, Relena R.	Cancer Biology: Cancer Biology	D174
Bryant, Steven A.	Microbiology: Environmental Microbiology (Grad/Awardee Section)	E013
Buchannon, Magnoria	Social & Behavioral Sciences & Public Health: Psychology	G035
Buie, Joy J.	Immunology: Immunology (Grad/Awardee Section)	C017
Bureau, Christian	Molecular & Computational Biology: Computational Biology	B074
Burgess, Kimberly	Physiology: Toxicology	C046
Burkett, Amber M.	Microbiology: Microbial Physiology	D085
Burnett, Krystan O.	Microbiology: Bacteriology	E082
Burnett, Nicketa C.	Cancer Biology: Cancer Biology	G175
Burris, Nijah M.	Chemistry: Analytical Chemistry	G143
Busaileh, Sara	Engineering, Physics & Mathematics: Bioengineering	A113
Busby, Theodore	Neuroscience: Neurobiology	A053
Butler, Abraham R.	Cancer Biology: Cancer Biology	C201
Butt, Bilal B.	Molecular & Computational Biology: Proteomics	B068
Byrd, Aria L.	Immunology: Immunology	C108
Byrd, Darrica	Developmental Biology & Genetics: Developmental Biology	F130
Cabrera, Daniel	Neuroscience: Neuroscience	G067
Cabrera, Lilian	Neuroscience: Psychobiology	D065
Cadney, Marcell D.	Developmental Biology & Genetics: Evolution & Developmental Biology	C136
Cajamarca, Steven A.	Biochemistry: Structural Biology	B181
Callejas, Andrei	Chemistry: Organic Chemistry	O64
Calzada, Elizabeth	Microbiology: Parasitology	A085
Camacho, Emanuel	Molecular & Computational Biology: Bioinformatics	G075
Camacho, Yuridiana	Physiology: Systems Biology	C042
Campbell, Destina S.	Physiology: Anatomy	A044
Campbell, Edgar A.	Cancer Biology: Cancer Biology	B165
Campo Garcia, Juliana	Neuroscience: Neurobiology	B056
Campos, Rosa A.	Physiology: Physiology	F050
Canales, Klondy K.	Immunology: Immunology	E103
Cannady, Jessica	Social & Behavioral Sciences & Public Health: Psychology	E033
Cardinale, Ryan C.	Neuroscience: Neuroscience	O40
Cardona, Griselda	Engineering, Physics & Mathematics: Bioengineering	A108
Cardona, Jaime	Developmental Biology & Genetics: Evolution & Developmental Biology	B119
Cardoza, Jacare	Developmental Biology & Genetics: Developmental Biology	B121
Carlos, Kathleen M.	Cell Biology: Molecular Imaging	C172
Carmona, Ellese	Microbiology: Microbial Physiology	B094
Carranza, Francisco G.	Developmental Biology & Genetics: Evolution & Developmental Biology	F123
Carrasco, Jennifer Y.	Developmental Biology & Genetics: Developmental Biology	G129
Carreon, Teresia A.	Biochemistry: Structural Biology	C210
Carswell, Jessica	Biochemistry: Biochemistry	O50
Carter, Princess	Cancer Biology: Cancer Biology	B173
Case, Jacob M.	Chemistry: Environmental Chemistry	G141
Casterlow, Samantha A.	Microbiology: Bacteriology (Grad/Awardee Section)	F011
Castillo, Jonathan	Microbiology: Bacteriology	E089
Castilloveitia-Vega, Gloria L.	Biochemistry: Biochemistry	E191
Castro, Lance	Biochemistry: Biochemistry	C221
Castro-Faix, Moraima	Immunology: Immunology (Grad/Awardee Section)	B017
Castro-Rivera, Cristina M.	Developmental Biology & Genetics: Genetics	F125
Castroddad, Carlos A.	Chemistry: Pharmaceutical Chemistry	B146
Cato, Mike	Chemistry: Pharmaceutical Chemistry (Grad/Awardee Section)	D006

Ceant, Wen-kuni	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	G026
Chambers, Danielle	Cell Biology: Plant Biology	E161
Chambers, Eboni D.	Cancer Biology: Cancer Biology	G169
Chambers, Stacey	Social & Behavioral Sciences & Public Health: Sociology	F037
Chan, Susana	Cell Biology: Molecular Imaging	B161
Chasten, Charnell R.	Neuroscience: Neuroscience (Grad/Awardee Section)	A018
Chavis, John T.	Biochemistry: Structural Biology	G189
Cheatham, Aaron	Cancer Biology: Cancer Biology	A165
Cheatham, Amber M.	Microbiology: Virology	C089
Cheek, Everett A.	Physiology: Physiology	C039
Chen, Jingxun	Cell Biology: Cell Biology	F157
Chen, Lihui	Social & Behavioral Sciences & Public Health: Psychology	F039
Chestnut, Frank	Developmental Biology & Genetics: Developmental Biology	C132
Chew, Chanel N.	Neuroscience: Neuroscience	E059
Chidyausiku, Tamuka M.	Biochemistry: Structural Biology	E189
Chioma, Vivian	Neuroscience: Neuroscience	O88
Chirino, Leilani M.	Cancer Biology: Cancer Biology	A170
Chisolm, Danielle A.	Microbiology: Bacteriology	C096
Chris-Ukah, Johnstanley C.	Physiology: Nutrition	B045
Christie, Stephanie N.	Cell Biology: Cell Biology	D155
Chukwunke, Jeffrey	Developmental Biology & Genetics: Genetics	G120
Cielto, Janene	Social & Behavioral Sciences & Public Health: Psychology	O93
Cintron, Gabriel	Chemistry: Organic Chemistry	B135
Cintron-Valentin, Myrna	Social & Behavioral Sciences & Public Health: Psychology	D030
Claiborne, Tavina L.	Molecular & Computational Biology: Computational Biology	A069
Clancey-Rivera, Marie G.	Developmental Biology & Genetics: Developmental Biology	A131
Clark, Amanda D.	Cancer Biology: Cancer Biology	F171
Clark, Crystal	Developmental Biology & Genetics: Genetics	G131
Clark, Elisia	Physiology: Pharmacology	O44
Clark, Lakhia N.	Chemistry: Environmental Chemistry	F138
Claxton, Angelica	Cell Biology: Cell Biology	A158
Coates, Jessica L.	Developmental Biology & Genetics: Evolution & Developmental Biology	C137
Cobb, Ariel	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B037
Coffey, Alisha	Biochemistry: Biomolecules	C209
Collins, Rondessa	Chemistry: Organic Chemistry	A138
Collins, Shamara	Engineering, Physics & Mathematics: Material Sciences	B106
Colon-Rodriguez, Sonivette	Chemistry: Organic Chemistry	D150
Combs, Alexis	Cancer Biology: Cancer Biology	B167
Comiso, Eunice	Biochemistry: Biochemistry	A182
Conti, Jennifer	Molecular & Computational Biology: Proteomics	B073
Cooke, Kierra	Cancer Biology: Cancer Biology	O55
Coppadge, Joel V.	Engineering, Physics & Mathematics: Mathematics	D115
Coradin, Mariel	Microbiology: Environmental Microbiology	D083
Cordova, Adriana	Microbiology: Virology	E085
Core, Jasmine	Social & Behavioral Sciences & Public Health: Psychology	G037
Coria, Roky	Cell Biology: Plant Biology	B158
Correa, Ana I.	Developmental Biology & Genetics: Evolution & Developmental Biology	A123
Cowins, Janet V.	Engineering, Physics & Mathematics: Nanotechnology (Grad/Awardee Section)	D012
Cox, Brittany	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A024
Crawford, Kristopher V.	Engineering, Physics & Mathematics: Material Sciences	F113
Creel, Jessica S.	Cancer Biology: Cancer Biology	A174
Creighton, Tramaine C.	Physiology: Pharmacology	G041
Crespo, Stephanie	Microbiology: Parasitology	B095
Crooke, Adrienne	Microbiology: Microbial Physiology	A080
Crouch, Theo	Molecular & Computational Biology: Bioinformatics	C080
Cruz, Didiana	Neuroscience: Neurobiology	F062

Cruz- Bracero, Jennifer	Physiology: Endocrinology	A049
Cruz-Acuna, Melissa	Chemistry: Organic Chemistry	C166
Cruz-Acuna, Ricardo	Immunology: Immunology	D098
Cruz-Lebron, Norbert J.	Neuroscience: Neuroscience	A064
Cubero-Rodriguez, Sheila F.	Microbiology: Environmental Microbiology	E091
Cunningham, Tiara	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A039
Curry, Adrian L.	Social & Behavioral Sciences & Public Health: Psychology	B025
da Costa, Goldie E.	Microbiology: Microbial Physiology	B087
Dailey, Fiona	Physiology: Toxicology	D044
Daly, Devin M.	Cancer Biology: Cancer Biology	D178
Damisse, Jean D.	Microbiology: Virology	E095
Dampthey, Ransford K.	Engineering, Physics & Mathematics: Bioengineering	B113
Daniels, Christine N.	Cancer Biology: Cancer Biology	A173
Darling, Chelsi B.	Social & Behavioral Sciences & Public Health: Psychology	A023
Dasi, Erica A.	Cell Biology: Cell Biology	D158
Davalos-Morinigo, Anibal	Chemistry: Organic Chemistry	F147
Davatulhagh, Felicia	Microbiology: Bacteriology	F092
Davids, Benem A.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A032
Davila, Alec	Biochemistry: Metabolism	D191
Davila, Marlyn S.	Neuroscience: Neurobiology (Grad/Awardee Section)	A020
Davis, Brittany L.	Developmental Biology & Genetics: Genetics	D124
Davis, Brittny	Chemistry: Physical Chemistry (Grad/Awardee Section)	E004
Davis, Floyd R.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	G011
Davis, Hanifah	Physiology: Pharmacology	B042
Davis-Reyes, Brionna D.	Social & Behavioral Sciences & Public Health: Psychology	F025
Davy, Orlando J.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C025
De Jesus, Angelica	Neuroscience: Psychobiology	O38
De Jesus, Catherine M.	Molecular & Computational Biology: Genomics	D072
De Jesus Sosa, Maria A.	Biochemistry: Biochemistry	E193
De La Cruz Rivera, Pamela C.	Biochemistry: Structural Biology	F185
de Paz, Alexandra M.	Biochemistry: Structural Biology	C216
Debrady, Edward J.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C030
Deekae, Julalak	Microbiology: Bacteriology	A093
Deiab, Shihab E.	Neuroscience: Neuroscience (Grad/Awardee Section)	F019
Del Cid, Joselyn S.	Cell Biology: Cell Biology	A159
Del Cid, Wilmer A.	Neuroscience: Neuroscience	A059
DelaO Hernandez, Jose H.	Chemistry: Inorganic Chemistry	E145
Delcont, Mellissa R.	Cancer Biology: Cancer Biology	A172
Deleon, Cesar A.	Chemistry: Physical Chemistry	D143
Delgado, Loruhamma M.	Chemistry: Organic Chemistry	E139
Della, Denise P.	Immunology: Immunology	C105
Demery, Amber A.	Social & Behavioral Sciences & Public Health: Psychology	A040
Derricotte, Wallace	Chemistry: Physical Chemistry	D136
Deters, Kacie	Neuroscience: Neuroscience (Grad/Awardee Section)	F005
Dhanraj, Daryl	Molecular & Computational Biology: Genomics	G072
Diallo, Fatoumata B.	Molecular & Computational Biology: Bioinformatics	O83
Diaz, Adriana O.	Microbiology: Virology (Grad/Awardee Section)	A014
Diaz, Carolyn	Neuroscience: Neurobiology	B053
Diaz, Karina	Microbiology: Microbial Physiology	D088
Diaz, Stephanie G.	Social & Behavioral Sciences & Public Health: Sociology	G040
Diaz-Diaz, Lymarie M.	Cancer Biology: Cancer Biology	F166
Dickenson, Samantha-Rae	Physiology: Physiology	D048
Diép, Jonathan	Molecular & Computational Biology: Proteomics	O35
Diggs, Ronald E.	Molecular & Computational Biology: Computer Sciences	C081
Dixon, Maria	Cancer Biology: Cancer Biology (Grad/Awardee Section)	B018
Dolly, Janaye A.	Microbiology: Bacteriology	D084

Dolor, Aaron	Engineering, Physics & Mathematics: Nanotechnology	C127
Dominguez, Eddie	Developmental Biology & Genetics: Genetics	A126
Don-Salu-Hewage, Ayesha S.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	G008
Donley, Jasmine C.	Cell Biology: Cell Biology	F162
Donnelly, Gabrielle	Biochemistry: Biomolecules	O03
Dorante, Scott	Physiology: Nutrition	G045
Dore, Shenelle N.	Cell Biology: Molecular Imaging	G159
Dorizan, Schnaude	Neuroscience: Neuroscience	E064
Dorta, Aisha M.	Developmental Biology & Genetics: Developmental Biology	C145
Dossou-Kitti, Edwige	Chemistry: Pharmaceutical Chemistry	F141
Douglas, Jadore A.	Physiology: Pharmacology	D050
Dover, Jasmine L.	Biochemistry: Biochemistry	E187
Dowdle, Megan	Cell Biology: Cell Biology	E155
Dua-Awerh, Martha B.	Microbiology: Virology	D091
Duarte, Catherine	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A026
DuBose, Evan S.	Chemistry: Analytical Chemistry	D137
Duckworth, Keiera	Physiology: Pharmacology	E044
Dumas, Sabrina	Biochemistry: Metabolism	C208
Dumbuya, Hawasatu	Cancer Biology: Cancer Biology	F170
Duncan, Anthony T.	Chemistry: Organic Chemistry	F140
Duncan, Skyla A.	Neuroscience: Neuroscience	C051
Dunmoodie, Ricardo A.	Cell Biology: Molecular Imaging	D162
Durity, Marcia	Cancer Biology: Cancer Biology	A169
Dwomor, Leticia	Molecular & Computational Biology: Proteomics	E078
Dykes, Keshia	Biochemistry: Biochemistry	D182
Earby, Chelsea A.	Physiology: Pharmacology	C034
Echendu, Vivienne	Developmental Biology & Genetics: Developmental Biology	G118
Edeh, Onyinye	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	G007
Edmond, Randal	Developmental Biology & Genetics: Evolution & Developmental Biology	F122
Edmondson, Rasheena D.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	E021
Edwards, Terrence S.	Molecular & Computational Biology: Computer Sciences	B072
Eke, Charles	Biochemistry: Biochemistry	D179
Eleanya, Chinedu D.	Microbiology: Virology	F089
Elhelu, Loubna K.	Cell Biology: Cell Biology	B159
Elliott, Jabari I.	Cell Biology: Cell Biology (Grad/Awardee Section)	A010
Ellis, Felicia	Chemistry: Environmental Chemistry (Grad/Awardee Section)	C018
Encarnacion, Gilbert	Engineering, Physics & Mathematics: Biophysics	C121
Enriquez, Vanessa A.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	F004
Epps, Ayunna K.	Chemistry: Organic Chemistry	G135
Escajadillo, Tamara	Biochemistry: Biomolecules	E180
Escobar, Erika	Biochemistry: Biomolecules	G180
Escobar, Jacqueline V.	Microbiology: Environmental Microbiology	B088
Espallat, Mel Pilar	Microbiology: Microbial Physiology (Grad/Awardee Section)	D001
Esquilin-Lebron, Karla J.	Engineering, Physics & Mathematics: Biophysics	A105
Estevez, Michael A.	Engineering, Physics & Mathematics: Bioengineering	G109
Eubanks, Haleigh B.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	F008
Evans, Ebone C.	Cancer Biology: Cancer Biology	E168
Evans, Rachel	Developmental Biology & Genetics: Genetics	G119
Eyualem, Eyob A.	Chemistry: Analytical Chemistry	C151
Fairley, Amber S.	Cancer Biology: Cancer Biology	E172
Farah, Said M.	Chemistry: Pharmaceutical Chemistry (Grad/Awardee Section)	F016
Fasanya, Henrietta O.	Immunology: Immunology	B098
Featherstone, Adrian	Chemistry: Pharmaceutical Chemistry	G138
Felder, Diamonique	Physiology: Systems Biology	F041
Felder, Katherine R.	Biochemistry: Biochemistry	A180
Ferguson, Danielle	Cell Biology: Molecular Imaging	F151

