bioMérieux’s Total Microbiology Solution
Designed by Microbiologists for Microbiologists

Timely and accurate results from your microbiology laboratory are key to effective antimicrobial administration.

Deliver actionable results to clinicians to support informed treatment decisions.

 Visit us at ASM Booth #627

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ASM Corporate Council

ASM is pleased to partner with the members of the ASM Corporate Council. Their collaboration and commitment is essential to advancing and promoting the field of microbial sciences.

ASM Corporate Council Supporters

The American Society for Microbiology would like to recognize the following companies for their support of ASM Microbe 2022. On behalf of our leadership and our members, we thank them for their continued support and generous contributions.

GOLD SUPPORTER

Booth 627

Silver Supporter

Booth 513
ASM Microbe 2022 Program Committee

Steering Committee

Victor DiRita, Ph.D.
Interim Meetings Chair

Kumaran Ramamurthi, Ph.D.
Co-Chair

Yvette S. McCarver, Ph.D., D(ABMM)
Co-Chair

Mariana Castanheira, Ph.D.,
AAR Track Leader

Kathryn Elliott, Ph.D.
MBP Track Leader

Erica Majumder, Ph.D.
AES Track Leader

Luis Martinez, Ph.D.
POM Track Leader

Ariane L. Peralta, Ph.D.
EEB Track Leader

A. Krishna Rao, M.D., M.S.
CIV Track Leader

Kara J.F. Satchell, Ph.D.
HMB Track Leader

Robert Tibbetts, Ph.D.
CPHM Track Leader

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Steve Finkel, Ph.D.
ASM President

Colleen Krafl, M.D., M.Sc.
ASM President-Elect

Luis Martinez, Ph.D.
POM Track Leader

Ariane L. Peralta, Ph.D.
EEB Track Leader

A. Krishna Rao, M.D., M.S.
CIV Track Leader

Kara J.F. Satchell, Ph.D.
HMB Track Leader

Robert Tibbetts, Ph.D.
CPHM Track Leader

ASM Microbe 2022 Program Committee

Program Committee

David Baltrus, Ph.D.
Pamela Brown, Ph.D.
Cornelius Neil Joseph Clancy, M.D.
Marc Roger Couturier, Ph.D., D(ABMM)
Catalina Cuellar-Gempeler, Ph.D.
Sanchita Das, M.D.
Jennifer Den Bard, Ph.D.
Yohe Doi, M.D., Ph.D.
Erka Espinosa-Ortiz, Ph.D.
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Nkrumah Grant, Ph.D.*
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Melissa Kendall, Ph.D.

Britt L. Koskiela, Ph.D.
Vincent Lee, Ph.D.
Scott Wesley Long, M.D., Ph.D.
Seema Mattoo, Ph.D.*
Erin McCreary, Ph.D., M.B.C.P.S.*
William Navare, Ph.D.
Kristina Papp-Wallace, Ph.D.
Tatiana Pinto, Ph.D.

Boghuma Kabisen Titanj, M.D., M.Sc.,
DTM&H, Ph.D.*
Blake Ushijima, Ph.D.*
Patrick Viedoe, Ph.D.
Aaron Whiteley, Ph.D.*
Christina M. Wojewoda, M.D.
Ben Wolfe, Ph.D.
Rebecca Yee, Ph.D.*

Travel Awards

ASM offers various travel awards and fellowships to support attendees who travel to ASM Microbe 2022. For the full list of travel awards recipients, visit www.asm.org/microbe.

- ASM-FEMS Mäkelä-Cassell Travel Award for Early-Career Scientists
- ASM Infectious Disease (ID) Travel Award
- ASM Microbe Minority Travel Award
- ASM Student and Postdoctoral Travel Award
- Bill and Melinda Gates Foundation Travel Award for Scientists from Low- and Low-Middle-Income Countries
- Peggy Cotter Travel Awards for Early Career Branch Members
- The Richard and Mary Finkelstein Student Travel Award

ASM would like to thank the following organization for its contribution to the ASM Microbe 2022 Travel Awards.

*Member of the ASM Microbe Junior Advisory Group (JAG) – the Junior Advisory Group’s role is to support and encourage the meeting participation of early career investigators (those about to complete, or within 3 years of completing their training), as well as the formation of early career-related sessions at the meeting.
JOIN A GLOBAL COMMUNITY OF PEERS

Network with your colleagues in ASM Connect, our online member community.

Benchmark your compensation with ASM’s Microbiology Careers Salary Survey.

Access the latest science through virtual journals clubs, covering content ranging from COVID-19 to clinical and public health.

Get your research noticed by publishing with ASM.

asm.org/membership

General Information

Health & Safety
At ASM Microbe 2022, your safety is our top priority. That’s why we’ve implemented meeting guidelines to ensure a safe environment for all participants.

