

CONFERENCE PREVIEW



ABRCMS 2025

San Antonio, TX



**Empowering Leaders
of Tomorrow's
Scientific Workforce**



Sponsored and Managed by
**AMERICAN
SOCIETY FOR
MICROBIOLOGY**

NOVEMBER
19-22
2025



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Dear ABRCMS Community,

Welcome to San Antonio and to ABRCMS 2025!

For nearly 25 years, ABRCMS has been a place where students, faculty, and scientists gather to present research, find mentorship, and be reminded that they belong in STEM. Since our inception, more than 87,000 participants have joined us, including over 55,000 students and postdoctoral scientists and 17,000 faculty and program directors. Together, we've celebrated more than 39,000 student presentations and witnessed thousands of journeys toward advanced degrees and careers in science.

This year, we continue that legacy with renewed energy. Across four days, you'll experience research presentations from the 12 scientific disciplines represented, professional development workshops, inspiring plenary talks, and countless opportunities to connect with peers and mentors. Whether this is your first time attending and presenting or you are a returning attendee, your presence is what makes this community thrive.

ABRCMS is more than a scientific conference. It's a movement. Each conversation you have, each poster you present, and each connection you make helps strengthen a more inclusive and innovative scientific workforce. Data show that participation in ABRCMS motivates students to stay in STEM, increases their confidence as scientists, and helps faculty expand their impact as mentors.

San Antonio, with its rich history and vibrant culture, is a fitting backdrop for our time together. Let's use these days to not only share knowledge, but also to dream boldly about the future of STEM — one that reflects the brilliance, resilience, and diversity of all our communities.

On behalf of the American Society for Microbiology and the ABRCMS team, thank you for being here and for all you do to advance equity in science. Your voice matters. Your research matters. And your journey inspires us all.

Here's to a conference filled with discovery, connection, and possibility.

With gratitude and excitement,



Avery August, PhD

Chairperson, ABRCMS
Professor, Cornell University
College of Veterinary Medicine



Irene Hulede

Project Director, ABRCMS
Education Director, American
Society for Microbiology

Dear ABRCMS Attendees,

For more than two decades, ABRCMS has been a national model for supporting students and early-career researchers in science, technology, engineering, and mathematics (STEM), particularly those from backgrounds with historically limited access to research opportunities.

ABRCMS provides a platform for community college, undergraduate, and graduate students to present their work, connect with mentors, and gain the skills needed to pursue their academic and professional goals. Each year, the conference brings together thousands of attendees from across the country, including students, faculty, program administrators, and STEM professionals. In 2024, nearly 7,000 participants joined ABRCMS for scientific symposia, professional development sessions, graduate school and career expos, and a vibrant student research presentation competition.

ABRCMS plays a vital role in shaping the future of science by opening doors for talented students who might not otherwise participate in the scientific enterprise. Scientific progress requires people with different perspectives and experiences coming together to solve complex problems.

That's why we are committed to ensuring that everyone who wants to contribute to science has the opportunity to explore, develop their skills, and determine whether this path is right for them. As the saying goes, "great minds think alike," but in truth, the greatest advances come when great minds think differently.

Personally, ABRCMS is one of my favorite events of the year — a celebration of curiosity, ingenuity, talent, and the boundless potential of the next

generation of scientists. I look forward to attending every year. On my way back from ABRCMS, I often think, "I cannot wait to see what all the budding scientists I met today will go on to accomplish!" It is an exhilarating thought.

The American Society for Microbiology (ASM) has continued the conference without interruption, even when funding decreased or disappeared. We did so because ABRCMS represents more than an event. It is a proven pathway for building the next generation of researchers who can tackle complex problems and provide sound scientific evidence to guide effective policies. Supporting ABRCMS aligns with ASM's mission to promote and advance the microbial sciences and foster a scientific community that reflects the diverse perspectives needed to address the world's greatest challenges.

Over the years, ABRCMS has inspired thousands of students to pursue advanced degrees and research careers. Many past participants have become leaders in academia, government, and industry, often describing ABRCMS as a turning point in their scientific journeys. More than a conference, ABRCMS is a catalyst that sparks ambition, builds confidence, and opens new pathways in science. It provides students with experiences and connections that can transform their career trajectories.