Ferguson, Ryan J.	Immunology: Immunology	B104
Fernandez, Almendra	Neuroscience: Neuroscience	D058
Fernandez, Ricardo J.	Developmental Biology & Genetics: Developmental Biology	C146
Fernandez Garcia, Meilin M.	Biochemistry: Biochemistry	C223
Ferrer-Gonzalez, Edgar F.	Microbiology: Environmental Microbiology	C098
Ferrer-Torres, Daysha	Cancer Biology: Cancer Biology	C200
Fields, Virgie S.	Developmental Biology & Genetics: Developmental Biology	E125
Fienin, Kouadio	Microbiology: Bacteriology	G085
Figueroa, Linnette L.	Neuroscience: Neurobiology	E061
Figueroa-Cuilan, Wanda M.	Biochemistry: Biochemistry	B188
Filonenko, Alexandra	Cell Biology: Molecular Imaging	E163
Finke, Jorge	Cancer Biology: Cancer Biology	E176
Fisher, James A.	Microbiology: Bacteriology	E083
Fitch, Briana	Cancer Biology: Cancer Biology	E171
Fleming, Nicole D.	Physiology: Physiology	C035
Fleming, Renee	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E023
Fletcher, Erin	Social & Behavioral Sciences & Public Health: Psychology	D034
Flood, Marquis D.	Biochemistry: Biochemistry	F190
Flores, Gabriel S.	Neuroscience: Neurobiology	G054
Flores, Julian	Neuroscience: Neurobiology	B059
Flores-Colon, Marienid	Cancer Biology: Cancer Biology	C186
Forrest, Osrice A.	Immunology: Immunology	C111
Fowajuh, Ann-Desdemonia N.	Neuroscience: Neuroscience	F065
Fowlkes, Vennece	Cell Biology: Cell Biology (Grad/Awardee Section)	G005
Fox, Jesse M.	Molecular & Computational Biology: Proteomics (Grad/Awardee Section)	D009
Francis, Mary E.	Social & Behavioral Sciences & Public Health: Psychology	B024
Francis, Michelle H.	Cancer Biology: Cancer Biology	E164
Franco, Karla P.	Chemistry: Organic Chemistry	A134
Franco, Manuel	Molecular & Computational Biology: Proteomics	B078
Franklin, Brittani N.	Physiology: Pharmacology	D045
Franklin, Tina C.	Neuroscience: Neurobiology (Grad/Awardee Section)	C007
Franqui, Reinaldo	Neuroscience: Neuroscience	O37
Fraser, Dwane	Physiology: Toxicology	E051
Frazier, Denarius A.	Immunology: Immunology	E100
Frazier, Willie C.	Physiology: Physiology	A046
Fuhr, Katherine Nicole	Molecular & Computational Biology: Computational Biology	A070
Fuller, Miles H.	Developmental Biology & Genetics: Developmental Biology (Grad/Awardee Section)	B004
Fuller, Sheraton	Cancer Biology: Cancer Biology	C199
Fullilove, Felicia A.	Chemistry: Organic Chemistry (Grad/Awardee Section)	C006
Fulton, Melody D.	Biochemistry: Biochemistry	G185
Furby, Rebecca L.	Physiology: Physiology	C037
Gabriel, John T.	Microbiology: Microbial Physiology	F081
Gagandeep Singh, FNU	Immunology: Immunology (Grad/Awardee Section)	G021
Gaibi, Ashla C.	Physiology: Anatomy	F044
Gallardo, Mark J.	Neuroscience: Psychobiology	G063
Gamboa Varela, Jacqueline	Chemistry: Organic Chemistry	C167
Gan, Zong Yuan	Cancer Biology: Cancer Biology	B171
Gant, Cortaiga A.	Physiology: Anatomy	D042
Garber, Williann	Social & Behavioral Sciences & Public Health: Psychology	E024
Garcia, Aileen M.	Chemistry: Pharmaceutical Chemistry	A143
Garcia, Ivan J.	Physiology: Endocrinology	G048
Garcia, Jose M.	Neuroscience: Neurobiology	E058
Garcia, Michelle	Cell Biology: Plant Biology	G152
Garcia, Miriam	Developmental Biology & Genetics: Developmental Biology	A132
Garcia, Rosa E.	Immunology: Immunology	O28
Garcia-Gonzalez, Aurian P.	Molecular & Computational Biology: Genomics	O33

Garcia-Peterson, Liz	Molecular & Computational Biology: Bioinformatics	F071
Garth, Jaleesa	Cell Biology: Plant Biology	A152
Gebre-Egziabher, Kibrom	Cell Biology: Cell Biology (Grad/Awardee Section)	D008
Gebrekrstos, Berkenesh T.	Microbiology: Bacteriology	D094
George, Akima S.	Molecular & Computational Biology: Bioinformatics	O34
George, Jasmine N.	Developmental Biology & Genetics: Evolution & Developmental Biology	D120
Ghadiri, Farsheed	Microbiology: Environmental Microbiology	G097
Ghali, Peter	Molecular & Computational Biology: Bioinformatics	C076
Ghebermical, Degian	Immunology: Immunology	F099
Ghidey, Meron	Microbiology: Virology	C101
Ghosh-Choudhury, Nayana	Cancer Biology: Cancer Biology	D173
Gilbert, Michael	Social & Behavioral Sciences & Public Health: Psychology	G033
Gillyard, KaNesha M.	Cancer Biology: Cancer Biology	G177
Gilmore, Kirsti R.	Chemistry: Analytical Chemistry	D149
Gilstrap, A'Tondra V.	Neuroscience: Neurobiology	O86
Glass-Holmes, Mashunte'	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	G010
Glenn, Odell L.	Engineering, Physics & Mathematics: Bioengineering (Grad/Awardee Section)	G013
Glover, Angelica	Biochemistry: Biochemistry	G193
Gomez, Juan L.	Neuroscience: Neuroscience (Grad/Awardee Section)	E019
Gonzales, Anna L.	Chemistry: Analytical Chemistry	B138
Gonzalez, Alejandro M.	Developmental Biology & Genetics: Developmental Biology	G128
Gonzalez, Arlene	Cell Biology: Cell Biology	B162
Gonzalez, Emmanuel	Physiology: Endocrinology	C045
Gonzalez, Inanllely	Chemistry: Organic Chemistry	O15
Gonzalez, Julian R.	Cell Biology: Cell Biology	C183
Gonzalez, Miguel A.	Engineering, Physics & Mathematics: Material Sciences (Grad/Awardee Section)	B015
Gonzalez, Rafael A.	Engineering, Physics & Mathematics: Bioengineering	A115
Gonzalez, Rosa	Social & Behavioral Sciences & Public Health: Psychology	E032
Gonzalez, Tracy	Engineering, Physics & Mathematics: Mathematics	A111
Gonzalez-Cortes, Darleen S.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	O45
Gonzalez-Fernandez, Gabriel J.	Neuroscience: Neuroscience	G064
Gordon, Rochelle D.	Social & Behavioral Sciences & Public Health: Psychology	D026
Gorham, Jackie D.	Developmental Biology & Genetics: Evolution & Developmental Biology	B123
Gowda, Hamsa N.	Engineering, Physics & Mathematics: Bioengineering	G117
Grain, Kole M.	Chemistry: Environmental Chemistry	F149
Grajales, Jose	Immunology: Immunology (Grad/Awardee Section)	A017
Granados, Valerie A.	Immunology: Immunology	C110
Grant, Rachel	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	G038
Grant, Shonnette F.	Microbiology: Bacteriology (Grad/Awardee Section)	B021
Gratia, Khrystia	Chemistry: Analytical Chemistry	F150
Graves, Casey A.	Physiology: Systems Biology	O41
Gray, Essanna S.	Immunology: Immunology	E099
Green, Carlos L.	Microbiology: Bacteriology	F080
Green, Da'Sean E.	Chemistry: Organic Chemistry	A140
Green, Geraldlyn	Engineering, Physics & Mathematics: Bioengineering	E110
Griffin, Merischia	Biochemistry: Biochemistry	F191
Griffith, Maia	Immunology: Immunology	E098
Griffith, Shelton D.	Molecular & Computational Biology: Bioinformatics (Grad/Awardee Section)	D017
Grigsby, Sierrah M.	Immunology: Immunology	O74
Gross, Aarion	Immunology: Immunology	D100
Grygorenko, Mariya	Physiology: Physiology	E050
Guardia, Talia	Immunology: Immunology	G100
Guerrero, Beatriz	Neuroscience: Psychobiology	C063
Guerrero, Jeffrey P.	Molecular & Computational Biology: Proteomics	A078
Gugsa, Frewine Z.	Developmental Biology & Genetics: Developmental Biology	F120
Guin, Erika M.	Microbiology: Bacteriology	F094

Gumbs, Angeliq	Chemistry: Organic Chemistry	D141
Gumm, Clarice	Physiology: Physiology (Grad/Awardee Section)	C003
Gupta, Shivali	Cancer Biology: Cancer Biology	C204
Gutierrez, Abraham	Microbiology: Mycology	F096
Gutierrez, Brandi M.	Cancer Biology: Cancer Biology	B170
Gutierrez, Eden S.	Molecular & Computational Biology: Proteomics	D068
Gutierrez, Josue R.	Developmental Biology & Genetics: Developmental Biology	A122
Gutierrez-Vargas, Cristina	Microbiology: Parasitology	E094
Gwengi, Martha	Engineering, Physics & Mathematics: Biophysics	E114
Hagood, Khalyle	Engineering, Physics & Mathematics: Mathematics	A110
Haile, Samuel	Immunology: Immunology (Grad/Awardee Section)	G003
Hailemariam, Sarem S.	Cancer Biology: Cancer Biology	A164
Hales, Jasmine R.	Molecular & Computational Biology: Bioinformatics	C073
Hall, Sakeli	Cell Biology: Cell Biology (Grad/Awardee Section)	G018
Halliday, Akacia K.	Microbiology: Bacteriology	D096
Hamann, Harold C.	Physiology: Physiology	O89
Hamilton, Cory E.	Molecular & Computational Biology: Proteomics	B075
Hammond, Asya	Biochemistry: Biochemistry	A187
Hampton, Chasity J.	Chemistry: Analytical Chemistry	B141
Hampton, Derell N.	Social & Behavioral Sciences & Public Health: Psychology	E040
Harden, Carol	Neuroscience: Neuroscience	A056
Hardwick, Shyla	Cell Biology: Cell Biology	F159
Hardy, Raven A.	Chemistry: Environmental Chemistry	A149
Hargis, Sarah E.	Physiology: Pharmacology	B046
Hargrove, Jac'quese E.	Physiology: Systems Biology	B051
Harrell, Alissa S.	Developmental Biology & Genetics: Developmental Biology	E118
Harris, Antoneicka	Cancer Biology: Cancer Biology (Grad/Awardee Section)	F013
Harris, Kenneth	Cancer Biology: Cancer Biology	D165
Harrison, Ariel C.	Physiology: Physiology	A041
Harrison, Danielle L.	Social & Behavioral Sciences & Public Health: Psychology	D040
Harrison, Jordan A.	Developmental Biology & Genetics: Genetics	E128
Harrison, Kristin	Chemistry: Pharmaceutical Chemistry	A133
Harrison, Krystal R.	Developmental Biology & Genetics: Evolution & Developmental Biology	G126
Hart, Madeline V.	Biochemistry: Biochemistry	E188
Hartman, Jaime R.	Chemistry: Organic Chemistry	E140
Hasan, Syeda N.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E030
Haugen, Brittany	Cancer Biology: Cancer Biology	F174
Hay, Alexia L.	Physiology: Physiology	E052
Hayes, Charles W.	Biochemistry: Biochemistry	F187
Hayes, Rachael	Microbiology: Bacteriology	E086
Haynes, Brittany	Developmental Biology & Genetics: Genetics	B120
Hays, Aislinn	Cell Biology: Cell Biology	O09
Henderson, Elizabeth T.	Biochemistry: Structural Biology	A181
Henderson, Essence J.	Physiology: Nutrition	G049
Henderson, Kendrick	Cancer Biology: Cancer Biology	C203
Henderson, Lauren	Chemistry: Pharmaceutical Chemistry	D140
Henderson, Renesha V.	Chemistry: Inorganic Chemistry	E144
Hendricks, Brielle T.	Physiology: Systems Biology	G047
Henegar, Taylor C.	Developmental Biology & Genetics: Developmental Biology	B129
Henley, Jordan L.	Microbiology: Mycology	F084
Henriques, Jabari H.	Chemistry: Pharmaceutical Chemistry	E136
Henry, Ashley	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	D027
Heredia, Jeremiah D.	Biochemistry: Biochemistry	A185
Hernandez, Genaro	Cell Biology: Cell Biology	O10
Hernandez, Liz J.	Chemistry: Analytical Chemistry	A136
Hernandez, Nicole S.	Microbiology: Bacteriology	F085

Hernandez, Peter C.	Microbiology: Bacteriology	F088
Hernandez-Burgos, Mayte	Cancer Biology: Cancer Biology	C194
Hernandez-Muniz, Jennifer	Engineering, Physics & Mathematics: Bioengineering	E105
Herrera, Aubrey V.	Microbiology: Bacteriology	E093
Herrera, Bobby Brooke	Immunology: Immunology	G099
Herrera, Harmin	Chemistry: Analytical Chemistry	O16
Herrera, Vicky A.	Neuroscience: Neurobiology	C060
Hibbert, Kemar K.	Chemistry: Organic Chemistry	E137
Hicks, Antoine M.	Cancer Biology: Cancer Biology	F167
Hicks, Jalil V.	Physiology: Endocrinology	F049
Hilaire, Jean-Rony	Chemistry: Environmental Chemistry	C158
Hill, Ashley V.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C028
Hill, Danielle C.	Social & Behavioral Sciences & Public Health: Psychology	A028
Hill, Melanie L.	Molecular & Computational Biology: Genomics	F072
Hill, Roshawn R.	Microbiology: Bacteriology	C102
Hines, Jasmine A.	Biochemistry: Biochemistry	C211
Hobley, Eboni	Engineering, Physics & Mathematics: Material Sciences	B111
Hoffner, Nicole	Microbiology: Virology	C082
Holiday, James E.	Social & Behavioral Sciences & Public Health: Psychology	E034
Hollingsworth, David W.	Social & Behavioral Sciences & Public Health: Psychology	C026
Hollman, Antoinessa	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	C023
Holloway, Christopher K.	Microbiology: Virology	C085
Holloway, Janell	Developmental Biology & Genetics: Evolution & Developmental Biology	D119
Hong, Robert	Cell Biology: Cell Biology	G153
Hookano, Jon L.	Neuroscience: Neurobiology	D067
Hooks, Joshua S.	Engineering, Physics & Mathematics: Bioengineering	F108
Hopkins, Jamil W.	Physiology: Physiology	C043
Hormann, Vanessa P.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	E016
Horn, Brittani J.	Biochemistry: Biochemistry	E182
Horton, Dellisha Y.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B033
Howard, Khirston D.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	D010
Howard, Mondraya	Microbiology: Virology	O79
Howell, Shenne	Molecular & Computational Biology: Computational Biology	E073
Hubbard, Nisan M.	Cancer Biology: Cancer Biology	O07
Huff, Deidra	Immunology: Immunology	F104
Hughes, Catherine	Developmental Biology & Genetics: Evolution & Developmental Biology	F121
Hughes, Jaquice	Chemistry: Environmental Chemistry (Grad/Awardee Section)	D011
Hunt, Aisha S.	Microbiology: Bacteriology	B097
Hunt, Leiema S.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F031
Hunt, Tyler	Molecular & Computational Biology: Bioinformatics	F078
Hunter, Kimberly	Social & Behavioral Sciences & Public Health: Psychology	B035
Hurtado, Pastor	Biochemistry: Biochemistry	G190
Hussein, Abdirisak	Biochemistry: Biochemistry	G186
Ibarra, Andres	Neuroscience: Neuroscience	C064
Ibarra, Julio A.	Neuroscience: Neuroscience	D056
Idassi, Ombeni	Cancer Biology: Cancer Biology	G178
Idrees, Suhail	Neuroscience: Neuroscience	B066
Igiesuorobo, Oghomwen	Neuroscience: Neuroscience	A067
Igwebuike, Chinaemere	Developmental Biology & Genetics: Developmental Biology	O66
Ikard, Janelle	Cell Biology: Cell Biology	F154
Ikotun, Ibukun	Neuroscience: Neurobiology	G060
Ikpeze, Tochukwu C.	Immunology: Immunology	A100
Ingram, Lishann M.	Cancer Biology: Cancer Biology	D168
Ingram-Roberson, Chavella	Chemistry: Organic Chemistry	C156
Inoue, Christopher G.	Biochemistry: Structural Biology	A191
Irizarry-Delgado, Freddie	Immunology: Immunology	G098

Irizarry-Oliver, Zahira I.	Engineering, Physics & Mathematics: Biostatistics	C116
Isaac, Tina	Engineering, Physics & Mathematics: Mathematics	G105
Iskin, Hilary R.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F027
Jackson, Don-Andre C.	Cell Biology: Cell Biology	D154
Jackson, Jamaal	Microbiology: Virology	A095
Jackson, Jessica C.	Microbiology: Microbial Physiology	A082
Jackson, Kari A.	Engineering, Physics & Mathematics: Biostatistics	F110
Jackson, Todd	Cell Biology: Cell Biology	D161
Jacobo, Christina M.	Microbiology: Environmental Microbiology	F087
Jacques, Torey D.	Cell Biology: Cell Biology	G160
Jaffery, Sana	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A025
Jarmel, Melissa H.	Cancer Biology: Cancer Biology	A175
Jarrett, Sanchez	Biochemistry: Biochemistry	A188
Javier, Carmen	Developmental Biology & Genetics: Developmental Biology	D118
Jean Louis, Addy	Physiology: Physiology	G046
Jefferson, Jay P.	Neuroscience: Neuroscience	C061
Jefferson, Truman D.	Chemistry: Inorganic Chemistry	E141
Jenkins, Robert	Cancer Biology: Cancer Biology	E169
Jennings, Sierra L.	Microbiology: Microbial Physiology	B091
Jerald, Morgan	Social & Behavioral Sciences & Public Health: Psychology (Grad/Awardee Section)	A004
Jewell, Jessica	Cell Biology: Cell Biology (Grad/Awardee Section)	F020
Jimenez, Oliva	Developmental Biology & Genetics: Genetics	C144
Jimenez-Rico, Jessica G.	Neuroscience: Neurobiology	D062
Joanis, Ruth M.	Cancer Biology: Cancer Biology	B168
Johnson, Amber	Molecular & Computational Biology: Bioinformatics (Grad/Awardee Section)	F003
Johnson, Arshaqui	Developmental Biology & Genetics: Developmental Biology	E120
Johnson, Britney	Neuroscience: Neuroscience	A062
Johnson, Chelsea M.	Social & Behavioral Sciences & Public Health: Sociology	D037
Johnson, David	Neuroscience: Psychobiology	D063
Johnson, Jessica M.	Cell Biology: Cell Biology	O57
Johnson, Marquita L.	Neuroscience: Neuroscience (Grad/Awardee Section)	G019
Johnson, Martha S.	Chemistry: Environmental Chemistry (Grad/Awardee Section)	F006
Johnson, Mckenzie	Chemistry: Analytical Chemistry	O63
Johnson, Quentin R.	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	G014
Johnson, Sarah R.	Chemistry: Organic Chemistry	C154
Johnson, Terence L.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F033
Johnson, Willie A.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A030
Jones, Andrea	Neuroscience: Neuroscience	A066
Jones, Aurielle	Chemistry: Environmental Chemistry	D133
Jones, Bobby L.	Immunology: Immunology	A099
Jones, Calder R.	Developmental Biology & Genetics: Genetics	A118
Jones, Elizabeth	Developmental Biology & Genetics: Genetics	D127
Jones, Jeanice L.	Cell Biology: Plant Biology	A153
Jones, Keith A.	Chemistry: Inorganic Chemistry	B147
Jones, Kelvin	Cancer Biology: Cancer Biology	E166
Jones, Kiara	Chemistry: Environmental Chemistry	D135
Jones, Kirsten D.	Chemistry: Organic Chemistry	C147
Jones, Kyle M.	Immunology: Immunology	O73
Jones, Michael R.	Biochemistry: Structural Biology	G181
Jones, Tonee	Molecular & Computational Biology: Proteomics	G070
Jones-Sawyer, Reginald	Engineering, Physics & Mathematics: Material Sciences	D106
Jordan, Derrick	Cell Biology: Molecular Imaging	E158
Joseph, Cyndi P.	Biochemistry: Biomolecules	C207
Juarez, Dennis	Cancer Biology: Cancer Biology	G174
Juarez, Jesus E.	Biochemistry: Biochemistry	E179
Juhlin, Annika A.	Developmental Biology & Genetics: Developmental Biology	C130