Participants must submit proof of full COVID-19 vaccination to receive an ASM Microbe 2022 badge and access to the meeting venue. If you have not submitted proof of COVID-19 vaccination to ASM’s third-party collection site, SafeAccess, prior to arriving onsite, you will need to visit the Health & Verification Center located at the Marriott Marquis — Capitol Hill room and have your documentation approved. Participants will be required to present a SafeAccess pass to access to the Walter E. Washington Convention Center.

HEALTH AND SAFETY VERIFICATION CENTER HOURS
Wednesday, June 8 .................................. 8:00 a.m. – 5:00 p.m.
Thursday, June 9 .................................. 6:30 a.m. – 6:00 p.m.
Friday, June 10 .................................. 6:30 a.m. – 6:00 p.m.
Saturday, June 11 .................................. 6:30 a.m. – 6:00 p.m.
Sunday, June 12 ................................ 6:30 a.m. – 6:00 p.m.
Monday, June 13 .................................. 6:30 a.m. – 10:00 a.m.

Meeting Venues
ASM Microbe 2022 will take place in the Walter E. Washington Convention Center. Additional activities may also occur at the Marriott Marquis, the ASM Microbe 2022 Headquarters Hotel.

Registration
ASM Microbe 2022 registration is located at the Walter E. Washington Convention Center. Full-service registration for onsite attendees, speakers, and VIPs is in Hall D located on level 2. Express registration is available for pre-registered attendees only in Hall D.

EXPRESS REGISTRATION | HALL D
Thursday, June 9 .................................. 6:30 a.m. – 6:00 p.m.
Friday, June 10 .................................. 6:30 a.m. – 5:00 p.m.

FULL SERVICE REGISTRATION | HALL D
Thursday, June 9 .................................. 6:30 a.m. – 6:00 p.m.
Friday, June 10 .................................. 6:30 a.m. – 5:00 p.m.
Saturday, June 11 .................................. 6:30 a.m. – 6:00 p.m.
Sunday, June 12 .................................. 6:30 a.m. – 5:00 p.m.
Monday, June 13 .................................. 6:30 a.m. – 10:00 a.m.

EXHIBITOR REGISTRATION | HALL D
Wednesday, June 8 .................................. 12:00 p.m. – 5:00 p.m.
Thursday, June 9 .................................. 7:30 a.m. – 5:00 p.m.
Friday, June 10 .................................. 9:00 a.m. – 5:00 p.m.
Saturday, June 11 .................................. 9:00 a.m. – 5:00 p.m.
Sunday, June 12 .................................. 9:00 a.m. – 4:00 p.m.

Health and Safety

Badges and Allocations
All badges must be picked up at Registration. Photo ID is required. For security reasons, all attendees are required to wear their badge for entry into session rooms. It is your responsibility to ensure you always have your badge. There is a charge of $100.00 for badge replacement. No exceptions will be made. Please note that badges are the property of ASM and may be relinquished at any time at the request of ASM staff.

ATTENDEE BADGES
• Access to all scientific sessions
• Access to the Exhibit and Poster Hall Sessions
• Continuing education credit

GUEST BADGES
A guest is a spouse, friend, or adult child (18 years and older), who is not working in a microbiology-related occupation or field.

A colleague or associate working in a related scientific field or studying microbiology in school may not be registered or attend as a guest.

• Access to the Exhibit and Poster Hall Sessions
• Access to the Opening Session and Opening Reception
• No access to scientific sessions

EXHIBITOR PERSONNEL BADGES
• Entry to the Exhibit and Poster Hall during installation and dismantling hours
• Access to the Exhibit and Poster Hall one-hour before opening and one-hour after closing
• No access to scientific sessions

EXHIBITOR FULL CONFERENCE BADGES
• Access to all scientific sessions
• Full access to the event app
• Access to the Exhibit and Poster Hall one-hour before opening and one-hour after closing

PRESS BADGES
• Access to all scientific sessions
• Access to the Exhibit and Poster Hall sessions

Please note that members of the press must register for the meeting and pay the appropriate registration fee to receive continuing education credit.
Abstract Access
Poster abstracts are available in the ASM Events mobile app. To download the app, search ‘ASM Events’ in the Apple App Store or Google Play store. Abstracts can also be found on the ASM Microbe website at www.asm.org/microbe.

Continuing Education (CE) Credit
If you are claiming Continuing Medical Education (AMA PRA Category 1 Credits(TM)) for ASM Microbe, an administrative fee of $50 is required. This fee is only applicable to CME credits and no other forms of continuing education credits offered by ASM (e.g., P.A.C.E.®). If you have not paid this fee, please visit Registration to make the necessary payment. This fee must be paid prior to the end of the meeting on June 13, 2022.

Speaker Ready Rooms
Speakers may preview and upload their presentation(s) in the Speaker Ready Rooms. Speaker Ready Room 1 is in room 140AB. Speaker Ready Room 2 is in room 203 AB. ASM requests that speakers submit their electronic presentation files and check with the AV operator in the Speaker Ready Room at least four hours prior to their presentation time.