ASM's ongoing support reflects our commitment to fostering a thriving and inclusive scientific community. Looking ahead, we are exploring long-term collaborations and sustainable funding models to ensure ABRCMS remains a cornerstone of opportunity and advancement for generations to come.

With gratitude and optimism,



Stefano Bertuzzi, PhD, MPH

Chief Executive Officer
American Society for Microbiology

Wednesday, November 19

Time	Activity
12:00 p.m. - 8:00 p.m.	Registration Open
2:00 p.m. - 3:30 p.m.	Workshops
3:00 p.m. - 7:00 p.m.	Exhibitor Move-In
4:00 p.m. - 4:45 p.m.	Concurrent Career and Workforce Development Sessions
5:00 p.m. - 6:45 p.m.	Career Pathway Discussions
5:00 p.m. - 6:00 p.m.	Judges Orientation
7:00 p.m.	Dinner on Own
7:30 p.m. - 8:30 p.m.	ABRCMS Travel Awardee Networking Dinner

Thursday, November 20

Time	Activity
7:00 a.m. - 5:00 p.m.	Registration Open
7:15 a.m. - 8:15 a.m.	Limited Grab-and-Go Continental Breakfast*
7:30 a.m. - 8:15 a.m.	Make-Up Judges Orientation
8:00 a.m. - 12:00 p.m.	Exhibitor Move-In
8:30 a.m. - 9:45 a.m.	Welcome and Opening Keynote Address
10:00 a.m. - 10:30 a.m.	Concurrent Scientific Expert Lecture Sessions
10:45 a.m. - 11:00 a.m.	Concurrent Scientific Flash Talks
11:15 a.m. - 12:00 p.m.	Concurrent Career and Workforce Development Sessions
12:15 p.m. - 1:00 p.m.	Lunch
1:15 p.m. - 2:15 p.m.	Keynote Address
2:30 p.m. - 7:00 p.m.	Career & Recruitment Hall Open
2:45 p.m. - 7:00 p.m.	Poster Sessions Open
2:45 p.m. - 4:00 p.m.	Poster Session 1 (A)
3:00 p.m. - 6:00 p.m.	Career Coaching and Mentoring Tables
3:00 p.m. - 6:00 p.m.	Career and Workforce Development Sessions
4:15 p.m. - 5:30 p.m.	Poster Session 2 (B)
5:45 p.m. - 7:00 p.m.	Poster Session 3 (C)
7:00 p.m.	Dinner on Own
7:30 p.m. - 9:00 p.m.	Graduate Student Poster Presentations and Reception
8:00 p.m. - 9:00 p.m.	Graduate Admission Q&A
8:00 p.m. - 9:00 p.m.	Community Meet-Up

*Limited to attendees whose hotels do not provide complimentary breakfast.



DON'T MISS

ABRCMS Coaching and Mentoring Tables

3-6pm
Thursday, 11/20
Friday, 11/21

Location:
Hall 4AB - 500 Aisle

Drop in on our coaching and mentoring tables where mentors and coaches will be available to share their expertise and answer your questions on a variety of topics.



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Friday, November 21

Time	Activity
7:00 a.m. - 5:00 p.m.	Registration Open
7:15 a.m. - 8:15 a.m.	Limited Grab-and-Go Continental Breakfast*
7:15 a.m. - 8:15 a.m.	Breakfast for Microbiology Attendees (Hosted by the American Society for Microbiology)
8:30 a.m. - 9:15 a.m.	Keynote Address
9:30 a.m. - 10:15 a.m.	Concurrent Career and Workforce Development Sessions
10:30 a.m. - 11:00 a.m.	Concurrent Scientific Expert Lecture Sessions
11:15 a.m. - 12:00 p.m.	Student Oral Presentations (I)
12:15 p.m. - 1:00 p.m.	Lunch
1:15 p.m. - 2:15 p.m.	Keynote Address (ABRCMS and ASMCUE joint session)
2:30 p.m. - 6:00 p.m.	Career & Recruitment Hall Open
2:45 p.m. - 5:30 p.m.	Poster Sessions Open
2:45 p.m. - 4:00 p.m.	Poster Session 4 (D)
3:00 p.m. - 6:00 p.m.	Career and Workforce Development Sessions
3:00 p.m. - 6:00 p.m.	Career Coaching and Mentoring Tables
4:15 p.m. - 5:30 p.m.	Poster Session 5 (E)
6:15 p.m. - 7:00 p.m.	Student Oral Presentations (II)
7:00 p.m.	Dinner on Own
7:30 p.m. - 9:00 p.m.	Speakers, Exhibitors, Program Directors, and Judges Reception