Juliano, Joseph	Engineering, Physics & Mathematics: Mathematics	O70
Kamara, Jennifer V.	Cancer Biology: Cancer Biology	O53
Kamga, Larisa	Microbiology: Bacteriology	B085
Kanu, Florence A.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F030
Kasisomayajula, Hema	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	B019
Katenta, Anna	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	O48
Kaur, Amandeep	Neuroscience: Neurobiology (Grad/Awardee Section)	C016
Kauv, Kalyann	Developmental Biology & Genetics: Developmental Biology	E126
Kayanja, Gilbert E.	Cell Biology: Plant Biology	A162
Keaton, Jennifer E.	Cancer Biology: Cancer Biology	B164
Kedir, Habib	Cancer Biology: Cancer Biology	O08
Key, Candace	Neuroscience: Neuroscience	C050
Khan, Saleem	Developmental Biology & Genetics: Evolution & Developmental Biology	A120
Khatri, Aditi	Physiology: Physiology (Grad/Awardee Section)	F010
Kidane, Yared H.	Molecular & Computational Biology: Bioinformatics (Grad/Awardee Section)	B010
Kilgo, Desmond A..	Molecular & Computational Biology: Computational Biology	G077
Kim, Jessica	Cancer Biology: Cancer Biology	A171
Kim, Margarita	Physiology: Physiology (Grad/Awardee Section)	E008
King, Justin	Neuroscience: Neuroscience	D055
King, Mailene L.	Cancer Biology: Cancer Biology	B166
King, Marquinta M.	Molecular & Computational Biology: Genomics	D078
King-McAlpin, Qaadir	Chemistry: Organic Chemistry	F139
Kiros, Ruth K.	Cancer Biology: Cancer Biology	A167
Kolawole, Oluwatimilehin A.	Neuroscience: Neuroscience	D064
Kong, Niwen	Engineering, Physics & Mathematics: Bioengineering	G111
Koopmans, Raymond	Neuroscience: Neurobiology	D054
Kopenhagen, Benjamin A.	Developmental Biology & Genetics: Genetics	E127
Kronfli, Anthony	Developmental Biology & Genetics: Genetics	E124
Kuba, Christina A.	Chemistry: Organic Chemistry	G133
Kwansa, Albert L.	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	C004
Labaran, Lawal A.	Cell Biology: Plant Biology	D157
Laboy, Keven J.	Neuroscience: Neuroscience	A063
Lakkur, Sandya	Engineering, Physics & Mathematics: Biostatistics	E112
Lalanne, Genevieve A.	Microbiology: Bacteriology	D089
Lam, Khine K.	Neuroscience: Neuroscience	B065
Lama Tamang, Tenchee D.	Immunology: Immunology	F101
Lamar, Jacqueline D.	Microbiology: Bacteriology	A083
Lampley, C'Arra A.	Neuroscience: Neurobiology	D053
Lannon, Edward W.	Neuroscience: Neuroscience	C068
Latcha, Kaamashri N.	Neuroscience: Neurobiology	A065
Lawal, Rasheed A.	Immunology: Immunology	F102
Laws, Elizabeth I.	Microbiology: Virology	E081
Lazare, Jovian	Chemistry: Organic Chemistry	A142
Leandre, Verida J.	Engineering, Physics & Mathematics: Nanotechnology (Grad/Awardee Section)	B002
Lebron, Sabrina	Neuroscience: Neurobiology	C048
Ledet, Russell J.	Chemistry: Pharmaceutical Chemistry	D139
Lee, Benjamin	Immunology: Immunology	F100
Lee, Carnella M.	Cancer Biology: Cancer Biology	A168
Leggette, Joshua H.	Chemistry: Organic Chemistry	D142
Lemons, Cherelle	Biochemistry: Biochemistry	B190
Lenis, Diana A.	Biochemistry: Biomolecules	D183
Lerma, Tanya	Cell Biology: Cell Biology	D153
Letang, Blanche	Microbiology: Bacteriology	O32
Leveille, Joseph J.	Physiology: Physiology	B049
Lewis, Brian M.	Chemistry: Pharmaceutical Chemistry	A148
Lewis, Brooke R.	Chemistry: Analytical Chemistry	G144

Lewis, Christal	Developmental Biology & Genetics: Developmental Biology (Grad/Awardee Section)	B014
Lewis, Curvelle A.	Cell Biology: Molecular Imaging	B156
Lewis-Powell, Z. H.	Physiology: Physiology	F042
Lewter, Lakeisha	Neuroscience: Neuroscience	D066
Lin, Mengjia	Microbiology: Bacteriology	G091
Loftin, Lonneshia S.	Physiology: Physiology	E046
Lomeli, Naomi	Cell Biology: Plant Biology	E154
Long, Janet	Cell Biology: Cell Biology	G154
Loperena, Roxana	Cancer Biology: Cancer Biology	O06
Lopez, Beth Ann	Cancer Biology: Cancer Biology	O05
Lopez, David J.	Engineering, Physics & Mathematics: Material Sciences	D113
Lopez, Deborah	Cell Biology: Cell Biology	G163
Lopez, Jeffrey	Biochemistry: Biochemistry	B184
Lopez, Joe-Angel	Physiology: Anatomy	B043
Lopez, Magdalena	Social & Behavioral Sciences & Public Health: Psychology	A037
Lopez, Odelys	Microbiology: Virology	A094
Lopez, Sydney A.	Physiology: Nutrition	E047
Lopez De Jesus, Edgardo	Molecular & Computational Biology: Proteomics	D077
Lopez- Toro, Edith	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	E001
Lopez-Mojica, Ninoshka P.	Cancer Biology: Cancer Biology	C185
Lopian, Maian	Neuroscience: Neuroscience	A058
Lorenzo, Eney	Engineering, Physics & Mathematics: Biostatistics	E117
Louis, Lumena	Biochemistry: Biochemistry	B185
Love, Tristan	Cell Biology: Cell Biology	B153
Lowe, Derriious	Biochemistry: Biochemistry (Grad/Awardee Section)	G006
Loya, Chrystal	Developmental Biology & Genetics: Developmental Biology (Grad/Awardee Section)	A011
Lu, Shao Y.	Microbiology: Bacteriology	C100
Lubin, Jean-Bernard	Microbiology: Bacteriology (Grad/Awardee Section)	D003
Lucas, Jasmine A.	Microbiology: Parasitology	A089
Lucero, Miles C.	Social & Behavioral Sciences & Public Health: Psychology	E039
Lumbard, Britney D.	Developmental Biology & Genetics: Developmental Biology	D122
Lumpuy, Daniel A.	Chemistry: Pharmaceutical Chemistry	O14
Luna Ramirez, Nuria B.	Cancer Biology: Cancer Biology	F168
Ma, Emily	Cell Biology: Cell Biology	O60
Mabayoje, Oluwaniyi	Chemistry: Environmental Chemistry	C164
Macias, Jason	Developmental Biology & Genetics: Evolution & Developmental Biology	F131
Mackey, Vanessa C.	Biochemistry: Metabolism	B192
Madary, Kaitlin A.	Microbiology: Bacteriology	F097
Madrigal, Alma	Developmental Biology & Genetics: Evolution & Developmental Biology	A129
Maduro, Dimitri A.	Chemistry: Organic Chemistry	F144
Magpiong, Ilene N.	Neuroscience: Neurobiology (Grad/Awardee Section)	A012
Maharaj, Shivana M.	Immunology: Immunology	A101
Majette, Larry	Chemistry: Physical Chemistry	E150
Majumder, Anwasha	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F028
Malcolm, Jessica	Microbiology: Virology	C090
Malfavon-Borja, Joanna	Developmental Biology & Genetics: Genetics	B128
Maltez, Vivien I.	Microbiology: Bacteriology	A081
Mann, Joshua E.	Engineering, Physics & Mathematics: Material Sciences	G106
Mansoor, Muhammad A.	Microbiology: Bacteriology	A096
Marin Acevedo, Paula N.	Cancer Biology: Cancer Biology	D164
Marin-Rodriguez, Brenda I.	Neuroscience: Neuroscience	B060
Markham, Gerard L.	Social & Behavioral Sciences & Public Health: Psychology	F038
Marozas, Ian	Engineering, Physics & Mathematics: Bioengineering	O72
Marrero-Marrero, Irmarie	Developmental Biology & Genetics: Evolution & Developmental Biology	E129
Marrero-Ortiz, Wilmarie	Chemistry: Environmental Chemistry	B140
Martin, Ashley	Biochemistry: Metabolism	B191

Martin, Elijah H.	Cancer Biology: Cancer Biology	D170
Martin, William E.	Chemistry: Organic Chemistry	E143
Martinez, Brandy S.	Social & Behavioral Sciences & Public Health: Psychology	D029
Martinez, Emanuel	Immunology: Immunology	O26
Martinez, Giovanni J.	Cell Biology: Cell Biology	C182
Martinez, Jesus	Cell Biology: Cell Biology	B154
Martinez, Kimberly	Cell Biology: Cell Biology	F156
Martinez, Myrna J.	Molecular & Computational Biology: Computational Biology	B076
Martinez Traverso, Idaliz M.	Microbiology: Bacteriology	E080
Martinez-Cassmeyer, Victor	Cell Biology: Plant Biology	D156
Martinez-Garcia, Rosa	Neuroscience: Neurobiology	G058
Martinez-Nieves, Erika	Molecular & Computational Biology: Computational Biology	A077
Maruni, Tapiwa	Molecular & Computational Biology: Computer Sciences	C071
Mata, Crystal V.	Cancer Biology: Cancer Biology	A178
Matheson, Kinnari	Molecular & Computational Biology: Bioinformatics	B077
Mathew, Eduardo	Biochemistry: Biochemistry	A186
Mathieu, Sadchla	Neuroscience: Neurobiology	G059
Mathieu, Wana	Cancer Biology: Cancer Biology (Grad/Awardee Section)	A001
Matlock, Joshua K.	Engineering, Physics & Mathematics: Bioengineering	O23
Matos, Carmen R.	Immunology: Immunology	F103
Matta, Phil A.	Engineering, Physics & Mathematics: Biophysics (Grad/Awardee Section)	G017
Matthew, Keron	Neuroscience: Neurobiology	C065
Matthews, Aretha O.	Microbiology: Environmental Microbiology (Grad/Awardee Section)	E017
Matthews, Rachael	Chemistry: Organic Chemistry	E142
Mays, Jasmine	Cancer Biology: Cancer Biology	E170
Mbachu, Victor	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	D024
Mbamelu, Brian C.	Immunology: Immunology	G103
McAlpin, Kahmya	Molecular & Computational Biology: Bioinformatics	C072
McCalla, Derek	Developmental Biology & Genetics: Genetics	D126
McCaskill, Bridget	Chemistry: Analytical Chemistry	C150
McCaskill, Shaina	Biochemistry: Biochemistry	D186
McCoy, Michael G.	Engineering, Physics & Mathematics: Bioengineering	B110
McCoy, Naree	Physiology: Physiology	E043
McCrary, Britney S.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B038
McDowell, Justin D.	Chemistry: Environmental Chemistry	C157
McGill, Lakeya	Social & Behavioral Sciences & Public Health: Psychology	A029
McGowan, Camille S.	Social & Behavioral Sciences & Public Health: Psychology	D039
McKinley, Raechel	Physiology: Pharmacology	D052
McLaurin, Justin D.	Cell Biology: Cell Biology (Grad/Awardee Section)	D019
McLean, Eric L.	Physiology: Pharmacology	C038
McLendon, Loren A.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B039
McNeil, Kamedra	Microbiology: Environmental Microbiology	B080
McPherson, Annie	Cancer Biology: Cancer Biology	B176
Meadows, Jacqueline R.	Chemistry: Analytical Chemistry	C165
Melendez, Quantil M.	Microbiology: Bacteriology (Grad/Awardee Section)	D018
Melendez-Contes, Yazmary	Chemistry: Organic Chemistry	A135
Melendez-Fernandez, Olga H.	Engineering, Physics & Mathematics: Bioengineering	B108
Mendez, Daniel J.	Chemistry: Inorganic Chemistry	A137
Mendez, David N.	Cell Biology: Cell Biology	F153
Mendez, Gladys R.	Molecular & Computational Biology: Genomics	D070
Méndez, Omayra	Immunology: Immunology	E101
Mendez, Oscar A.	Neuroscience: Neurobiology	F064
Mendolla, Melinda D.	Biochemistry: Biochemistry	O02
Mendoza, Carlos F.	Microbiology: Microbial Physiology (Grad/Awardee Section)	A008
Mendoza, Crystal A.	Microbiology: Virology	C088
Mendoza, Emmanuel V.	Developmental Biology & Genetics: Developmental Biology	A124

Mendoza, Michael J.	Cell Biology: Plant Biology	G155
Mendoza, Rosalinda	Chemistry: Organic Chemistry	C159
Mensah, Angela A.	Social & Behavioral Sciences & Public Health: Psychology	F023
Mercado, Abner E.	Engineering, Physics & Mathematics: Bioengineering	G113
Mercedes, Maria	Developmental Biology & Genetics: Developmental Biology	A121
Merloni, Kristen A.	Developmental Biology & Genetics: Developmental Biology	E121
Meza, Rosemary	Neuroscience: Neuroscience	G056
Miao, Edna	Microbiology: Virology	E084
Michelli, Audrey	Engineering, Physics & Mathematics: Nanotechnology	C125
Miles, Keila	Developmental Biology & Genetics: Developmental Biology	C141
Miller, Andrew D.	Engineering, Physics & Mathematics: Mathematics	C115
Miller, Kiara	Neuroscience: Neurobiology	G062
Miller, Octavia	Neuroscience: Neuroscience	B067
Mills, Alphonso G.	Neuroscience: Psychobiology	D061
Mills, Gloria J.	Social & Behavioral Sciences & Public Health: Sociology	O96
Mills, Sanchia V.	Cell Biology: Plant Biology	E157
Mimun, Joshua M.	Biochemistry: Biochemistry	C222
Minor, Marissa M.	Microbiology: Virology	O30
Miranda, Juan L.	Microbiology: Mycology	C084
Mishra, Rajashree	Molecular & Computational Biology: Bioinformatics	G068
Mitchell, Sterling A.	Neuroscience: Neuroscience	C054
Mitnaul, Stephanie N.	Molecular & Computational Biology: Bioinformatics	C074
Moe, May Myat	Chemistry: Organic Chemistry	G140
Mondragon, Albert A.	Cell Biology: Cell Biology	C179
Monestime, Camillia	Developmental Biology & Genetics: Developmental Biology	F126
Monteagudo Caballero, Alina M.	Cancer Biology: Cancer Biology	C190
Montes, Angelica M.	Social & Behavioral Sciences & Public Health: Sociology	F036
Montes, David A.	Cell Biology: Plant Biology	D160
Moore, Ashley R.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B028
Moore, Bria M.	Engineering, Physics & Mathematics: Material Sciences	D116
Moore, Zemi S.	Social & Behavioral Sciences & Public Health: Psychology	C027
Morales, Isaiah S.	Neuroscience: Neuroscience	O39
Morales, Marjorie	Molecular & Computational Biology: Genomics	G069
Morales, Oscar	Chemistry: Organic Chemistry (Grad/Awardee Section)	E015
Morales Perez, Claudio L.	Cell Biology: Cell Biology	B160
Moreira, Justin R.	Chemistry: Inorganic Chemistry	O62
Morgan, Dymon	Physiology: Anatomy	B041
Morrison, Orrienne R.	Molecular & Computational Biology: Proteomics	E071
Mota, Thomas A.	Neuroscience: Neuroscience	B054
Moultrie, Edward	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	G032
Mpamugo, Jessica	Chemistry: Environmental Chemistry	B143
Muhammad, Kaliymah L.	Engineering, Physics & Mathematics: Biophysics	D105
Mungin, James W.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E029
Murillo, Hector	Microbiology: Bacteriology	D087
Murphy, Adrienne M.	Cancer Biology: Cancer Biology	E178
Murphy, James W.	Biochemistry: Biochemistry	B189
Murphy, Yolanda E.	Social & Behavioral Sciences & Public Health: Psychology	E031
Music, Teona R.	Microbiology: Bacteriology	D093
Musse, Mohamed A.	Biochemistry: Metabolism (Grad/Awardee Section)	A016
Mustafa, Rashida	Cancer Biology: Cancer Biology (Grad/Awardee Section)	B003
Mwaniki, Wangui	Chemistry: Physical Chemistry	B133
Nagaradona, Chatura	Developmental Biology & Genetics: Genetics	D131
Naidoo, Natasha M.	Physiology: Systems Biology	G042
Nance, Courtney	Engineering, Physics & Mathematics: Mathematics	B112
Narvaez del Pilar, Odemaris	Molecular & Computational Biology: Proteomics	A076
Natal, Yorki E.	Microbiology: Mycology	A087