HOURS
Thursday, June 9 .......................... 6:00 a.m. - 9:00 p.m.
Friday, June 10 .......................... 6:00 a.m. - 5:00 p.m.
Saturday, June 11 .......................... 10:00 a.m. - 5:00 p.m.
Sunday, June 12 .......................... 10:00 a.m. - 4:00 p.m.

Poster Presentation Hours
Friday, June 10 .......................... 10:30 a.m. - 11:30 a.m.
Saturday, June 11 .......................... 10:30 a.m. - 11:30 a.m.
Sunday, June 12 .......................... 10:30 a.m. - 12:30 p.m.

Poster Presenter Access
Poster presenters must have their letter and meeting badge to enter the Exhibit and Poster Hall during the designated poster set up and dismantle times. Only the poster presenter will be permitted to enter the hall to set up his or her poster. Poster Presenters need to either have their acceptance letter with them or check in at Poster Services to obtain a copy of their letter. After set-up and removal of posters, presenters may not remain in the Hall during closed hours.
Please note these policies are in effect as of May 15, 2022. Visit the ASM Microbe website for current guidelines: asm.org/microbe.

At ASM Microbe 2022, your health and safety are ASM’s utmost priority. As we return to an in-person meeting, we are actively monitoring conditions and developing meeting guidelines to ensure a safe environment for all participants traveling to Washington, D.C.

ASM Microbe Entry Requirements

Proof of COVID-19 Vaccination
- Participants must submit proof of full COVID-19 vaccination to receive an ASM Microbe 2022 badge and access to meeting venues.
- Attendees are required to show verification documentation from the third-party collection site, SafeAccess, to gain entry to the Walter E. Washington Convention Center and proceed to ASM Microbe 2022 registration.
- Individuals must pick up their own badge at ASM Microbe 2022 registration. Participants will be required to present a SafeAccess pass to access to the Walter E. Washington Convention Center. A valid government issued ID, passport or driver’s license, with a photo, is required to receive a badge. Group badge pick up will not be available.

IMPORTANT NOTE: If you have not submitted your proof of COVID-19 vaccination to SafeAccess prior to arriving onsite, you will need to visit the Health & Verification Center, located at the Marriott Marquis – Capitol Hill room and have your documentation approved. Refer to page 7 for hours of service.

Health Attestation
Prior to entering ASM Microbe meeting venues, participants must attest they have not:
- been diagnosed with or tested positive for COVID-19 within the past 14 days
- been directed to self-isolate by a public health authority or healthcare provider due to potential exposure to COVID-19 within the past 14 days.
- had any symptoms associated with COVID-19 infection, nor had any symptoms in the past 14 days, including:
  - fever of over 100.0; cough (not attributed to a pre-existing condition); shortness of breath or difficulty breathing; fatigue; muscle or body aches; loss of taste or smell; sore throat; congestion or runny nose; nausea or vomiting; and/or diarrhea.
- had close contact (within six feet) with anyone under known quarantine or diagnosed with COVID-19 or showing systems of COVID-19 in the past 14 days.

Mask Requirement
ASM will require masks at ASM Microbe 2022 regardless of local ordinances. All attendees, exhibitors, guests, staff and service partners will be required to wear masks in the convention center and at all ASM Microbe affiliated events held at local hotels or other off-site locations. Masks must completely cover your mouth and nose and fit snugly without gaps. Disposable masks will be available onsite.

Access into the Walter E. Washington Convention Center
There will be 5 entry points into the convention center. Please view the map below for locations.
- Entrance 1: Mt. Vernon Street Entrance
- Entrance 2: L Street South Lobby Entrance
- Entrance 3: L Street North Lobby Entrance
- Entrance 4: Metro Entrance (Corner of 7th & M Streets)
- Entrance 5: Marriott Connector (Concourse A)

Registrants will be required to present proof of vaccination with the SafeAccess pass for initial entry. After registrants receive badge credentials, no additional check-in is required.

At each entrance, all attendees will pass through temperature scanners. Anyone who scans above a temperature of 100.4 degrees Fahrenheit will be rescanned. If the temperature once again reads above the threshold, security will request that the attendee wait in a holding area to cool off. If after the waiting period, the attendee’s temperature has not reduced, their badge is subject to confiscation, and a negative COVID-19 test result will be required for re-entry.