Saturday, November 22

Time	Activity
8:00 a.m. - 12:00 p.m.	Registration Open
8:00 a.m. - 8:45 a.m.	Continental Breakfast with Exhibitors
9:00 a.m. - 12:00 p.m.	Career & Recruitment Hall Open
9:15 a.m. - 10:30 a.m.	Poster Session 6 (F)
10:45 a.m. - 12:00 p.m.	Graduate Oral Presentations
12:15 p.m. - 1:00 p.m.	Concurrent Career and Workforce Development Sessions
12:15 p.m. - 4:00 p.m.	Exhibitor Move-Out
1:00 p.m. - 7:00 p.m.	Lunch on Own and Free Time
2:00 p.m. - 3:30 p.m.	Workshops
7:00 p.m. - 10:00 p.m.	Closing Banquet, Keynote and Awards
10:30 p.m. - 1:00 a.m.	Game and Dance Social (all are invited)

*Limited to attendees whose hotels do not provide complimentary breakfast.



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2026 ASM Career and Professional Development Webinars

Explore Career Pathways in the Microbial Sciences

For ASM members, Career Pathways in Microbiology is a webinar series with scientists sharing the available roles, necessary experience and skills needed to enter the field and where to look for job openings. Learn about careers in industry/biotechnology, non-profits, foundations, academia and more!

Learn More



Your Remote Hub for Professional Development and Scientific Skills Building for Trainees

Whether you're just starting out or building on existing experience, the ASM Virtual Professional Development and Scientific Webinar Series offers tools and strategies to help community college students to postdoctoral scientists advance in the microbial sciences. Develop valuable, real-world skills in science communication, goal setting, time management, grant writing and more — all online, just a click away.

Learn More



Faculty Professional Development Learning Communities & Webinars

Advance your research and teaching skills with upcoming learning communities and webinars for current and future faculty. In 2026, we will offer online programs on course design to re-think microbiology courses, applying education research to improve teaching, and using KBase to identify, analyze and characterize microbial isolates and metagenomes.

Learn More



ABRCMS 2025 Keynote Speakers

Thursday, November 20



8:30 a.m.
The Rise of Antibiotics and Antibiotic Resistance
Squire Booker, PhD
Evan Pugh University Professor of Chemistry and of Biochemistry and Molecular Biology, Pennsylvania State University



1:15 p.m.
AI Empowerment: Overcoming Hesitation, Making Your Job Easier & Ushering Students Into the AI Age
Justin "Mr. Fascinate" Shaifer
LinkedIn Top Voice in Technology, Science TV Show Host & STEM Educator

Friday, November 21



8:30 a.m.
Cell-based toxicity models for research in RNA modifications-driven effects on lung health
Lydia Contreras, PhD
Paul D. and Betty Robertson Meek Centennial Professor in Chemical Engineering at UT Austin; Associate Dean of Postdoctoral Affairs



1:15 p.m.
A Scientific Journey: Serendipity, Success and Cell Signaling
JoAnn Trejo, PhD, MBA
Professor and Senior Assistant Vice Chancellor for Health Sciences Faculty Affairs, UC San Diego

Saturday, November 22

Closing Banquet, Keynote, and Awards



8:00 p.m.
Closing Remarks
Stefano Bertuzzi, PhD, MPH
Chief Executive Officer, American Society for Microbiology



8:30 p.m.
Futures ALCHEMY™: Transforming Disruption into a Portal of Possibility
Knatokie Ford, PhD
Founder and CEO of Fly Sci® Enterprise



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Help Power Tomorrow's Scientific Workforce. Give to ABRCMS Today.

Together, we can rise to today's challenges and keep the ABRCMS mission thriving — your bold support makes all the difference!