Nazumudeen, FathimaBenazir	Cancer Biology: Cancer Biology	G173
Negron-Abril, Yashira L.	Chemistry: Analytical Chemistry	A145
Nelson, Ashley N.	Microbiology: Virology (Grad/Awardee Section)	F002
Nelson, Nadine	Cancer Biology: Cancer Biology (Grad/Awardee Section)	D014
Newton, Krystel C.	Biochemistry: Structural Biology	D192
Ngo, Jeanne	Cell Biology: Cell Biology	A155
Nguy, Susanna	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	O94
Nguyen, Cecine	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	G028
Nguyen, Chi	Cancer Biology: Cancer Biology	E173
Nguyen, Elizabeth	Neuroscience: Neurobiology	C070
Nguyen, Kevin	Biochemistry: Biochemistry	B186
Nguyen, Thien Thanh	Social & Behavioral Sciences & Public Health: Psychology	G031
Nguyen, Thinh H.	Cell Biology: Molecular Imaging (Grad/Awardee Section)	F009
Nicholas, Tyler	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B031
Nichols, India S.	Neuroscience: Neuroscience (Grad/Awardee Section)	E005
Nicolas, Chantel I.	Chemistry: Physical Chemistry (Grad/Awardee Section)	E009
Nieves, Janice M.	Microbiology: Bacteriology	C097
Nijem, Omar H.	Cell Biology: Cell Biology	E156
Njoku, Chinweizu C.	Microbiology: Virology	D092
Njuguna, Princess	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E036
Nkuni, Yannick N.	Chemistry: Organic Chemistry	C162
Nnah, Israel C.	Neuroscience: Neurobiology (Grad/Awardee Section)	E003
Norona, Leah	Biochemistry: Structural Biology	D189
Novoa, Daniel	Biochemistry: Biochemistry	G191
Nunez, Alejandro	Engineering, Physics & Mathematics: Material Sciences	A106
Nunez, Dariana M.	Molecular & Computational Biology: Proteomics	D069
Nunez, Francisco J.	Engineering, Physics & Mathematics: Nanotechnology	F112
Nwachukwu, Kala	Developmental Biology & Genetics: Developmental Biology	C134
Nwana, Naderge	Cell Biology: Cell Biology	O12
Nwankwo, Ezinne	Engineering, Physics & Mathematics: Bioengineering	F116
Nwogbo, Felix O.	Cancer Biology: Cancer Biology	G164
Nystrom, Stephanie N.	Microbiology: Environmental Microbiology	C083
O'Neal, Cory	Microbiology: Microbial Physiology	E096
O'Neill, Lauren A.	Developmental Biology & Genetics: Developmental Biology	D125
Obenza, Willimark	Cell Biology: Cell Biology	C178
Ocasio, Jennifer K.	Chemistry: Analytical Chemistry	C169
Ochieng, Melony A.	Chemistry: Organic Chemistry	F137
Odera, Joab O.	Microbiology: Parasitology	D097
Odoro, Loretta B.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A031
Ogbeifun, Osato	Cell Biology: Molecular Imaging (Grad/Awardee Section)	A013
Ogunrinde, Elizabeth	Microbiology: Bacteriology	G081
Oguoma-Richards, David	Chemistry: Inorganic Chemistry	G149
Ohiri, Joyce C.	Cancer Biology: Cancer Biology	F178
Ojoamoo, Abibatu T.	Developmental Biology & Genetics: Evolution & Developmental Biology	G127
Ojukwu, Frederick	Microbiology: Bacteriology	B086
Okafor, Chika	Neuroscience: Neurobiology	C062
Okany, Kenechi P.	Microbiology: Parasitology	G092
Oke, Lade	Developmental Biology & Genetics: Developmental Biology	C139
Okechukwu, Charles	Microbiology: Bacteriology	G089
Okereke, Yvonne	Microbiology: Virology	B089
Okonkwo, Nonye	Biochemistry: Biochemistry	A183
Olawin, Abdulquadri M.	Biochemistry: Structural Biology	D184
Oliva, Octavio M.	Cell Biology: Cell Biology	A151
Olivos, Naomie	Cell Biology: Cell Biology (Grad/Awardee Section)	F014
Olson, Brian W.	Chemistry: Physical Chemistry	C153
Olutola, Olatoye	Neuroscience: Neuroscience	A061

Omakwu, Mary E.	Neuroscience: Neuroscience	G065
Ontiveros, Jose L.	Neuroscience: Neuroscience	B058
Onwodi, Olivia N.	Chemistry: Organic Chemistry	A150
Onyango, Joshua M.	Neuroscience: Neurobiology	C067
Onyeali, Liberty	Microbiology: Virology	E088
Onyeozili, Nwamaka	Molecular & Computational Biology: Computational Biology	A071
Opoku, Rachael	Developmental Biology & Genetics: Genetics	D123
Ordaz, Ana V.	Immunology: Immunology	C109
Ordonez, Dalila G.	Neuroscience: Neuroscience	C066
Ornelas, Lilia	Physiology: Physiology (Grad/Awardee Section)	D002
Ortega, James R.	Cancer Biology: Cancer Biology	C196
Ortiz, Bianca A.	Immunology: Immunology	B099
Ortiz, Giovanni A.	Cell Biology: Cell Biology	E159
Ortiz, Maria M.	Microbiology: Environmental Microbiology	B084
Ortiz, Stephanie	Neuroscience: Neuroscience	E060
Ortiz Marty, Rebecca J.	Immunology: Immunology (Grad/Awardee Section)	B012
Ortiz-Jordan, Luis M.	Chemistry: Inorganic Chemistry	D148
Osei-Owusu, Nana Yaw	Biochemistry: Biochemistry	F192
Owens, Aaron G.	Neuroscience: Neuroscience	G057
Owens, Jacobi	Chemistry: Organic Chemistry	E138
Owusu-Boaitey, Kwadwo	Cancer Biology: Cancer Biology	O56
Oyedele, Olufemi O.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C029
Ozen, Fatma S.	Microbiology: Environmental Microbiology (Grad/Awardee Section)	C020
Pacheco, Natasha L.	Developmental Biology & Genetics: Genetics	A119
Pally, Annie	Neuroscience: Neuroscience	E065
Pamias, Michelle P.	Microbiology: Environmental Microbiology	G083
Pammit, Alexis S.	Cell Biology: Cell Biology	C181
Paredes, Danelvis	Neuroscience: Neuroscience	B061
Parker, Christina	Cancer Biology: Cancer Biology	O54
Parker, Dominique P.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A034
Parker, Michonne D.	Microbiology: Bacteriology	B092
Parkinson, Gerneiva	Developmental Biology & Genetics: Developmental Biology	O20
Parks, Akia	Engineering, Physics & Mathematics: Bioengineering	E115
Parnell, Lindsay A.	Cell Biology: Cell Biology	A156
Partee, ValaRae M.	Microbiology: Environmental Microbiology	G086
Pascual, King John	Developmental Biology & Genetics: Evolution & Developmental Biology	O68
Patel, Rohan A.	Molecular & Computational Biology: Computational Biology	F075
Payen, Firmause	Neuroscience: Neuroscience	D057
Payne, Courtney	Cancer Biology: Cancer Biology	G170
Peinado, Carlos D.	Immunology: Immunology	O25
Pena, Jennifer C.	Engineering, Physics & Mathematics: Biophysics	D110
Pennyman, Euron K.	Social & Behavioral Sciences & Public Health: Psychology	G036
Perdomo, Stephanie	Cell Biology: Cell Biology	G151
Peretti, Nicole A.	Biochemistry: Structural Biology	F193
Perez, Alfredo	Chemistry: Inorganic Chemistry	E133
Perez, Ernestina	Social & Behavioral Sciences & Public Health: Psychology	E028
Perez, Pedro E.	Physiology: Endocrinology	O42
Perez, Sebastian U.	Physiology: Systems Biology	O90
Perez Morales, Tiara G.	Microbiology: Bacteriology (Grad/Awardee Section)	C012
Perez-Afanador, Diana	Developmental Biology & Genetics: Genetics	A128
Perez-Morales, Jaileene	Engineering, Physics & Mathematics: Biostatistics	B115
Perkins, Marisha M.	Chemistry: Organic Chemistry	C168
Pernas, Justin	Neuroscience: Neurobiology	G066
Perreira, Sherry	Developmental Biology & Genetics: Evolution & Developmental Biology	F124
Perry, Kandyce	Molecular & Computational Biology: Proteomics	F070
Perryman, Danielle C.	Developmental Biology & Genetics: Evolution & Developmental Biology	O65

Peters, Delrol D.	Molecular & Computational Biology: Genomics	F077
Peterson, Deforest M.	Immunology: Immunology	C114
Petion, Vanessa	Cell Biology: Molecular Imaging	B163
Phan, Thao T.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A033
Phung, Lien A.	Biochemistry: Biomolecules	E192
Pickett, Chillian	Neuroscience: Neuroscience	B055
Pierre, Grant S.	Cancer Biology: Cancer Biology	C188
Pierre, Jemson	Cancer Biology: Cancer Biology	A177
Pineda, Javier J.	Chemistry: Organic Chemistry	C160
Pinkman, Iymaan	Biochemistry: Biochemistry	D181
Pinnock, Travis	Chemistry: Physical Chemistry	A144
Pino, Javier	Developmental Biology & Genetics: Genetics	O19
Pinsky, Justine M.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	D007
Pique, Daniel G.	Microbiology: Parasitology	F079
Pittman, Shonkela D.	Developmental Biology & Genetics: Evolution & Developmental Biology	G132
Platt, Ekundayo M.	Chemistry: Organic Chemistry	O13
Platt, Kwasi	Engineering, Physics & Mathematics: Mathematics	G115
Poku, Victoria	Biochemistry: Metabolism	E181
Ponce, Servando G.	Chemistry: Inorganic Chemistry	D145
Poole, Kendall J.	Neuroscience: Neurobiology	F063
Pope, Brandon J.	Neuroscience: Neuroscience	C056
Popoola, Daniel O.	Neuroscience: Psychobiology	C052
Potter, Jennifer M.	Developmental Biology & Genetics: Developmental Biology	G124
Potter, Valencia L.	Molecular & Computational Biology: Genomics	A073
Potts, Moriah	Chemistry: Organic Chemistry	G145
Poventud-Fuentes, Izmarie	Engineering, Physics & Mathematics: Bioengineering	A114
Price, Phillip L.	Developmental Biology & Genetics: Genetics	B125
Prieto, Camila	Cell Biology: Cell Biology	D151
Pulido, Ivan	Developmental Biology & Genetics: Developmental Biology	D129
Puplampu-Dove, Yvonne A.	Developmental Biology & Genetics: Developmental Biology (Grad/Awardee Section)	A015
Pursell, Erica	Engineering, Physics & Mathematics: Biophysics	D107
Putnam, Alexa A.	Developmental Biology & Genetics: Developmental Biology	F128
Qi Huang, Sunny	Neuroscience: Neuroscience	F056
Quarels, Rashanique D.	Chemistry: Organic Chemistry	B144
Quaye, Borley G.	Microbiology: Environmental Microbiology	C091
Que, Lauren E.	Biochemistry: Biochemistry	O52
Quenum Zangbede, Fredice O.	Microbiology: Bacteriology	C086
Quintana, Gwendolyn A.	Cell Biology: Cell Biology	E152
Quintero, Luis A.	Cancer Biology: Cancer Biology	G176
Quiroz, Jose	Biochemistry: Biochemistry	A190
Quiroz, Ryan	Chemistry: Pharmaceutical Chemistry	A139
Rabelo, Robert J.	Microbiology: Environmental Microbiology	B081
Radley, Blaine D.	Developmental Biology & Genetics: Genetics (Grad/Awardee Section)	A019
Ragasa, Justin	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B023
Ragin, Bobby	Cell Biology: Plant Biology	C180
Rahhal, Tojan B.	Developmental Biology & Genetics: Developmental Biology	B131
Ramirez, Lourdes G.	Microbiology: Microbial Physiology	O78
Ramkhelawan, Joel B.	Developmental Biology & Genetics: Evolution & Developmental Biology	D121
Ramlall, Jasodra	Cell Biology: Cell Biology	F163
Ramos, Enrique	Molecular & Computational Biology: Genomics (Grad/Awardee Section)	C011
Ramos, Felix M.	Neuroscience: Neurobiology	F058
Ramos, Raul	Physiology: Systems Biology	C044
Randolph, Imani S.	Social & Behavioral Sciences & Public Health: Psychology	E035
Rankine, Kristina A.	Physiology: Nutrition	A048
Ransom, Brandon M.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	G004
Raymond, Rondy M.	Developmental Biology & Genetics: Evolution & Developmental Biology	O18

Reader, Matthew S.	Engineering, Physics & Mathematics: Nanotechnology	D114
Redhair, Michelle	Microbiology: Virology	B096
Reedus, Jasmine L.	Microbiology: Bacteriology	B083
Refour, Eric M.	Engineering, Physics & Mathematics: Material Sciences	O71
Regis, Kenny	Cancer Biology: Cancer Biology	D166
Reid, Jacqueline A.	Immunology: Immunology	A102
Rene, Lexi O.	Engineering, Physics & Mathematics: Mathematics	E107
Reyes, Irma	Physiology: Toxicology	D046
Reyes, Roberto	Molecular & Computational Biology: Genomics	O84
Reyes, Ruel J.	Developmental Biology & Genetics: Evolution & Developmental Biology	B118
Rhooms, Shauna-Kay	Social & Behavioral Sciences & Public Health: Sociology	O95
Ricci, Contessa	Developmental Biology & Genetics: Developmental Biology	A130
Rice, Dominique	Cancer Biology: Cancer Biology	D171
Richardson, Dwayne C.	Engineering, Physics & Mathematics: Mathematics	D111
Richardson, Leea P.	Cancer Biology: Cancer Biology	D175
Richter, Mary Etna	Developmental Biology & Genetics: Genetics (Grad/Awardee Section)	D022
Riddick, Alecia	Chemistry: Pharmaceutical Chemistry	F134
Rincon-Bearsley, Tonya	Physiology: Systems Biology (Grad/Awardee Section)	B011
Rios, Lourdes	Neuroscience: Neuroscience	D060
Rios, Tiffany J.	Neuroscience: Neuroscience	C057
Rios-Acosta, Lorena	Cell Biology: Plant Biology	C174
Riva, Priscilla	Developmental Biology & Genetics: Genetics	C133
Rivas, Bianca	Microbiology: Environmental Microbiology	G093
Rivera, Andrea V.	Cancer Biology: Cancer Biology	C198
Rivera, Daniel	Engineering, Physics & Mathematics: Nanotechnology (Grad/Awardee Section)	C002
Rivera, Jean C.	Chemistry: Organic Chemistry	B139
Rivera, Nelitza I.	Cancer Biology: Cancer Biology	B177
Rivera-Correa, Juan L.	Immunology: Immunology	O76
Rivera-Melendez, Johary	Chemistry: Analytical Chemistry	B148
Rivero, Nathalie	Cell Biology: Cell Biology	C171
Rizk, Maryan G.	Physiology: Pharmacology	A042
Roach, Dawn M.	Immunology: Immunology	B103
Roach, James P.	Neuroscience: Neuroscience	O85
Roberts, Austin A.	Chemistry: Organic Chemistry	B142
Roberts, Dominic C.	Molecular & Computational Biology: Computer Sciences	G076
Robinson, Janelle R.	Developmental Biology & Genetics: Genetics	G121
Robinson, Kimberly S.	Neuroscience: Neurobiology (Grad/Awardee Section)	C024
Robinson, Laijia	Biochemistry: Biochemistry	D190
Robinson, LeRoy G.	Cell Biology: Cell Biology (Grad/Awardee Section)	B008
Robinson, Shamera	Cell Biology: Cell Biology	F155
Robinson, Stacy-Ann M.	Cell Biology: Cell Biology	G156
Roby, Kerry C.	Biochemistry: Biochemistry	C224
Roby, TaNisha M.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	G016
Rochester, Shana E.	Social & Behavioral Sciences & Public Health: Psychology	B026
Rodriguez, Adriana	Engineering, Physics & Mathematics: Nanotechnology	D112
Rodriguez, Amanda	Neuroscience: Neurobiology	C055
Rodriguez, Christie	Engineering, Physics & Mathematics: Nanotechnology	C124
Rodriguez, Gabriela	Cell Biology: Plant Biology	C173
Rodriguez, Jennifer	Biochemistry: Biomolecules	G192
Rodriguez, Jessica J.	Cancer Biology: Cancer Biology	E165
Rodriguez, Karla M.	Chemistry: Organic Chemistry	C160
Rodriguez, Maria D.	Cancer Biology: Cancer Biology	A166
Rodriguez, Oscar A.	Physiology: Pharmacology	O91
Rodriguez, Weyshla A.	Chemistry: Organic Chemistry	F133
Rodriguez, Zue A.	Biochemistry: Structural Biology	D188
Rodriguez Hernandez, Alexander	Chemistry: Environmental Chemistry	B136