Learn about ASM Journals! Pick up your fact sheets and giveaways at the ASM Booth.
OVERCOMING GRAM-NEGATIVE BACTERIAL RESISTANCE
Maximizing the Microbiologist Role

Marriott Marquis Washington, DC
Meeting Room: Salon 6 (Meeting Level 2)
Friday, June 10, 2022
6:30 – 7:00 AM ET   Registration and Breakfast
7:00 – 8:00 AM ET   Educational Program

Symposium Overview
The field of clinical microbiology and diagnostics is rapidly evolving. More and more important discoveries are occurring due to the interactions of trans-disciplinary collaboration have been more new than never been more important. Today, recognizing various resistance mechanisms utilized by Gram-negative bacteria is essential in guiding treatment decisions. Information from the clinical microbiology laboratory regarding resistance phenotype/pattern and its impact on antimicrobial selection will be essential with the growing complexity of Gram-negative pathogens. Ensuring optimal decisions are made in the management of MDRI Gram-negative infections will require close collaboration and dialogue among the key antimicrobial stewardship team members, including the ID physician, pharmacist, and clinical microbiologist.

This symposium will review the latest diagnostic techniques available for rapid identification of bacterial species and resistance phenotypes/patterns. The faculty will demonstrate the importance of identifying the true causative pathogen to guide appropriate treatment selection. The interdisciplinary faculty will discuss the microbiologist’s role within the antimicrobial stewardship team.

Target Audience
This activity is planned to meet the needs of clinical microbiologists and other healthcare professionals in a variety of practice settings, including large and small healthcare systems, outpatient clinics, managed care organizations, long-term care facilities, and academia who are involved in the management of patients with various bacterial infections.

Learning Objectives
At the conclusion of the educational activity, the learner should be able to:
- Evaluate current microbiological diagnostic assays for the timely and accurate detection of Gram-negative pathogens and resistance mechanisms
- Determine the impact of resistance mechanisms on antimicrobial selection to advance a pathogen-specific approach to management
- Utilize strategies that encourage team-based care and antimicrobial stewardship when managing serious bacterial infections within acute care settings

Faculty
Patricia (Trish) Simner, PhD, D(ABMM)
Associate Professor of Pathology
Johns Hopkins University School of Medicine
Director of the Medical Bacteriology and Infectious Disease Sequencing Laboratories
Johns Hopkins Hospital
Baltimore, MD

Kate Dzintars, PharmD, BCP-S-AQ ID
Clinical Pharmacy Specialist, Infectious Diseases
Associate Pharmacy Director, Antimicrobial Stewardship Program
The Johns Hopkins Hospital
Baltimore, MD

Registration
Please register at www.vemcomeded.com/vemmeetings.asp

Accreditation
Physicians
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME). Physicians who attend this activity may claim credit for completing it. This activity is approved for Category 1 Credit. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

For questions regarding accreditation, please contact info@jointsponsor.com

Pharmacists
Center for Independent Healthcare Education and Vemco MedEd
Supported by an educational grant from Merck & Co., Inc.

Disclosure of Financial Relationships with Ineligible Companies
Center for Independent Healthcare Education and Vemco MedEd fully comply with the standards for Integrity and Independence in Continuing Medical Education (ICMJE) and the ACCME’s Standards for Commercial Support. Center for Independent Healthcare Education and Vemco MedEd require all individuals in a position to control the content of CME/CPE activities to disclose all financial relationships with ineligible companies within the preceding 24 months. Disclosure is required regardless of whether a relationship benefits the individual, the activity or the audience. When there is a conflict of interest, the activity is still considered educational. The activity is further required to disclose discussion of off-label uses in their presentations.

PharmD
Center for Independent Healthcare Education is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Center has sought 1.0 contact hour (0.10 CEU) of continuing pharmacy education credit for participating in this activity.

For questions regarding accreditation, please contact info@jointsponsor.com

Schedule-at-a-Glance

THURSDAY
JUNE 9
6:30 a.m. – 6:00 p.m.   Registration Open
8:00 a.m. – 4:00 p.m.   Workshops and Mini-Conferences
4:30 p.m. – 6:15 p.m.   Opening Session and the Future of ASM

FRIDAY
JUNE 10
6:30 a.m. – 5:00 p.m.   Registration Open
7:00 a.m. – 8:00 a.m.   Meet the Experts
8:15 a.m. – 10:15 a.m.   Cross-Track and In-Depth Symposia
8:15 a.m. – 10:15 a.m.   Lounge and Learn: Rapid Fire and Emerging Science
10:00 a.m. – 5:00 p.m.   Exhibit & Poster Hall Hours
10:15 a.m. – 1:45 p.m.   Dedicated Exhibit & Poster Hall Hours
10:30 a.m. – 11:30 a.m.   Poster Presentations
10:45 a.m. – 11:30 a.m.   Poster & Career Talks
11:45 a.m. – 12:30 p.m.   Track Hubs
12:45 p.m. – 1:30 p.m.   Track Hubs
1:45 p.m. – 3:45 p.m.   In-Depth Symposia
3:00 p.m. – 3:45 p.m.   Career Talk
4:00 p.m. – 4:45 p.m.   Track Hubs
4:00 p.m. – 5:00 p.m.   Poster Presentations
6:30 p.m. – 6:00 p.m.   Registration Open
7:00 a.m. – 8:00 a.m.   Meet the Experts
8:15 a.m. – 10:15 a.m.   Cross-Track and In-Depth Symposia
8:15 a.m. – 10:15 a.m.   Lounge and Learn: Rapid Fire and Emerging Science
10:00 a.m. – 5:00 p.m.   Exhibit & Poster Hall Hours
10:15 a.m. – 1:45 p.m.   Dedicated Exhibit & Poster Hall Hours
10:30 a.m. – 11:30 a.m.   Poster Presentations
10:45 a.m. – 11:30 a.m.   Poster & Career Talks
11:45 a.m. – 12:30 p.m.   Track Hubs
12:45 p.m. – 1:30 p.m.   Track Hubs
1:45 p.m. – 3:45 p.m.   In-Depth Symposia
3:00 p.m. – 3:45 p.m.   Career Talk
4:00 p.m. – 4:45 p.m.   Track Hubs
4:00 p.m. – 5:00 p.m.   Poster Presentations
5:15 p.m. – 6:30 p.m.   President’s Forum