Why ABRCMS?

STEM careers are driving solutions to the world's most urgent challenges. To meet the growing demand for innovation and talent, we need programs and resources that foster academic excellence and expand students' exposure to diverse career pathways.

See the Impact of ABRCMS!

Download our report to see highlights of key data, alumni stories and more!



Why Your Gift Matters

Your contribution to ABRCMS directly supports the people, programs, and partnerships supporting the workforce development of the next generation of scientific leaders.

Help Us Reach Our Travel Award Fund Goal of \$25,000 by Dec. 31

Your gift helps fund student travel awards — opening doors to research, networking, and discovery. Every dollar counts: \$25,000 covers 12 full awards or 40+ partial awards. Donate today to help us reach our goal!

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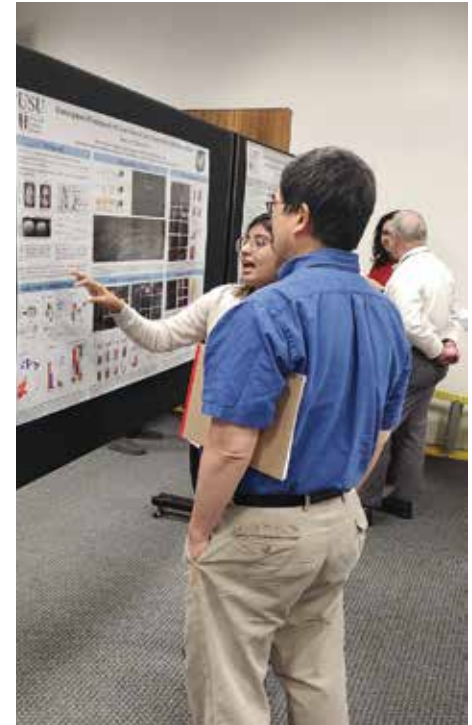


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Tech Support

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D.O./Ph.D. in Biomedical Engineering

The first of its kind in the country, this degree is also offered through SOM and TBES. This unique dual degree is a physician engineer training program that provides advanced education and training in engineering research and osteopathic medicine. Graduates of this program can utilize their engineering and research skills as independent investigators to develop innovative solutions to pressing medical problems.

D.O./MBA

The D.O./MBA dual degree prepares graduates for the increasing need of business acumen in the medical field, as well as emerging careers in medical administration. Program graduates learn critical skills to help them establish and manage medical practices, work effectively with insurance companies, laboratories and other business partners, and assume leadership positions within for-profit and non-profit organizations.

D.O./MPH

This five-year combined degree program is offered in collaboration with Rutgers School of Public Health, Piscataway. Graduates of this program will more effectively see health from a patient's point of view, as well as those of the community and general public. Possible career fields include biostatistics, public health agencies, research institutions and residency programs related to community health.

D.O./J.D.

If you are interested in a career that encompasses both the medical and legal fields, such as hospital administration or public policy, then this program, offered through SOM and Rutgers School of Law - Camden, is a great fit. This intense program can be completed in six years, and is a good fit for high-achieving, dedicated students.

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somadm@rowan.edu or
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Company Name	Booth Number
ADEA American Dental Education Association – GoDental	1500
AIM-AHEAD	1139
AL College of Osteopathic Medicine	904
Albert Einstein College of Medicine	1301
Alice L. Walton School of Medicine	1532
Allen Institute	1016
Amer. Soc. for Pharmacology and Exp. Therap.	1333
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American Association of Colleges of Osteopathic Medicine	900
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Baylor College of Medicine, Graduate School of Biomedical Sciences	821
Baylor University Graduate School	812
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Boston University College of Engineering	807
Boston University School of Public Health, Biostatistics	811
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- Comprehensive Mentorship Network
- Skill-Building Workshops and Training

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AMERICAN SOCIETY FOR MICROBIOLOGY

This ASM program is supported by the National Institute of Allergy and Infectious Diseases of the National Institutes of Health (NIH) Grant #UE5AI178763