Rodriguez Perez, Sayra M.	Engineering, Physics & Mathematics: Biophysics	A112
Rodriguez- Laureano, Lucelenie	Neuroscience: Neuroscience	E066
Rodriguez-Cruz, Vivian	Neuroscience: Neurobiology	E055
Rodriguez-Ortiz, Pedro E.	Cell Biology: Cell Biology	B155
Rogers, Keisha	Microbiology: Parasitology	G082
Rojas, Ashley	Molecular & Computational Biology: Proteomics	D076
Roldan, Sara R.	Social & Behavioral Sciences & Public Health: Psychology	B030
Roldan-Hernandez, Liline	Neuroscience: Neurobiology	A057
Romero, Diana K.	Microbiology: Environmental Microbiology	A091
Rosado, Arelis	Engineering, Physics & Mathematics: Biophysics (Grad/Awardee Section)	C010
Rosado, Edwin A.	Molecular & Computational Biology: Computational Biology	E070
Rosario, Rylan C.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F029
Rose, LaKeysha	Immunology: Immunology (Grad/Awardee Section)	C021
Rosenbaum, Rodney M.	Physiology: Systems Biology	D041
Rosser, Tatiana V.	Chemistry: Environmental Chemistry	B145
Rotibi, Mojisola	Molecular & Computational Biology: Genomics	G073
Rozacky, Jenna	Developmental Biology & Genetics: Developmental Biology	O17
Rueda, Antonieta	Neuroscience: Neurobiology	E056
Ruiz, Esteban	Engineering, Physics & Mathematics: Bioengineering	O21
Ruiz, Victor	Chemistry: Pharmaceutical Chemistry	D138
Ruiz, Victor	Engineering, Physics & Mathematics: Bioengineering	C126
Russell, Erika J.	Biochemistry: Biochemistry	C212
Ryan, Breanna L.	Microbiology: Environmental Microbiology	G084
Saafir, Amirah L.	Social & Behavioral Sciences & Public Health: Psychology	A035
Sadaoui, Nouara	Neuroscience: Neurobiology	B064
Saenz, Marissa M.	Physiology: Physiology	E045
Sahagun, Virginia	Molecular & Computational Biology: Genomics	D074
Saied-Santiago, Kristian A.	Developmental Biology & Genetics: Genetics	E123
Salinas, Audrey	Developmental Biology & Genetics: Evolution & Developmental Biology	B130
Sall, Dialika	Social & Behavioral Sciences & Public Health: Sociology	G025
Samano, Fernando	Molecular & Computational Biology: Computer Sciences	E075
Samateh, Malick	Chemistry: Organic Chemistry (Grad/Awardee Section)	D004
Sampson, Cristal A.	Neuroscience: Neuroscience	F060
Sanchez, Destiny M.	Microbiology: Virology	C099
Sanchez, Jorge	Chemistry: Organic Chemistry	B134
Sanchez, Jose J.	Chemistry: Pharmaceutical Chemistry	G150
Sanchez, Karla R.	Cancer Biology: Cancer Biology	G167
Sanders, Crystal J.	Engineering, Physics & Mathematics: Bioengineering	A116
Santana, Dianicha	Neuroscience: Neurobiology (Grad/Awardee Section)	A022
Santana Carrero, Rosa M.	Biochemistry: Biochemistry (Grad/Awardee Section)	A009
Santiago, Annyoceli	Microbiology: Environmental Microbiology	B093
Santiago, Diara A.	Physiology: Pharmacology	A047
Santiago, Ivan J.	Neuroscience: Neurobiology	B062
Santiago, Jan Clement A.	Immunology: Immunology	O75
Santiago, Juliana	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B032
Santiago-Miranda, Adriana N.	Engineering, Physics & Mathematics: Bioengineering	O69
Santos, Patricia Mae G.	Neuroscience: Psychobiology	O87
Santos, Ryan M.	Cell Biology: Cell Biology	D152
Santos-Marrero, Melanie	Biochemistry: Biomolecules	F183
Santos-Perez, Carlos	Cancer Biology: Cancer Biology	G171
Sarkodie, Simon	Social & Behavioral Sciences & Public Health: Anthropology	D023
Saunders, Nzingha R.	Physiology: Pharmacology	F047
Sawyer, Andrew W.	Biochemistry: Biochemistry	C215
Schatoff, Emma	Cancer Biology: Cancer Biology	E174
Schekman, Jacob M.	Chemistry: Inorganic Chemistry	G136
Scott, Brandon J.	Engineering, Physics & Mathematics: Material Sciences	F105

Scott, Celeste B.	Biochemistry: Biochemistry	B183
Scott, Eric	Immunology: Immunology (Grad/Awardee Section)	E014
Scott, Ninecia R.	Microbiology: Microbial Physiology	E097
Seal, LeAnne	Developmental Biology & Genetics: Genetics	E119
Sebuufu, Benjamin	Physiology: Physiology	G044
Sedykh Herrmann, Irina	Neuroscience: Neuroscience	B063
Seignon, Kareen	Cell Biology: Cell Biology	G157
Seignon, Marie Jacques M.	Molecular & Computational Biology: Genomics	G071
Sepulveda, Fernando M.	Biochemistry: Biochemistry	C213
Seranio, Nicolas C.	Biochemistry: Structural Biology (Grad/Awardee Section)	C008
Serrano, Ilianna	Microbiology: Parasitology	F093
Sewell, Deonte	Engineering, Physics & Mathematics: Mathematics	G114
Shah, Preeya T.	Physiology: Physiology	E049
Sharma, Surendra K.	Biochemistry: Biomolecules	E183
Sharp, Rahja'	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	F032
Sharpe, William H.	Social & Behavioral Sciences & Public Health: Psychology	D033
Shaw, Candace M.	Engineering, Physics & Mathematics: Biostatistics	F114
Shealey, Glasher R.	Social & Behavioral Sciences & Public Health: Psychology	D031
Sheraz, Muhammad	Immunology: Immunology (Grad/Awardee Section)	G012
Sholar, Courtney	Social & Behavioral Sciences & Public Health: Psychology	D032
Siegman, Shayne N.	Engineering, Physics & Mathematics: Bioengineering	B116
Silva, Nicholas J.	Physiology: Physiology (Grad/Awardee Section)	E018
Silva-Del Toro, Stephanie L.	Microbiology: Environmental Microbiology	D095
Simmons, Arkeen	Neuroscience: Neuroscience	E062
Simon, Leanna	Microbiology: Environmental Microbiology	G096
Simpson, Courtney D.	Microbiology: Bacteriology	D081
Simpson, Duane E.	Chemistry: Organic Chemistry	F142
Simpson, Jessica M.	Chemistry: Inorganic Chemistry	F135
Sims, Lauren	Physiology: Nutrition	A050
Sinkfield, Tiara C.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C033
Siv, Chanrith	Engineering, Physics & Mathematics: Biophysics	B114
Siva, Tenaya	Immunology: Immunology	A103
Smith, Austin R.	Chemistry: Analytical Chemistry	B149
Smith, Bethany N.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	F017
Smith, Charity A.	Microbiology: Bacteriology	A097
Smith, Ciarra B.	Microbiology: Bacteriology	C103
Smith, Felisea	Social & Behavioral Sciences & Public Health: Psychology	B036
Smith, Jamian L.	Molecular & Computational Biology: Computational Biology	C078
Smith, Jasmine R.	Engineering, Physics & Mathematics: Nanotechnology	B107
Smith, Jennifer A.	Neuroscience: Neurobiology	C069
Smith, Kamiyah I.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	C032
Smith, Michael	Developmental Biology & Genetics: Genetics	D132
Smith, Renee	Developmental Biology & Genetics: Genetics	F129
Smith, Ronald S.	Chemistry: Analytical Chemistry	F146
Smith, Roxanne A.	Developmental Biology & Genetics: Genetics	B124
Smith, Suenita	Biochemistry: Biomolecules	D187
Snell, Chelsey	Chemistry: Inorganic Chemistry	G148
Soares, Natasha	Immunology: Immunology	B101
Solano Fonseca, Rene	Physiology: Toxicology	D043
Soler, Michael A.	Cell Biology: Plant Biology	C177
Solis, Gregory M.	Biochemistry: Biochemistry	O04
Solola, Lukman	Physiology: Physiology	A043
Sosa, Abraham E.	Developmental Biology & Genetics: Evolution & Developmental Biology	C142
Sosa, Enrique	Cell Biology: Molecular Imaging (Grad/Awardee Section)	C014
Soto, Deemarys N.	Cancer Biology: Cancer Biology	C202
Soto, Emilio E.	Developmental Biology & Genetics: Developmental Biology	E122

Soto, Maritza	Social & Behavioral Sciences & Public Health: Psychology	G024
Sousa, Renato	Chemistry: Organic Chemistry	E147
Speas, Anthony	Chemistry: Physical Chemistry	C161
Spence, Daron R.	Molecular & Computational Biology: Bioinformatics	C075
Spencer, Lesha E.	Biochemistry: Biochemistry	A184
Spencer, Yachi A.	Molecular & Computational Biology: Bioinformatics	B069
St. Marthe, Kahla C.	Physiology: Physiology	B044
Stafford, Eboni	Physiology: Physiology	B048
Stallworth, Akida O.	Immunology: Immunology (Grad/Awardee Section)	E012
Stanford, Kevon	Microbiology: Parasitology	G094
Starkweather, Clara K.	Neuroscience: Neurobiology	F055
Starling, Brockton C.	Social & Behavioral Sciences & Public Health: Psychology	D025
Starr, Tyler N.	Biochemistry: Biomolecules	F184
Stephens, Matthew L.	Cancer Biology: Cancer Biology	E177
Stevenson, Jeffery	Microbiology: Bacteriology	B079
Stewart, LaShaya M.	Neuroscience: Psychobiology	F067
Stewart, Matthew J.	Physiology: Systems Biology	G051
Stickel, Ariana	Social & Behavioral Sciences & Public Health: Psychology	F035
Stratford, Kimberly	Physiology: Endocrinology	E041
Streater, Courtney	Immunology: Immunology	O27
Strickland, Michell E.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	D036
Stringer, Halima I.	Physiology: Pharmacology	A045
Sumida, Catherine	Neuroscience: Psychobiology	E063
Summers, Ashley	Chemistry: Organic Chemistry	F143
Sumo, Jen'nea	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology (Grad/Awardee Section)	D005
Suwaneh, Fanta	Engineering, Physics & Mathematics: Material Sciences	B109
Svoboda, Jessica R.	Microbiology: Bacteriology	A088
Sweet, Patrick	Developmental Biology & Genetics: Developmental Biology	A125
Syed, Jahangir A.	Cancer Biology: Cancer Biology	G165
Szabo, Yvette Z.	Social & Behavioral Sciences & Public Health: Psychology	A036
Taddesse, Merron	Engineering, Physics & Mathematics: Bioengineering	O22
Tafoya, Diana A.	Biochemistry: Structural Biology	C218
Taitano, Sophina H.	Cancer Biology: Cancer Biology	F172
Talamantes, Alejandra	Microbiology: Bacteriology	A086
Taneja, Anjali	Cell Biology: Cell Biology	D163
Tate, Tia A.	Chemistry: Analytical Chemistry	E135
Tate, Timothy	Developmental Biology & Genetics: Genetics	C140
Tavares, Maria N.	Molecular & Computational Biology: Proteomics	A068
Taylor, Ashley M.	Chemistry: Physical Chemistry	C155
Taylor, Jasmine	Biochemistry: Biomolecules	A189
Taylor, Jasmine	Chemistry: Pharmaceutical Chemistry	G137
Taylor, Jessica N.	Engineering, Physics & Mathematics: Mathematics	E111
Taylor, Jonathan D.	Molecular & Computational Biology: Proteomics	D075
Taylor, Tariq	Engineering, Physics & Mathematics: Bioengineering	O24
Tegegn, Tseday Z.	Cancer Biology: Cancer Biology	B172
Tellis, Natasha	Microbiology: Bacteriology	G088
Temple, Sharonne D.	Biochemistry: Biochemistry	C214
Tesfai, Yohana	Neuroscience: Neuroscience	F061
Tessema, Derejew K.	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	D038
Thacker, Ariana	Engineering, Physics & Mathematics: Bioengineering	E106
Thomas, Ashley K.	Social & Behavioral Sciences & Public Health: Psychology	O46
Thomas, Charne	Microbiology: Virology	C104
Thomas, Lana	Chemistry: Organic Chemistry	F136
Thomas, Monica I.	Microbiology: Virology	C094
Thomas, Portia	Chemistry: Analytical Chemistry	C148
Thompson, Kendra L.	Molecular & Computational Biology: Computer Sciences	F068

Thompson, Whitney	Immunology: Immunology	B100
Thoms, David	Microbiology: Microbial Physiology	O31
Thorne, Jamal R.	Molecular & Computational Biology: Computer Sciences	F073
Thornton, Rita	Engineering, Physics & Mathematics: Bioengineering	G112
Thu, Phy	Cell Biology: Cell Biology	G158
Tillman, Brittany	Cell Biology: Cell Biology	D159
Toney, Deveine	Chemistry: Organic Chemistry	O61
Torres, Mayra	Chemistry: Organic Chemistry	C152
Torres-Garcia, Adrianna	Social & Behavioral Sciences & Public Health: Psychology	F040
Tracy, Robert	Cell Biology: Molecular Imaging	G161
Trager, Nicole N.	Immunology: Immunology (Grad/Awardee Section)	D013
Tran, Tuyen N.	Biochemistry: Biochemistry	O01
Travis, Candice J.	Immunology: Immunology	G102
Traylor, Shataria	Developmental Biology & Genetics: Developmental Biology	A127
Treacy, Sean E.	Microbiology: Environmental Microbiology	G087
Trejo, Pedro	Developmental Biology & Genetics: Evolution & Developmental Biology (Grad/Awardee Section)	C009
Trevino, Michelle B.	Biochemistry: Metabolism (Grad/Awardee Section)	E011
Trieu, Stacy Q.	Immunology: Immunology	D102
Trochez, Alex	Engineering, Physics & Mathematics: Material Sciences	F106
Trotsyuk, Artem	Cell Biology: Cell Biology	E153
Trujillo, Joshua T.	Developmental Biology & Genetics: Genetics	C135
Tu, Nancy L.	Biochemistry: Biomolecules	C206
Tuazon, Anna Marie	Developmental Biology & Genetics: Genetics (Grad/Awardee Section)	D016
Turcotte, Cassandra	Developmental Biology & Genetics: Developmental Biology	B122
Turner, Archie D.	Biochemistry: Biochemistry	G187
Turner, Monique M.	Social & Behavioral Sciences & Public Health: Psychology (Grad/Awardee Section)	B013
Turner, Takara	Chemistry: Analytical Chemistry	E149
Tutson, Ashley	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	E027
Tyler, Lauren	Engineering, Physics & Mathematics: Biostatistics	B105
Tyler, Nichole S.	Engineering, Physics & Mathematics: Bioengineering	C123
Uzamere, Theodor	Cancer Biology: Cancer Biology	F164
Valdes, Mike	Cell Biology: Cell Biology	O59
Valdes, Phoebe	Neuroscience: Neuroscience	C047
Valdez, Isa C.	Microbiology: Environmental Microbiology	F095
Valdez, Vladimir	Cancer Biology: Cancer Biology (Grad/Awardee Section)	G015
Valencia, Evelyn C.	Biochemistry: Biochemistry	O51
Valentin, Francisco I.	Engineering, Physics & Mathematics: Bioengineering (Grad/Awardee Section)	E002
Valsin, Lauren	Engineering, Physics & Mathematics: Nanotechnology	C117
Van Dervort, Alana	Cell Biology: Cell Biology (Grad/Awardee Section)	A006
Vanegas, Engred	Chemistry: Physical Chemistry	G134
Vann, Kiara	Physiology: Physiology	F052
Vargas-Muniz, Jose M.	Microbiology: Mycology	B082
Varner, Clyde	Biochemistry: Biochemistry	G179
Vasquez, Alexandria C.	Neuroscience: Neurobiology	F054
Vazquez, Marianne B.	Molecular & Computational Biology: Proteomics	F076
Vazquez-Hidalgo, Esteban	Molecular & Computational Biology: Computational Biology	O36
Vega, Anthony	Cancer Biology: Cancer Biology	F169
Vega, Taylor A.	Neuroscience: Neuroscience	F059
Vega-Torres, Julio D.	Cancer Biology: Cancer Biology	C195
Velez Martinez, Carol S.	Developmental Biology & Genetics: Genetics	B132
Venida, Anthony	Microbiology: Bacteriology	E092
Ventura, Christopher M.	Neuroscience: Neurobiology	E054
Vera, Juhnnel O.	Biochemistry: Biochemistry	G188
Vernon, Kasey	Developmental Biology & Genetics: Developmental Biology	C138
Verraich, Japjit K.	Microbiology: Microbial Physiology	E090
Vicioso, Yorleny M.	Cell Biology: Cell Biology	A157