SATURDAY
JUNE 11
6:30 a.m. – 5:00 p.m.   Registration Open
7:00 a.m. – 8:00 a.m.   Meet the Experts
8:15 a.m. – 10:15 a.m.   Cross-Track and In-Depth Symposia
8:15 a.m. – 10:15 a.m.   Lounge and Learn: Rapid Fire and Emerging Science
10:00 a.m. – 5:00 p.m.   Exhibit & Poster Hall Hours
10:15 a.m. – 1:45 p.m.   Dedicated Exhibit & Poster Hall Hours
10:30 a.m. – 11:30 a.m.   Poster Presentations
10:45 a.m. – 11:30 a.m.   Poster & Career Talks
11:45 a.m. – 12:30 p.m.   Track Hubs
12:45 p.m. – 1:30 p.m.   Track Hubs
1:45 p.m. – 3:45 p.m.   In-Depth Symposia
3:00 p.m. – 3:45 p.m.   Career Talk
4:00 p.m. – 4:45 p.m.   Track Hubs
4:00 p.m. – 5:00 p.m.   Poster Presentations
5:15 p.m. – 6:30 p.m.   President’s Forum

SUNDAY
JUNE 12
6:30 a.m. – 5:00 p.m.   Registration Open
7:00 a.m. – 8:00 a.m.   Meet the Experts
8:15 a.m. – 10:15 a.m.   Cross-Track and In-Depth Symposia
8:15 a.m. – 10:15 a.m.   Lounge and Learn: Rapid Fire and Emerging Science
10:00 a.m. – 4:00 p.m.   Exhibit & Poster Hall Hours
10:15 a.m. – 1:45 p.m.   Dedicated Exhibit & Poster Hall Hours
10:30 a.m. – 12:30 p.m.   Poster Presentations
10:45 a.m. – 11:30 a.m.   Poster & Career Talks
11:45 a.m. – 12:30 p.m.   Track Hubs
12:45 p.m. – 1:30 p.m.   Track Hubs
1:45 p.m. – 3:45 p.m.   In-Depth Symposia
3:00 p.m. – 3:45 p.m.   Career Talk
6:30 a.m. – 10:00 a.m.   Registration Open
7:00 a.m. – 8:00 a.m.   Meet the Experts
8:15 a.m. – 10:15 a.m.   Cross-Track and In-Depth Symposia
Program Highlights

Opening Session

JUNE 9, 2022

Walter E. Washington Convention Center, Ballroom ABC

SPEAKERS

4:30 P.M. – 4:50 P.M.

Future of ASM
Stefano Bertuzzi, Ph.D., MPH, American Society for Microbiology

4:50 P.M. - 5:20 P.M.

ASM 2022 Lifetime Achievement Award Recognition
Awardee: John Mekalanos, Ph.D., Harvard Medical School

5:20 P.M. – 6:15 P.M.

Microbiome Control of Host Immunity
Yasmine Belkaid, Ph.D., National Institute of Allergy and Infectious Diseases (NIAID)

President’s Forum: The Changing Human Microbiome

JUNE 11, 2022

Walter E. Washington Convention Center, Ballroom ABC

SPEAKERS

5:15 P.M. - 5:25 P.M.

ASM President’s Remarks
Steven Finkel, Ph.D., President, American Society for Microbiology

5:25 P.M. - 5:45 P.M

Microbiomes and Health in the Anthropocene
Maria Gloria Dominguez-Bello, Ph.D., Director, New Jersey Institute for Food, Nutrition and Health (IFNH), Henry Rutgers Professor of Microbiome and Health, Department of Biochemistry and Microbiology and Anthropology, Rutgers University

We have succeeded controlling bacterial infections, but antimicrobials are perturbing the microbiome and increasing disease risks in unprecedented ways. The challenge demands a deep understanding of microbial biology and restoration.