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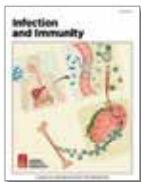
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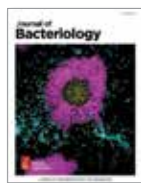
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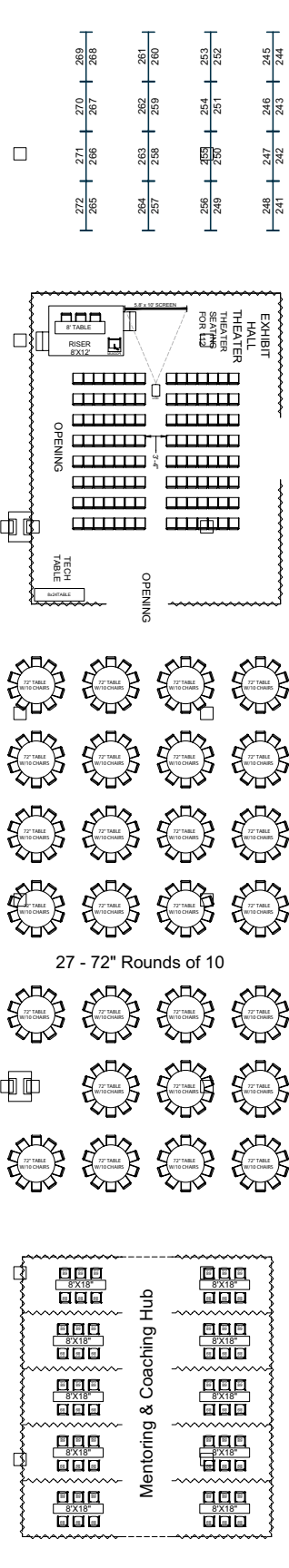
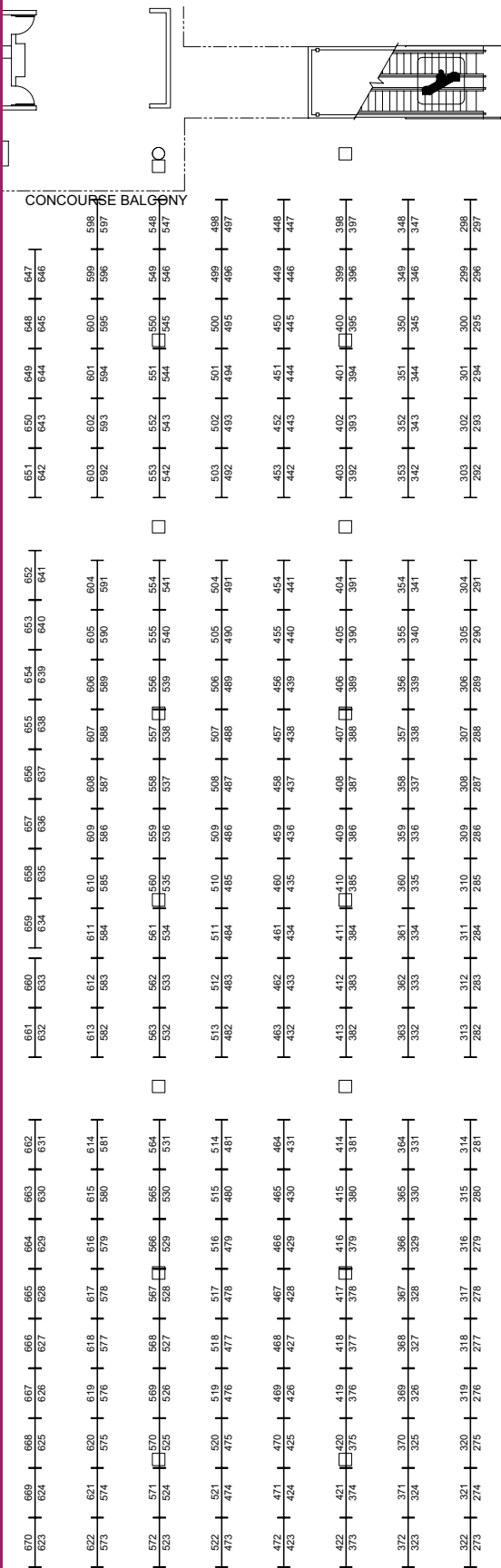
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