Victor, Tiffany W.	Chemistry: Analytical Chemistry (Grad/Awardee Section)	A003
Vieta, Emile R.	Engineering, Physics & Mathematics: Bioengineering	C120
Villalobos, Alexander	Physiology: Physiology	A051
Villanueva, Omar	Chemistry: Inorganic Chemistry (Grad/Awardee Section)	B016
Villarreal, Eliseo	Molecular & Computational Biology: Proteomics	E068
Villarreal, Jannelly J.	Microbiology: Microbial Physiology	B090
Vincent, Jennel	Molecular & Computational Biology: Proteomics	E072
Viray, Timoty	Microbiology: Environmental Microbiology	E087
Visbal-Onufrak, Michelle A.	Engineering, Physics & Mathematics: Bioengineering (Grad/Awardee Section)	D015
Visconti, Maria F.	Cell Biology: Cell Biology	A154
Vizcarrondo, Giovann G.	Biochemistry: Biochemistry	D180
Von Behr, Johan A.	Engineering, Physics & Mathematics: Material Sciences	G108
Vu, Ngoc T.	Engineering, Physics & Mathematics: Bioengineering	D109
Walker, Antrice G.	Microbiology: Parasitology (Grad/Awardee Section)	G009
Walker, Eric	Cell Biology: Molecular Imaging	F160
Walker, Joy	Developmental Biology & Genetics: Developmental Biology	D128
Walker, Vennicia	Microbiology: Environmental Microbiology	F091
Wallace, LaShanale M.	Cancer Biology: Cancer Biology	B174
Wallace, Semaj D.	Social & Behavioral Sciences & Public Health: Psychology	F024
Wang, Li	Neuroscience: Neurobiology	G053
Ward, Natasha	Immunology: Immunology	A098
Ware, Lauren	Microbiology: Parasitology	A090
Washington, Allen	Immunology: Immunology	C113
Washington, Cherise N.	Physiology: Toxicology	F043
Washington, Jasmine T.	Chemistry: Pharmaceutical Chemistry (Grad/Awardee Section)	A021
Washington, Tiara	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	A038
Watkins, Marquita R.	Chemistry: Physical Chemistry (Grad/Awardee Section)	B022
Weaver, Karlton W.	Molecular & Computational Biology: Computer Sciences	D073
Webb, Alexis	Chemistry: Analytical Chemistry	B137
Webb, Jessica D.	Physiology: Systems Biology	E048
Webb, Michalee L.	Microbiology: Bacteriology	F086
Webster, Martial A.	Chemistry: Organic Chemistry	F145
Wechsler, Marissa E.	Engineering, Physics & Mathematics: Bioengineering	F117
Wheat, Takia M.	Chemistry: Inorganic Chemistry (Grad/Awardee Section)	D020
Whisby, Latesha N.	Chemistry: Environmental Chemistry	A146
White, John A.	Chemistry: Environmental Chemistry	C163
White, Oberziner V.	Cell Biology: Cell Biology	E160
White, Patrice	Social & Behavioral Sciences & Public Health: Psychology	G030
White, Simone L.	Neuroscience: Psychobiology	A060
White, Terrance R.	Cancer Biology: Cancer Biology	F176
White, Xzania	Social & Behavioral Sciences & Public Health: Psychology	E026
White, Zollie	Molecular & Computational Biology: Computational Biology (Grad/Awardee Section)	A007
Whitener, Rashida T.	Cell Biology: Cell Biology	B152
Whittington, Catherine F.	Engineering, Physics & Mathematics: Bioengineering (Grad/Awardee Section)	C005
Wilder, Vertis M.	Microbiology: Bacteriology	E079
Wilkerson, Montell	Microbiology: Environmental Microbiology	D082
Wilkes, Charles E.	Engineering, Physics & Mathematics: Mathematics	F109
Wilkins, Juan	Biochemistry: Biochemistry	E186
Willett, Hadassah D.	Immunology: Immunology	F098
Williams, Baraka S.	Microbiology: Bacteriology (Grad/Awardee Section)	B009
Williams, Brittany	Engineering, Physics & Mathematics: Bioengineering	C128
Williams, Cindi-Ann T.	Immunology: Immunology	C107
Williams, Dale M.	Physiology: Toxicology	G052
Williams, Delvin	Biochemistry: Metabolism	F179
Williams, Ebonee	Cancer Biology: Cancer Biology (Grad/Awardee Section)	G001
Williams, Kimtrele	Microbiology: Bacteriology	D086

Williams, Michael R.	Cell Biology: Cell Biology	A160
Williams, Monique M.	Cancer Biology: Cancer Biology	D176
Williams, Robert W.	Immunology: Immunology	C112
Williams, T'Shane C.	Microbiology: Environmental Microbiology	C095
Williams, Travis	Engineering, Physics & Mathematics: Mathematics	G116
Williamson, Avery N.	Immunology: Immunology	A104
Wills, Christopher A.	Chemistry: Inorganic Chemistry	G142
Wilson, Brittni	Social & Behavioral Sciences & Public Health: Public Health & Epidemiology	B029
Wilson, Jordan S.	Biochemistry: Biochemistry	G184
Wilson, Nana O.	Biochemistry: Biochemistry (Grad/Awardee Section)	D021
Wise, Christopher D.	Physiology: Toxicology	C040
Woappi, Yvon L.	Microbiology: Bacteriology	A084
Womack, Kandas	Cell Biology: Molecular Imaging	E162
Woodard, Mark J.	Molecular & Computational Biology: Bioinformatics	D071
Woods, Catherine C.	Social & Behavioral Sciences & Public Health: Psychology	G027
Woods, Grace	Social & Behavioral Sciences & Public Health: Psychology	O47
Woolery, Kamisha T.	Cancer Biology: Cancer Biology (Grad/Awardee Section)	C022
Wren, Melanie N.	Microbiology: Bacteriology	C093
Wright, Courtney	Microbiology: Virology	C087
Wright, Courtney	Chemistry: Organic Chemistry	G147
Wright, Danielle	Biochemistry: Biochemistry	C219
Wright, Michelle	Social & Behavioral Sciences & Public Health: Psychology	G039
Wynder, Jalissa L.	Biochemistry: Biochemistry	O49
Wynter, Janella J.	Molecular & Computational Biology: Genomics	A072
Yakubu, Rauta A.	Biochemistry: Structural Biology	B182
Yearby, Letitia	Cancer Biology: Cancer Biology	D177
Yohannes, Hiyab G.	Physiology: Physiology	O92
Young, Brandon F.	Cell Biology: Cell Biology	F161
Young, Candice T.	Molecular & Computational Biology: Bioinformatics (Grad/Awardee Section)	C019
Young, Cornell	Cancer Biology: Cancer Biology	G172
Young, Ebonne	Social & Behavioral Sciences & Public Health: Psychology	B034
Young, Joseph K.	Engineering, Physics & Mathematics: Biophysics (Grad/Awardee Section)	G002
Young, Talearia D.	Cancer Biology: Cancer Biology	B169
Young, Travis	Social & Behavioral Sciences & Public Health: Psychology	G034
Younger, Kenisha M.	Immunology: Immunology	B102
Zacarese, Yvonne	Cancer Biology: Cancer Biology	G166
Zaki, Theodore D.	Microbiology: Environmental Microbiology	G079
Zambrana-Echevarria, Cristina	Cell Biology: Plant Biology	O11
Zamudio, Antonio J.	Immunology: Immunology	C106
Zapata, Estefania	Cancer Biology: Cancer Biology	C197
Zayas, Paola Y.	Molecular & Computational Biology: Proteomics	C077
Zeglam, Sammer	Cell Biology: Cell Biology	F158
Zenteno, Pablo	Immunology: Immunology	G104
Zhang, Zijuan	Chemistry: Organic Chemistry (Grad/Awardee Section)	C015
Zuniga, Melina Y.	Neuroscience: Neuroscience	C059



“A program model that should be duplicated around the country to encourage students interested in math and science. Phenomenal program!”

2009 FACULTY PARTICIPANT



Exhibits Program

Exhibitor By Booth Number

◆ = New Exhibitor

100	American Association for the Advancement of Science (AAAS) , Education and Human Resources/Science and Policy Program	225	Washington University in St. Louis , Division of Biology and Biomedical Sciences
102	University of Arkansas for Medical Sciences , Graduate School	227	University of Chicago , Medical Scientist Training Program
104	Colorado State University , Graduate School	229	University of Chicago , Biological Sciences Division
106	American Association of Veterinary Medical Colleges (AAVMC)	231	University of Florida , College of Medicine
108	University of Colorado Boulder , Colorado Diversity Initiative	233	Dartmouth College , Graduate Studies
110	Albert Einstein College of Medicine , Graduate Division of Biomedical Sciences	235	University of Miami School of Medicine , Office of Graduate & Postdoctoral Studies/MD/PhD Program
112	University of Pittsburgh , Medical Scientist Training Program	237	Claflin University , Biology
114	NIGMS Grants Management	239	U.S. Environmental Protection Agency, Office of Research and Development , National Health and Environmental Effects Research Laboratory
116	Hunter College, CUNY , Center for Study of Gene Structure & Function	241	U.S. Environmental Protection Agency , Office of Research and Development
118	Drexel University College of Medicine , Biomedical Graduate Studies	243	University of Nebraska Medical Center , MD PhD Scholars Program
120	University of Pittsburgh , Graduate Studies	245	University of Nebraska-Lincoln , Office of Graduate Studies
122	University of Pittsburgh , Office of Health Sciences Diversity	300, 301, 302, 303, 304, 305	FASEB MARC Program
124 ◆	Monsanto Company , Technology	307	American Association of Anatomists
126	Wistar Institute	308	International Society for Computational Biology
128	The Children's Hospital of Philadelphia , Research	309 ◆	American College of Sports Medicine
130	University of Pennsylvania , Biomedical Postdoctoral Programs	310	The Endocrine Society , Meetings and Education
132	University of Pennsylvania , Biomedical Graduate Studies	311	American Physiological Society , Education Office
201	Columbia University Medical Center , Office of Graduate Affairs	312	Association of Biomolecular Resource Facilities (ABRF)
203	North Carolina State University , The Graduate School	313	Biomedical Engineering Society , Student Affairs
205	Keystone Symposia on Molecular and Cell , Diversity in Life Science Programs	314	Society for Developmental Biology
209	St. Jude Children's Research Hospital , Academic Programs	315	American Society for Investigative Pathology (ASIP)
211	University of Alabama - Birmingham	316	American Society for Nutrition
213	The Medical College of Wisconsin , The Graduate School of Biomedical Science	317	Society for the Study of Reproduction (SSR)
215	West Virginia University , Health Sciences Center	318	Genetics Society of America , Education
217	Virginia Commonwealth University , School of Medicine / Graduate Education Program	319	The Histochemical Society , Marketing and Communications
219	University of Rochester , School of Medicine	320	American Society for Biochemistry & Molecular Biology , Minority Affairs Committee/Meetings Dept.
221	University of Rochester , Arts, Sciences and Engineering	321	American Society for Pharmacology and Experimental Therapeutics ,
		324	Eastern Virginia Medical School
		325	Georgia Health Sciences University , College of Graduate Studies

326	Biophysical Society	409	University of North Carolina at Chapel Hill, BBSP
327	Harvard University, Graduate School of Arts & Sciences	410	Cornell University, Graduate School
328	University of Texas at Austin, Institute for Cell & Molecular Biology	411	Novartis Institutes for BioMedical Research, Education, Diversity & Inclusion
329	Harvard University, Molecular & Cellular Biology	412	University of Washington, Department of Medicinal Chemistry
330	Oregon Health & Science University, Office of Graduate Studies	413 ♦	University of Missouri, Nursing
331	Harvard University, School of Engineering and Applied Sciences	414	University of Washington, School of Public Health
332 ♦	Kent State University, College of Public Health	415 ♦	University of Missouri, School of Health Professions
333	Harvard University, GSAS, Biophysics, Systems Bio, Chemical Biology	416	University of Washington
334	American Association of Colleges of Osteopathic Medicine, AACOM-AACOMAS	417	University of Missouri, School of Medicine
335	Harvard School of Public Health, Admissions/Department of Epidemiology	418	University of Washington, Molecular and Cellular Biology Graduate Program (MCB)
336	University of Buffalo, Research & Graduate Education	419	University of Missouri, Division of Biological Sciences
337	Harvard University, Division of Medical Sciences	420	Fred Hutchinson Cancer Research Center, Administration/ Human Resources
338	Michigan State University, The Graduate School	421	University of Missouri, Graduate Life Sciences Program
339	Society of Toxicology	424	American Society of Plant Biologists, Minority Affairs Committee
340	The Graduate Center, CUNY, AGEP Program	425	University of Alabama at Birmingham, Vision Sciences
341	Indiana University - Bloomington, Dept of Biology	426	Princeton University, Molecular Biology
342	Arizona State University, Graduate College	427	Merck, University & Diversity Recruiting
343 ♦	Procter & Gamble, Doctoral Recruiting	428	Brandeis University, Division of Science
344	University of Iowa, Graduate College	429	Saint Louis University, Pharmacological & Physiological Sciences
345	Clark Atlanta Univeristy, Office of Graduate Studies	430	University of Illinois at Chicago, Graduate College
444	American Society for Microbiology, Education Department	431	University of Wisconsin-Madison, Endo/Repro/Pharm/Tox
400	Cornell University, Weill Cornell Graduate School of Medicine	432	The Commonwealth Medical College, Office of Admissions
401	NYU School of Medicine, Sackler Institute	433	National Research Council/National Academies, Fellowship Programs
402	Weill Cornell/Rockefeller/Sloan Kettering, Tri-Institutional MD Ph.D. Program	434	Indiana University-Purdue University Indianapolis & IU School of Medicine Graduate Division
403	NYU School of Medicine	435	American Heart Association
404	Memorial Sloan-Kettering Cancer Center, Gerstner Sloan-Kettering Graduate School	436 ♦	University of Kentucky, COM - MD/PhD program
405	Cold Spring Harbor Laboratory, Watson School of Biological Sciences	437	Philadelphia College of Osteopathic Medicine, Office of Admissions
406	The Rockefeller University, Office of Graduate Studies	438	Howard Hughes Medical Institute, Science Education
408	Weill Cornell Medical College, Tri-Institutional Ph.D. Program	439	UNCF Special Programs Corporation, Workforce Development

- 440 ◆ **Kansas City University of Medicine and Biosciences**, Office of Admissions
- 441 **SUNY Downstate Medical Center**, School of Graduate Studies
- 442 **University of Southern California**, Programs in Biomedical and Biological Sciences
- 443 **Stony Brook University**, Center for Inclusive Education
- 445 **University of Massachusetts Worcester**, Graduate School of Biomedical Sciences
- 500 **American Chemical Society**, Office of Diversity Programs
- 501 **National Institutes of Health**, National Institute of General Medical Sciences
- 502 **University of Cincinnati College of Medicine**, Office of Research & Graduate Education
- 503 **National Institute of Environmental Health Science**, Office of Science Education and Diversity
- 504 **The Young Scientist (Spectrum Publishers)**, Publishers
- 505 **University of Connecticut**, Graduate School
- 507 **University of Connecticut Health Center**, Graduate School
- 508 **Emory University**, Graduate Division of Biological and Biomedical Sciences
- 509 **Emory University School of Medicine**, Office of Postdoctoral Education
- 510 **Emory University**
- 511 **Center to Reduce Cancer Health Disparities**
- 512 **Emory University School of Medicine**, MD/PhD Program
- 513 ◆ **Naval Research Laboratory**, Center for Bio/Molecular Science and Engineering
- 514 **University of Maryland College Park**, College of Computer Mathematics and Natural Sciences
- 515 ◆ **Emory University**, Department of Psychology
- 516 **University of South Carolina**, The Graduate School
- 517 **NIH**, National Institute of Arthritis and Musculoskeletal and Skin Disease
- 518 **Medical University of South Carolina**, College of Graduate Studies
- 519 **National Institutes of Health**, Office of Intramural Training & Education
- 520 **Rutgers University**, Graduate School-New Brunswick
- 521 **National Institutes of Health**, Office of Intramural Training & Education

- 524, 526 **University of Alabama at Birmingham**, Graduate Biomedical Sciences
- 525 **NCI - National Cancer Institute**, NIH/DHHS
- 527 **MIDAS**
- 528, 530 **University of Wisconsin-Madison**, Cellular & Molecular Biology
- 529 **National Institute of Dental and Craniofacial Research (NIDCR)**, Department of Intramural Research (DIR)
- 531 **National Heart, Lung, and Blood Institute**,
- 532 **University of California, Berkeley**, Division of Biological Sciences
- 533 **NIH/National Institute of Allergy and Infectious Diseases (NIAID)**, DEA/OSPRT
- 534 **University of California, San Francisco**, Graduate Division
- 535 **National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)**, Office of Minority Health Research Coordination
- 536 **University of California, San Francisco**, MSTP
- 537 **NIH/National Institute of Mental Health**
- 538 **Johns Hopkins University Krieger School of Arts and Sciences**,
- 539 **University of Delaware**, Biological Sciences Department
- 540 **Johns Hopkins University**, Medicine/Office of Graduate Student Affairs
- 541 **NIH/National Human Genome Research Institute**, Communications
- 542 **Johns Hopkins University School of Medicine**, MD/PhD Program
- 543 ◆ **NIH/Office of Human Resources**, Corporate Recruitment
- 544 **Johns Hopkins University**, Bloomberg School of Public Health
- 545 **National Institute of Neurological Disorders and Stroke (NINDS)**
- 600 **Gulf Coast Consortia**
- 601, 700 **UCLA**, ACCESS
- 602 **Baylor College of Medicine**, Graduate School of Biomedical Sciences
- 603 **Case Western Reserve University School of Medicine**, Office of Graduate Education
- 604 **Rice University**, Biochemistry & Cell Biology
- 605 **University of Kansas**, Office of Graduate Studies