5:45 P.M. - 6:05 P.M

Lifestyle Change and Microbiome Plasticity: What Are the Limits for Health?
Justin Sonnenburg, Ph.D., Associate Professor, Department of Microbiology and Immunology, Stanford University School of Medicine

The human gut microbiome is undergoing massive change in industrialized populations including extinctions of species that humans harbored for much of our evolutionary history. Data illustrating these changes around the planet, across lifestyles in infants and adults will be presented. Gut microbes influence processes as diverse and fundamental as metabolism and immune status; the important question of how lifestyle-induced changes in the gut microbiome are impacting health and disease will be discussed.

5:20 P.M. – 5:45 P.M

Panel Discussion with Q&A
ASM Supports Global Access to Science

Nearly 2 million visits

7,000+ microbiologists

11,500 laboratorians

Donate to ASM and help us break barriers.

ASM Supports Global Access to Science

Join us for the IDEAA Townhall
Thursday, June 9
6:30-7:30 p.m.
Room 146BC
Washington Convention Center

Review the 2022 IDEAA Strategy Roadmap at asm.org/Diversity,-Equity-and-Inclusion

Learn more about ASM’s commitment to exemplifying inclusive diversity with equity, access and accountability (IDEAA) in the microbial sciences.

Got an IDEAA to share with us?

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ASM Supports Global Access to Science

Join us for the IDEAA Townhall
Thursday, June 9
6:30-7:30 p.m.
Room 146BC
Washington Convention Center

Review the 2022 IDEAA Strategy Roadmap at asm.org/Diversity,-Equity-and-Inclusion

Learn more about ASM’s commitment to exemplifying inclusive diversity with equity, access and accountability (IDEAA) in the microbial sciences.

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Got an IDEAA to share with us?
Session Types & Descriptions

**CAREER TALKS**
Informal, interactive talks that feature microbiologists from a wide variety of careers, sharing information on what they do and how to join their field.

**CROSS-TRACK SYMPOSIA**
Cross-Track Symposia focus on interdisciplinary topics of broad interest and showcase transcendent science with 1 convener and 3 speakers presenting. The session concludes with a 30-minute panel discussion with the convener leading the speaker/attendee QA. These sessions provide an opportunity to expand scientific knowledge and better understand new trends in the field of microbiology.

**EMERGING SCIENCE PRESENTATIONS**
Emerging Science presentations highlight novel, unanticipated, high impact or disruptive studies with a time-sensitive urgency to present at ASM Microbe. Accepted abstracts offer an oral presentation in a Lounge and Learn area located in the convention center but will not present a poster in the Exhibit and Poster Hall. Instead, each presenter will have up to 5 minutes to share a three-slide presentation on his or her late breaking research and take questions from the audience.

**IN-DEPTH SYMPOSIAS**
In-depth Symposia address an important problem and/or gap in knowledge on a particular subject, with a diversity of knowledge and/or points of view presented by 1 convener and 2 speakers. For most but not all sessions, appropriate oral abstract presentations (selected from accepted abstracts) are included in the session.

**MEET-THE-EXPERTS**
One expert addresses an important problem and/or gap in knowledge on a particular subject in short, 30-minute presentations, allowing 30 minutes for audience interaction with the expert following the talk.

**MINI CONFERENCE**
An extended session or series of sessions focused on a specific subject area in the microbial sciences.

**POSTER SESSIONS**
Accepted abstracts are placed into poster sessions and displayed in the Exhibit and Poster Hall. Each poster stays on display for an entire day, and each presenter is available at his or her poster for an assigned two-hour period.

**POSTER TALK PRESENTATION**
Ten-minute oral presentations of select accepted electronic PDF posters that occur in the applicable Track Hub in the Exhibit and Poster Hall.

**RAPID FIRE**
Five-minute, three-slide rapid-fire oral presentations of select accepted abstracts from early and regular abstract submission. Presentations occur in the Lounge and Learn areas located throughout the convention center.

**TRACK HUBS**
Short, highly interactive session on a track-specific topic held in informal, open space hubs on the Exhibit and Poster Hall, with 1 speaker.

**COURSES/WORKSHOPS**
Separate from the core meeting and have a separate registration fee. Courses feature a series of instructors that cover a selection of related subjects typically presented in a lecture format. Interactions center on small group discussions and question/answer periods. Workshops are interactive and the attendees participate with instructional training that takes a deeper dive on a particular subject, software or specialized equipment.
The following individuals are recognized for assisting with abstract and travel award reviews for ASM Microbe 2022. We value your contributions and appreciate your continued support.