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| <p>606 University of Texas - Health Science Center, Graduate School of Biomedical Science</p> <p>608 University of Texas Medical Branch, Graduate School of Biomedical Science</p> <p>609 Vanderbilt University Medical Center, Office of Biomedical Research Education & Training</p> <p>610 University of Arizona, Graduate College</p> <p>611 Amgen Scholars Program</p> <p>612 University of Arizona, College of Engineering and BMB</p> <p>613 The Jackson Laboratory, Education</p> <p>614 Tufts University - Sackler School of Graduate Biomedical Sciences</p> <p>615 Rutgers - The State University of New Jersey, Graduate School</p> <p>616 Ross University School of Medicine</p> <p>617 MIT, Biology & Neuroscience</p> <p>618 Wayne State University, IMSD Program</p> <p>619, 621 University of Michigan, Program in Biomedical Sciences</p> <p>620 Mayo Clinic, Mayo Graduate School & Mayo Medical Education</p> <p>624 University of Minnesota, Biomedical Sciences Graduates Program</p> <p>625 University of Virginia, Biomedical Sciences</p> <p>626 University of Minnesota, Medical Scientist Training Program</p> <p>627 American Society for Cell Biology, Minorities Affairs</p> <p>628 Cleveland Clinic Lerner College of Medicine, Admissions & Student Affairs</p> <p>629 Thomas Jefferson University, Jefferson College of Graduate Studies</p> <p>630 The Scripps Research Institute, Kellog School of Science and Technology</p> <p>631 University of Oregon, Department of Biology</p> <p>632 Meharry Medical College, School of Graduate Studies and Research</p> <p>633 Georgetown University, Biomedical Graduate Education</p> <p>634 University of Texas MD Anderson Cancer Center, Cancer Prevention Research Training Program</p> <p>635 George Washington University, Electrical & Computer Engineering</p> <p>636 Marshall University Joan C. Edwards School of Medicine, Biomedical Sciences, M.S., Ph.D.</p> | <p>637 Iowa State University, Life Sciences Graduate Program</p> <p>638 Marshall University Joan C. Edwards School of Medicine, Office of Students Affairs</p> <p>639 Duke University, School of Medicine</p> <p>640 University of Maryland School of Medicine, MSTP and GPILS Program</p> <p>641 Duke University, Graduate School</p> <p>642 UMBC, Meyerhoff Graduate Fellows Program</p> <p>643 Tulane University, Grad. Program in Biomedical Sciences</p> <p>644 University of Utah, Molecular Biology & Biological Chemistry</p> <p>645 University of Colorado Denver/Anschutz Medical Campus, Graduate School</p> <p>701 Stanford University, School of Medicine/Biosciences Ph.D. Program</p> <p>702 The University of Medicine & Dentistry of New Jersey - School of Osteopathic Medicine, Admissions Office</p> <p>703 Stanford University, School of Earth Sciences Graduate Programs</p> <p>704 United Negro College Fund, Inc., UNCF/Merck Science Initiative</p> <p>705 Carnegie Mellon University, Mellon College of Science</p> <p>707 University of North Texas Health Sciences, Graduate School of Biomedical Science</p> <p>708 Vanderbilt University School Medicine, Office for Diversity in Medical Education</p> <p>709 University of Maine - NEAGEP, Graduate School</p> <p>710 Boston University, Undergraduate Research Office</p> <p>711 City of Hope, Graduate School</p> <p>712 Washington State University, Graduate School</p> <p>713 American Association for Cancer Research, Membership</p> <p>714 Rensselaer Polytechnic Institute, Graduate Admissions</p> <p>715 The Ohio State University, Medical Scientist Training Program</p> <p>716 Des Moines University, Master of Science in Biomedical Sciences</p> <p>717 The University of Alabama, College of Arts & Sciences</p> <p>718 Texas Tech University Health Sciences Center, Graduate School of Biomedical Sciences</p> <p>719 University of Tennessee-Knoxville, Biochemistry, Cellular and Molecular Biology</p> <p>720 University of South Florida, College of Engineering</p> |
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721	Purdue University , Department of Biological Sciences
724	University of California, Davis , Graduate Studies
725	University of California, Irvine , Graduate Division
726	University of California, Riverside , Graduate Division
727	University of California, San Diego , Office of Graduate Studies
728	University of California, Santa Cruz , Graduate Division, CBSE Research Mentoring Institute, MARC, IMSD, CAMP, UCLEADS
729	University of California, Santa Barbara , Graduate Division
730	University of California, San Diego , Division of Biological Sciences
731	University of California, Merced , Graduate Division
732	Virginia Polytechnic Institute and State University , Multicultural Academic Opportunities Program
733	Keck Graduate Institute , Office of Admissions
734	Virginia Bioinformatics Institute at Virginia Tech
735	Cedars-Sinai Medical Center , Graduate Program in Biomedical Science & Translational Medicine
736	University of New England , College of Osteopathic Medicine
737	Council on Undergraduate Research
738	Oakland University William Beaumont School of Medicine ,
739	Texas A&M Health Science Center , School of Graduate Studies
740	University of Notre Dame , The Graduate School
741	Oregon State University , Molecular & Cellular Biology Program
742	George Washington University School of Public Health & Health Services
743	Massachusetts Institute of Technology , Biological Engineering
744	University of Colorado Denver/Anschutz Medical Campus , Graduate School
745	University of New Mexico , Biomedical Sciences Graduate Program
800	Morehouse School of Medicine , Graduate Education in Biomedical Science

802	Broad Institute of MIT and Harvard , Diversity Initiative Program
804	Northwestern University , The Graduate School
806	Campbell University , College of Pharmacy & Health Sciences
808	Morehouse College , The Public Health Sciences Institute
810	Penn State University , Graduate Educational Equity Programs
812	Penn State University College of Medicine , MD/PhD Program
814	Penn State College of Medicine , Biomedical Sciences Program
816	North Carolina A&T State University , College of Arts and Science/Biology
818	University of Toledo , Office of Medical Ed & Diversity
820	University of Texas Southwestern Medical Center at Dallas , Medical Scientist Training Program and PhD Program, Division of Basic Science
824	Cincinnati Children's Research Foundation , Research Administration
826	Yale University , Molecular Biophysics and Biochemistry / Biophysics Program
828	Yale University , Yale Biological and Biomedical Sciences Program
830	Yale University , Biological and Biomedical Sciences
832	Texas Chiropractic College , Admissions
834	Jacksonville State University , Biology Department
836	Western University , Office of University Recruitment
838	University of Illinois , Graduate College
839	Nova Southeastern University
840	Texas A&M University , Office of Graduate Studies
841	Auburn University
842	Loyola University Chicago , Pharmacology
843	Tuskegee University
844	Brown University , Graduate School
845	University of Massachusetts – Amherst

Exhibitor List (Alphabetical Order)



Albert Einstein College of Medicine , Graduate Division of Biomedical Sciences	Booth: 110
American Association for Cancer Research , Membership	Booth: 713
American Association for the Advancement of Science (AAAS) , Education and Human Resources/Science and Policy Program	Booth: 100
American Association of Anatomists	Booth: 307
American Association of Colleges of Osteopathic Medicine , AACOM-AACOMAS	Booth: 334
American Association of Veterinary Medical Colleges (AAVMC)	Booth: 106
American Chemical Society , Office of Diversity Programs	Booth: 500
♦ American College of Sports Medicine	Booth: 309
American Heart Association	Booth: 435
American Physiological Society , Education Office	Booth: 311
American Society for Biochemistry & Molecular Biology , Minority Affairs Committee/Meetings Dept.	Booth: 320
American Society for Cell Biology , Minorities Affairs	Booth: 627
American Society for Investigative Pathology	Booth: 315
American Society for Microbiology , Education Department	Booth: 444
American Society for Nutrition	Booth: 316
American Society for Pharmacology and Experimental Therapeutics	Booth: 321
American Society of Plant Biologists , Minority Affairs Committee	Booth: 424
Amgen Scholars Program	Booth: 611
Arizona State University , Graduate College	Booth: 342
Association of Biomolecular Resource Facilities (ABRF)	Booth: 312
Auburn University	Booth: 841
Baylor College of Medicine , Graduate School of Biomedical Sciences	Booth: 602
Biomedical Engineering Society , Student Affairs	Booth: 313
Biophysical Society	Booth: 326
Boston University , Undergraduate Research Office	Booth: 710
Brandeis University , Division of Science	Booth: 428
Broad Institute of MIT and Harvard , Diversity Initiative Program	Booth: 802
Brown University , Graduate School	Booth: 844
Campbell University , College of Pharmacy & Health Sciences	Booth: 806
Carnegie Mellon University , Mellon College of Science	Booth: 705
Case Western Reserve University School of Medicine , Office of Graduate Education	Booth: 603
Cedars-Sinai Medical Center , Graduate Program in Biomedical Science & Translational Medicine	Booth: 735
Center to Reduce Cancer Health Disparities	Booth: 511
Cincinnati Children's Research Foundation , Research Administration	Booth: 824
City of Hope , Graduate School	Booth: 711
Clafin University , Biology	Booth: 237
Clark Atlanta University	Booth: 345
Cleveland Clinic Lerner College of Medicine , Admissions & Student Affairs	Booth: 628
Cold Spring Harbor Laboratory , Watson School of Biological Sciences	Booth: 405
Colorado State University , Graduate School	Booth: 104
Columbia University Medical Center , Office of Graduate Affairs	Booth: 201
Cornell University , Graduate School	Booth: 410
Cornell University , Weill Cornell Graduate School of Medicine	Booth: 400
♦ Council on Undergraduate Research	Booth: 737
Dartmouth College , Graduate Studies	Booth: 233
Des Moines University , Master of Science in Biomedical Sciences	Booth: 716
Drexel University College of Medicine , Biomedical Graduate Studies	Booth: 118
Duke University , Graduate School	Booth: 641
Duke University , School of Medicine	Booth: 639
Eastern Virginia Medical School	Booth: 324
♦ Emory University , Department of Psychology	Booth: 515
Emory University , Graduate Division of Biological and Biomedical Sciences	Booth: 508, 510
Emory University School of Medicine , MD/PhD Program	Booth: 512
Emory University School of Medicine , Office of Postdoctoral Education	Booth: 509

Exhibitor List (Alphabetical Order) (continued)

◆ = New Exhibitor

FASEB MARC Program	Booths: 300, 301, 302, 303, 304, 305
Fred Hutchinson Cancer Research Center , Administration/Human Resources	Booth: 420
Genetics Society of America , Education	Booth: 318
◆ George Washington University , Electrical & Computer Engineering	Booth: 635
◆ George Washington University School of Public Health & Health Services	Booth: 742
Georgetown University , Biomedical Graduate Education	Booth: 633
Georgia Health Sciences University , College of Graduate Studies	Booth: 325
Gulf Coast Consortia	Booth: 600
Harvard School of Public Health , Admissions/Department of Epidemiology	Booth: 335
Harvard University , Division of Medical Sciences	Booth: 337
Harvard University , Graduate School of Arts & Sciences	Booth: 327
Harvard University , Molecular & Cellular Biology	Booth: 329
Harvard University , School of Engineering and Applied Sciences	Booth: 331
Harvard University, GSAS , Biophysics, Systems Bio, Chemical Biology	Booth: 333
Howard Hughes Medical Institute , Science Education	Booth: 438
Hunter College, CUNY , Center for Study of Gene Structure & Function	Booth: 116
Indiana University - Bloomington , Dept of Biology	Booth: 341
Indiana University-Purdue University Indianapolis & IU School of Medicine Graduate Division	Booth: 434
International Society for Computational Biology	Booth: 308
Iowa State University , Life Sciences Graduate Program	Booth: 637
Jacksonville State University , Biology Department	Booth: 834
Johns Hopkins University , Medicine/Office of Graduate Student Affairs	Booth: 540
Johns Hopkins University , Bloomberg School of Public Health	Booth: 544
Johns Hopkins University Krieger School of Arts and Sciences	Booth: 538
Johns Hopkins University School of Medicine , MD/PhD Program	Booth: 542
◆ Kansas City University of Medicine and Biosciences , Office of Admissions	Booth: 440
Keck Graduate Institute , Office of Admissions	Booth: 733
◆ Kent State University , College of Public Health	Booth: 332
Keystone Symposia on Molecular and Cell , Diversity in Life Science Programs	Booth: 205
Loyola University Chicago , Pharmacology	Booth: 842
◆ Marshall University Joan C. Edwards School of Medicine , Office of Students Affairs	Booth: 638
Marshall University Joan C. Edwards School of Medicine , Biomedical Sciences, M.S., Ph.D.	Booth: 636
Massachusetts Institute of Technology , Biological Engineering	Booth: 743
Mayo Clinic , Mayo Graduate School & Mayo Medical Education	Booth: 620
Medical University of South Carolina , College of Graduate Studies	Booth: 518
Meharry Medical College , School of Graduate Studies and Research	Booth: 632
Memorial Sloan-Kettering Cancer Center , Gerstner Sloan-Kettering Graduate School	Booth: 404
Merck , University & Diversity Recruiting	Booth: 427
Michigan State University , The Graduate School	Booth: 338
MIDAS	Booth: 527
MIT , Biology & Neuroscience	Booth: 617
◆ Monsanto Company , Technology	Booth: 124
Morehouse College , The Public Health Sciences Institute	Booth: 808
Morehouse School of Medicine , Graduate Education in Biomedical Science	Booth: 800
National Heart, Lung, and Blood Institute	Booth: 531
National Institute of Dental and Craniofacial Research (NIDCR) , Department of Intramural Research (DIR)	Booth: 529
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) , Office of Minority Health Research Coordination	Booth: 535
National Institute of Environmental Health Science , Office of Science Education and Diversity	Booth: 503
National Institutes of Health , Office of Intramural Training & Education	Booth: 519
National Institutes of Health , Office of Intramural Training & Education	Booth: 521
National Institutes of Health , National Institute of General Medical Sciences	Booth: 501
National Institute of Neurological Disorders and Stroke (NINDS)	Booth: 545
National Research Council/National Academies , Fellowship Programs	Booth: 433
◆ Naval Research Laboratory , Center for Bio/Molecular Science and Engineering	Booth: 513

North Carolina A&T State University , College of Arts and Science/Biology	Booth: 816
North Carolina State University , The Graduate School	Booth: 203
Nova Southeastern University , The Graduate School	Booth: 839
NCI - National Cancer Institute , NIH/DHHS	Booth: 525
NIGMS Grants Management	Booth: 114
NIH , National Institute of Arthritis and Musculoskeletal and Skin Disease	Booth: 517
NIH/National Human Genome Research Institute , Communications	Booth: 541
NIH/National Institute of Allergy and Infectious Diseases (NIAID) , DEA/OSPRT	Booth: 533
NIH/National Institute of Mental Health	Booth: 537
NIH/Office of Human Resources , Corporate Recruitment	Booth: 543
Northwestern University , The Graduate School	Booth: 804
Novartis Institutes for BioMedical Research , Education, Diversity & Inclusion	Booth: 411
NYU School of Medicine , Sackler Institute	Booth: 401
NYU School of Medicine	Booth: 403
◆ Oakland University William Beaumont School of Medicine	Booth: 738
Oregon Health & Science University , Office of Graduate Studies	Booth: 330
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◆ Penn State College of Medicine , Biomedical Sciences Program	Booth: 814
Penn State University , Graduate Educational Equity Programs	Booth: 810
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Philadelphia College of Osteopathic Medicine , Office of Admissions	Booth: 437
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◆ Procter & Gamble , Doctoral Recruiting	Booth: 343
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Rensselaer Polytechnic Institute , Graduate Admissions	Booth: 714
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Rutgers - The State University of New Jersey , Graduate School	Booth: 615
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The Commonwealth Medical College , Office of Admissions	Booth: 432
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The Graduate Center, CUNY , CUNY AGEP Program	Booth: 340
The Histochemical Society , Marketing and Communications	Booth: 319
The Jackson Laboratory , Education	Booth: 613
The Medical College of Wisconsin , The Graduate School of Biomedical Science	Booth: 213
The Ohio State University , Medical Scientist Training Program	Booth: 715
The Rockefeller University , Office of Graduate Studies	Booth: 406
The Scripps Research Institute , Kellog School of Science and Technology	Booth: 630
The University of Alabama , College of Arts & Sciences	Booth: 717
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Exhibitor List (Alphabetical Order) (continued)

◆ = New Exhibitor

The Young Scientist (Spectrum Publishers), Publishers	Booth: 504
Thomas Jefferson University, Jefferson College of Graduate Studies	Booth: 629
Tufts University - Sackler School of Graduate Biomedical Sciences	Booth: 614
Tulane University, Grad. Program in Biomedical Sciences	Booth: 643
Tuskegee University	Booth: 843
U.S. Environmental Protection Agency, Office of Research and Development	Booth: 241
U.S. Environmental Protection Agency, Office of Research and Development, National Health and Environmental Effects Research Laboratory	Booth: 239
University of Alabama at Birmingham, Graduate Biomedical Sciences	Booths: 524, 526
University of California, San Diego, Division of Biological Sciences	Booth: 730
University of California, San Diego, Office of Graduate Studies	Booth: 727
University of California, Santa Cruz, Graduate Division, CBSE Research Mentoring Institute, MARC, IMSD, CAMP, UCLEADS	Booth: 728
UCLA, ACCESS	Booths: 601, 700
University of Maine - NEAGEP, Graduate School	Booth: 709
UMBC, Meyerhoff Graduate Fellows Program	Booth: 642
UNCF Special Programs Corporation, Workforce Development	Booth: 439
United Negro College Fund, Inc., UNCF/Merck Science Initiative	Booth: 704
University of Alabama – Birmingham	Booth: 211
University of Alabama at Birmingham, Vision Sciences	Booth: 425
University of Arizona, Graduate College	Booth: 610
University of Arizona, College of Engineering and BMB	Booth: 612
University of Arkansas for Medical Sciences, Graduate School	Booth: 102
University of Buffalo, Research & Graduate Education	Booth: 336
University of California, Berkeley, Division of Biological Sciences	Booth: 532
University of California, Davis, Graduate Studies	Booth: 724
University of California, Irvine, Graduate Division	Booth: 725
University of California, Merced, Graduate Division	Booth: 731
University of California, Riverside, Graduate Division	Booth: 726
University of California, San Francisco, MSTP	Booth: 536
University of California, San Francisco, Graduate Division	Booth: 534
University of California, Santa Barbara, Graduate Division	Booth: 729
University of Chicago, Medical Scientist Training Program	Booth: 227
University of Chicago, Biological Sciences Division	Booth: 229
University of Cincinnati College of Medicine, Office of Research & Graduate Education	Booth: 502
University of Colorado Boulder, Colorado Diversity Initiative	Booth: 108
University of Colorado Denver/Anschutz Medical Campus, Graduate School	Booth: 744, 645
University of Connecticut, Graduate School	Booth: 505
University of Connecticut Health Center, Graduate School	Booth: 507
◆ University of Delaware, Biological Sciences Department	Booth: 539
University of Florida, College of Medicine	Booth: 231
University of Illinois, Graduate College	Booth: 838
University of Illinois at Chicago, Graduate College	Booth: 430
University of Iowa, Graduate College	Booth: 344
University of Kansas, Office of Graduate Studies	Booth: 605
◆ University of Kentucky, COM - MD/PhD program	Booth: 436
University of Maryland College Park, College of Computer Mathematics and Natural Sciences	Booth: 514
University of Maryland School of Medicine, MSTP and GPILS Program	Booth: 640
University of Massachusetts – Amherst	Booth: 845
University of Massachusetts Worcester, Graduate School of Biomedical Sciences	Booth: 445
University of Miami School of Medicine, Office of Graduate & Postdoctoral Studies/MD/PhD Program	Booth: 235
University of Michigan, Program in Biomedical Sciences	Booths: 619, 621
University of Minnesota, Medical Scientist Training Program	Booth: 626
University of Minnesota, Biomedical Sciences Graduates Program	Booth: 624
University of Missouri, Graduate Life Sciences Program	Booth: 421

University of Missouri , Division of Biological Sciences	Booth: 419
◆ University of Missouri , School of Health Professions	Booth: 415
University of Missouri , School of Medicine	Booth: 417
◆ University of Missouri , Nursing	Booth: 413
University of Nebraska Medical Center , MD PhD Scholars Program	Booth: 243
University of Nebraska-Lincoln , Office of Graduate Studies	Booth: 245
◆ University of New England , College of Osteopathic Medicine	Booth: 736
University of New Mexico , Biomedical Sciences Graduate Program	Booth: 745
University of North Carolina at Chapel Hill , BBSP	Booth: 409
University of North Texas Health Sciences , Graduate School of Biomedical Science	Booth: 707
University of Notre Dame , The Graduate School	Booth: 740
University of Oregon , Department of Biology	Booth: 631
University of Pennsylvania , Biomedical Postdoctoral Programs	Booth: 130
University of Pennsylvania , Biomedical Graduate Studies	Booth: 132
University of Pittsburgh , Office of Health Sciences Diversity	Booth: 122
University of Pittsburgh , Medical Scientist Training Program	Booth: 112
University of Pittsburgh , Graduate Studies	Booth: 120
University of Rochester , Arts, Sciences and Engineering	Booth: 221
University of Rochester , School of Medicine	Booth: 219
University of South Carolina , The Graduate School	Booth: 516
◆ University of South Florida , College of Engineering	Booth: 720
University of Southern California , Programs in Biomedical and Biological Sciences	Booth: 442
University of Tennessee-Knoxville , Biochemistry, Cellular and Molecular Biology	Booth: 719
University of Texas - Health Science Center , Graduate School of Biomedical Science	Booth: 606
University of Texas at Austin , Institute for Cell & Molecular Biology	Booth: 328
University of Texas Medical Branch , Graduate School of Biomedical Science	Booth: 608
University of Texas Southwestern Medical Center at Dallas , Medical Scientist Training Program and PhD Program, Division of Basic Science	Booth: 820
University of Toledo , Office of Medical Ed & Diversity	Booth: 818
University of Utah , Molecular Biology & Biological Chemistry	Booth: 644
University of Virginia , Biomedical Sciences	Booth: 625
University of Washington	Booth: 416
University of Washington , Department of Medicinal Chemistry	Booth: 412
University of Washington , Molecular and Cellular Biology Graduate Program (MCB)	Booth: 418
University of Washington , School of Public Health	Booth: 414
University of Wisconsin-Madison , Cellular & Molecular Biology	Booths: 528, 530
University of Wisconsin-Madison , Endo/Repro/Pharm/Tox	Booth: 431
University of Texas MD Anderson Cancer Center , Cancer Prevention Research Training Program	Booth: 634
Vanderbilt University Medical Center , Office of Biomedical Research Education & Training	Booth: 609
Vanderbilt University School Medicine , Office for Diversity in Medical Education	Booth: 708
Virginia Bioinformatics Institute at Virginia Tech	Booth: 734
Virginia Commonwealth University , School of Medicine / Graduate Education Program	Booth: 217
Virginia Polytechnic Institute and State University , Multicultural Academic Opportunities Program	Booth: 732
Washington State University , Graduate School	Booth: 712
Washington University in St. Louis , Division of Biology and Biomedical Sciences	Booth: 225
Wayne State University , IMSD Program	Booth: 618
Weill Cornell Medical College , Tri-Institutional Ph.D. Program	Booth: 408
Weill Cornell/Rockefeller/Sloan Kettering , Tri-Institutional MD Ph.D. Program	Booth: 402
West Virginia University , Health Sciences Center	Booth: 215
◆ Western University , Office of University Recruitment	Booth: 836
Wistar Institute	Booth: 126
Yale University , Molecular Biophysics and Biochemistry / Biophysics Program	Booth: 826
Yale University , Yale Biological and Biomedical Sciences Program	Booth: 828
Yale University , Biological and Biomedical Sciences	Booth: 830

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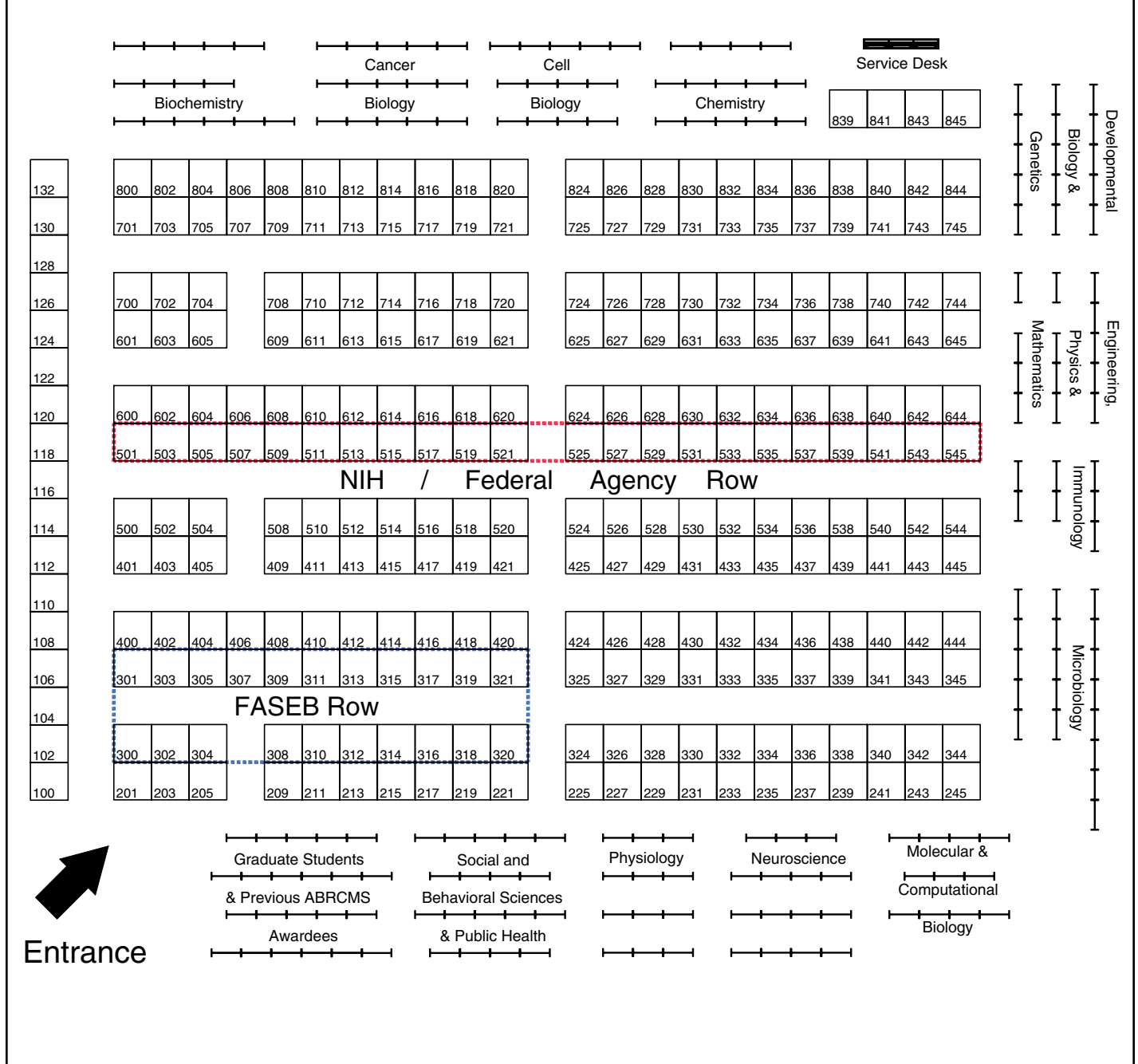
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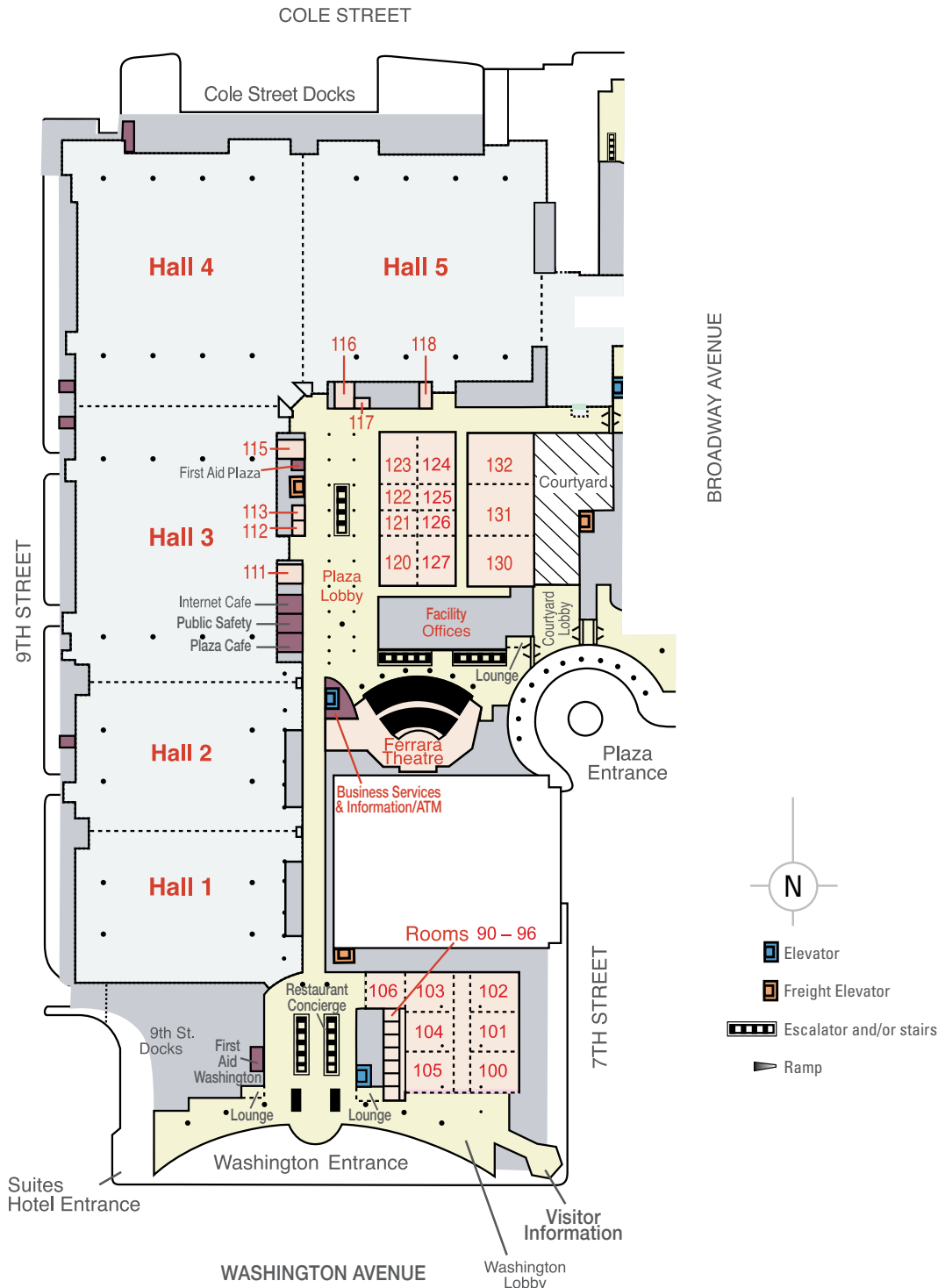
Exhibition Hall Floor Plan

America's Center St. Louis, Missouri Level 1 - Hall 4





America's Center Level 1

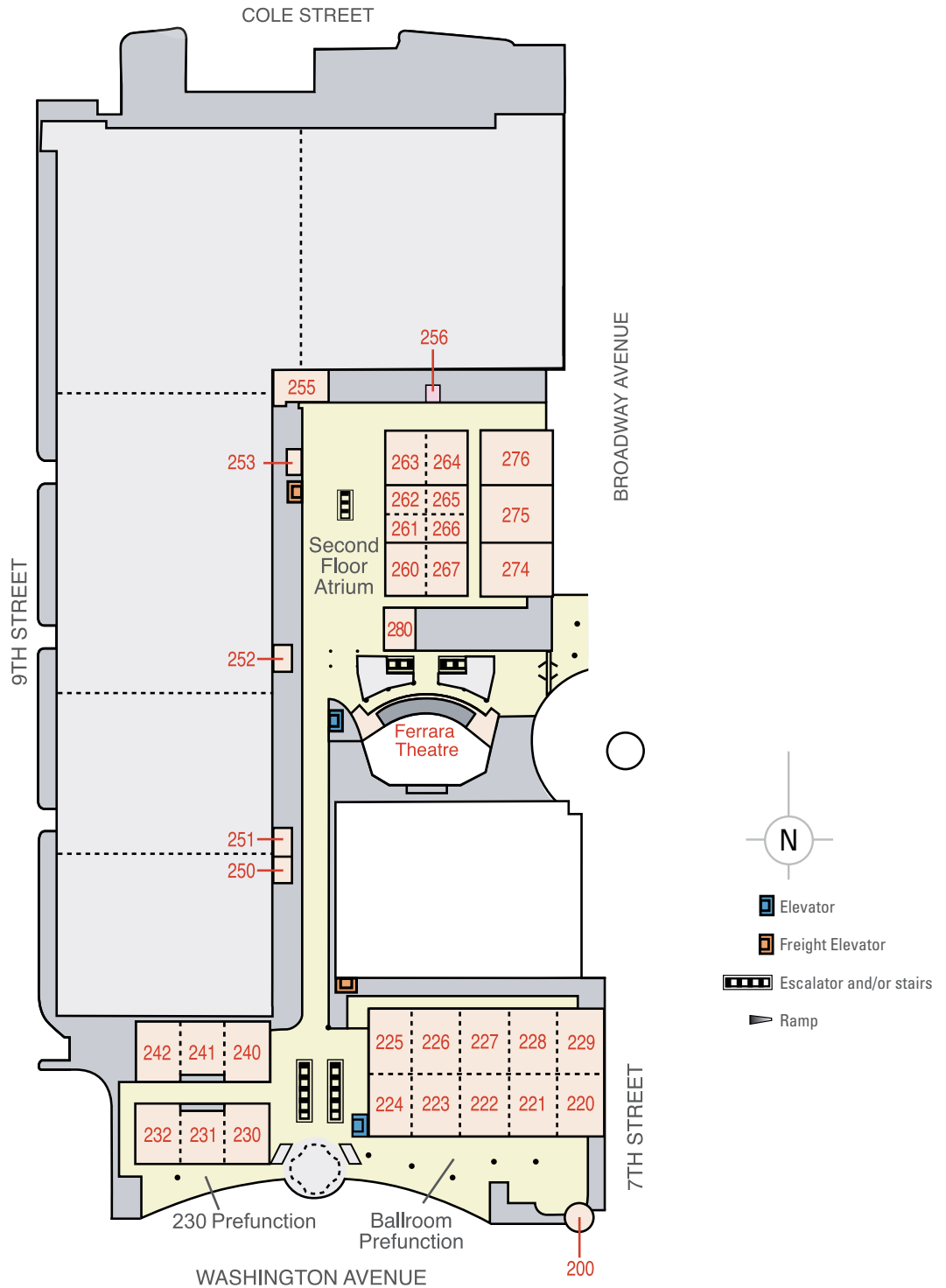


- N
- Elevator
- Freight Elevator
- Escalator and/or stairs
- Ramp

Convention Center Floor Plan



America's Center Level 2



The Annual Biomedical Research Conference for Minority Students (ABRCMS) is the largest multidisciplinary national student conference designed to encourage students to pursue advanced education and training in the biomedical or behavioral sciences, including mathematics, and provide faculty mentors and advisors with resources for facilitating student success. Approximately 3,300 individuals, including 1775 undergraduate students, 275 graduate students, 20 postdoctoral scientists, and 1230 faculty and administrators attend the conference.

One of the main goals of the ABRCMS is to challenge everyone to learn new information and to ask questions about the new information. Each day, take a few moments to share your newly acquired knowledge with another student, faculty member, director, or colleague.

Reflections – All ABRCMS Participants...

Regarding a scientific session...

- What was the speaker's primary message?
- What was the problem or the question under study? How did the speaker resolve the problem or answer the question under study?
- What information is known or unknown about this topic?
- What impact does the research have on improving health and well-being of population?
- Are there any "next steps" to study?

Reflections – Students...

Regarding a professional development session...

- What was the speaker's primary message?
- How could you apply this message in your planning next month, in six months?
- What tools, resources, and/or people do you need to advance further?
- Where can you find these tools, resources, and people?

Reflections – Program Directors, Faculty, Exhibitors, and Program Administrators

It Takes the Community to Raise a Child

According to *MentorNet News* (September 06 issue), advisors of graduate students (and prospective graduate students) should

- "Take students to conferences and introduce them to colleagues. Do not assume that they know how to network; they will need help to develop this vital skill."
- "Encourage students to present posters at a conference starting from their first year. Make them rehearse until they are comfortable with the material and the background. Ask them 'why' they did the work. Ask them questions that you know might be asked. Bring colleagues over to their poster and introduce them. Then stand back and let them do the presentation; step in only if they need you."

Beyond ABRCMS, Moving On

Participating in ABRCMS is a critical juncture for students. It serves as both an end point for a single research experience and a starting point for the journey towards becoming a scientist. For students who conducted research and presented at ABRCMS, it is a time to rejoice and celebrate accomplishments. However, when students leave ABRCMS, they must take the next steps in their journey. These should include continuation of their research experiences, presentations at disciplinary society meetings, and networking with new colleagues.

Students, consider the following:

- Identify six steps to move you along your journey,
- Identify how and when you will complete the first step, second step, etc.,
- Identify the people and resources required to complete the first step, second step, etc.,
- Write an outline of your plan and revisit it regularly.

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See You Next Year!



San Jose, California

November 7 – 10, 2012

Visit www.abrcms.org for more information.