Edward Ager
Jonathan Allen
Vanessa Allen
Ron Ar
Ahmed Babiker
David Baltrus
Anna Luiza Bauer Canellas
Wendy Bedale
Ushijima Blake
Robert A. Bonomo
Adam Borger
Travis Bourret
Benjamin Bradley
Thea Brennan-Krohn
Pamela Brown
Paul Brown
Allan Bryan
John Buchner
Carey-Ann Burnham
Jean-François Carod
Cecilia Carvalhaes
Stephen Cavaleri
Thiago Chagas
Cornelius (Neil) Joseph Clancy
Andrew Clark
Kerri Coon
Lauren Cooper
Jessica Crothers
Nicole Cruz
Lisa Cuchara
Catalina Cuelar-Gempeter
Kara De Leon
Bruno de Oliveira
Subhabrata Dev
Jennifer Dien Bard
Yohel Dii
Nir Drayman
Leonard Duncan
Allison Eberly
Kathryn Elliott
Courtney Ellison
Erika Espinosa-Ortiz
Prathapees Eswara
Thaddeus Ezej
Nathan Fisher
Josef Flores Kim
Randal Fowler
Eliot Friedman
Monica Gestal
Karine Gibbs
Lashanda Glenn
Shishir Gokhale
Nikhurah Grant
Wenyu Gu
Jennifer Guthrie
Shazia Hakim
Laura Harris
Jason Heindl
Richard Hodinka
Erika Holdridge
Liyanou Hou
Mary Hourihan
Noah Hull
Peter Jorth
Sarah Jung
Vikram Kapoor
Kazuyuki Kashihara
Melissa Kendall
Rachel Kenney
Karl Kise
Christoph Konradt
Britt Koskella
Wenyi Camilla Kuo-Dahab
Jean-Baptiste Ledoucq
Vincent Lee
Guanglin Li
Simeng Li
Kaisen Lin
Catherine Lague
Scott Wesley Long
Angela Ma
Erica Majumder
Shruti Malik
Cresten Mansfieldt
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Amy Mathers
Seema Matta
Erin McCreary
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Brittany Miller
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Nicholas Moore
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Ping Ren
Rachel Ribeiro
Nathan Rigol
Jennifer Rocca
Natividad Ruiz
Victoria Ruiz
Zaara Sarwar
Kara Satchell
Michael Satlin
Alexei Savchenko
Stacey Schultz-Cherry
Danila Seidel
Hank Seifert
Inna Sekirov
Thinesh Selvaratnam
Amir Seyedmousavi
Seyedmousavi
Nadz Shafagati
Susan Sharp
Dandan Shen
Kristen Smith
Emily Snavely
Lisa Stempak
Lindsey Stevenson
Vincent Streva
Joy Sturtivant
W. Edward Swords
Vera Tesc
Nikhil Thomas
Phyu Thwe
Baghuma Kabisen Titanji
Blake Ushijima
Chandra Vareechon
Patrick Varte
Federica Vilas
Diana Vuto
Paula Watnick
Diana Waturangi
Aaron Whiteley
Susan Whittier
Doni Wijetunge
Christina Wijaywarden
Ben Wolfe
Rebecca Yee

ASM Microbe 2022 Contributors

More than 2,000 posters are featured in this year’s Exhibit and Poster Hall. Meet poster presenters during dedicated Poster Presentation times, and view posters during Exhibit and Poster Hall hours. Plus, posters are organized by track, making it easy for you to navigate through all the science in your field and related fields.

Poster Services Hours
Friday, June 10: 8:00 a.m. – 5:30 p.m.
Saturday, June 11: 8:00 a.m. – 5:30 p.m.
Sunday, June 12: 8:00 a.m. – 4:30 p.m.

Poster Set-Up
Friday, June 10: 9:00 a.m. – 10:00 a.m.
Saturday, June 11: 9:00 a.m. – 10:00 a.m.
Sunday, June 12: 9:00 a.m. – 10:00 a.m.

Exhibit and Poster Hall Hours
Friday, June 10: 10:00 a.m. – 5:00 p.m.
Saturday, June 11: 10:00 a.m. – 5:00 p.m.
Sunday, June 12: 10:00 a.m. – 4:00 p.m.

Poster Session 1
Friday, June 10: 10:30 a.m. – 11:30 a.m.
Saturday, June 11: 10:30 a.m. – 11:30 a.m.
Sunday, June 12: 10:30 a.m. – 12:30 p.m.

Poster Session 2
Friday, June 10: 4:00 p.m. – 5:00 p.m.
Saturday, June 11: 4:00 p.m. – 5:00 p.m.
Sunday, June 12: N/A

Poster Removal
Friday, June 10: 5:00 p.m. – 5:30 p.m.
Saturday, June 11: 5:00 p.m. – 5:30 p.m.
Sunday, June 12: 4:00 p.m. – 4:30 p.m.
The Exhibit and Poster Hall Passport offers you the opportunity to win prizes while exploring the latest products and services presented by ASM Microbe 2022 exhibitors.

Visit the Passport icon in the Mobile App for details. Winners will be announced in the Exhibit and Poster Hall on Sunday, June 12 at 3:00 p.m. You do not need to be present to win.

Don't miss the opportunity to win one of the following prizes:

- $300 VISA Gift Card
- $200 Apple Gift Card
- $200 Amazon Gift Card
- $100 VISA Gift Card
- $50 VISA Gift Card

WIN PRIZES!
Navigating the ASM Microbe 2022 Final Program

We hope you’ll enjoy the innovative programming we’ve put together for you at ASM Microbe 2022. As you make your way through this program, we thought it might be helpful to let you know exactly what you’re reading. A quick guide below will help you understand “how to use this program.”

These sessions include a speaker who is presenting their talk virtually.

Select sessions are being offered in a meeting room and also being broadcast in less traditional spaces, such as Lounge and Learn Spaces.

MEET-THE-EXPERTS
7:30 a.m. – 8:30 a.m.
Improving the Quality of Antibiotic Prescribing in Neonates and Children
Room 350

SESSION LOCATION

SESSION TITLE

VIRTUAL SPEAKER PRESENTATION

TRACK(S)

SESSION TYPE

These sessions include a speaker who is presenting their talk virtually.

Select sessions are being offered in a meeting room and also being broadcast in less traditional spaces, such as Lounge and Learn Spaces.
Daily Schedule

Wednesday Overview

WEDNESDAY, JUNE 8

MEETING SERVICES
7:30 a.m. – 3:00 p.m.
Marriott Marquis, Catholic/UDC
Hall D

REGISTRATION
EXHIBITOR REGISTRATION
12:00 p.m. – 5:00 p.m.
Hall D

HEALTH & SAFETY VERIFICATION CENTER
8:00 a.m. – 5:00 p.m.
Marriott Marquis, Capitol Hill

Wednesday Schedule

WEDNESDAY, JUNE 8

MEETING
7:30 a.m. – 3:00 p.m.
AEM Editor’s Meeting (Invitation Only)
Marriott Marquis, Catholic/UDC
Hall D

MEETING
7:30 a.m. – 3:00 p.m.
ESP Editors Meeting (Invitation Only)
Marriott Marquis, Georgetown University
Hall D

ASM PROGRAMMING
9:30 a.m. – 6:30 p.m.
ASM Future Leaders Mentoring Fellowship Symposium: Day 1 (Invitation Only)
Salon G

MEETING
10:00 a.m. – 12:00 p.m.
Council on Microbial Sciences Meeting (COMS) (Invitation Only)
Marriott Marquis, LoDriest Park/Share
Hall D

EVENT
4:00 p.m. – 7:00 p.m.
Meet the Microbes!
Petworth DC Library

MEETING
6:30 p.m. – 9:30 p.m.
Journals Committee Dinner (Invitation Only)
OFFSITE

Thursday Overview

THURSDAY, JUNE 9

MEETING SERVICES
6:30 a.m. – 6:30 p.m.
Hall D

REGISTRATION
EXPRESS REGISTRATION
6:30 a.m. – 12:00 p.m.
Hall D

FULL ATTENDEE REGISTRATION
6:30 a.m. – 6:00 p.m.
Hall D

EXHIBITOR REGISTRATION
7:30 a.m. – 5:00 p.m.
Hall D

MEETING
10:00 a.m. – 5:00 p.m.
Council on Microbial Sciences Meeting (COMS) (Invitation Only)
Marriott Marquis, Georgetown University
Hall D

SPEAKER READY ROOMS
3:00 p.m. – 5:30 p.m.
Speaker Ready Room 1, Room 140 AB
Speaker Ready Room 2, Room 203AB
Hall D

SERVICES
HEALTH & SAFETY VERIFICATION CENTER
6:30 a.m. – 6:00 p.m.
Marriott Marquis, Capitol Hill
Hall D

COAT & BAGGAGE CHECK
10:45 a.m. – 6:45 p.m.
Hall D

INFORMATION DESKS
6:30 a.m. – 6:45 p.m.
Information Desk 1, Grand Lobby
Information Desk 2, Room 146 Concourse

DIGITAL EXPERIENCE AND APP SUPPORT
10:00 p.m. – 6:45 p.m.
Room 146 Concourse (at Information Desk 2)

PRESS ROOM
12:00 p.m. – 5:00 p.m.
East Overlook, Level 2

CONNECT AND INTERACT
STUDENT & POSTDOC LOUNGE
8:00 a.m. – 5:00 p.m.
Room 155
Thursday Schedule

THURSDAY, JUNE 9

MEETING 7:00 a.m. - 9:00 a.m.
GPHP Committee Meeting
(Invitation Only)
Marriott Marquis, Mint

MEETING 7:30 a.m. - 3:00 p.m.
Journals Committee Meeting
(Invitation Only)
Marriott Marquis, Archives

MEETING [HOLD FOR SESSION TYPE] 8:30 a.m. - 9:30 a.m.
Binning Singletons
Room 151 AB

COURSE/WORKSHOP 8:00 a.m. - 4:00 p.m.
Bioinformatics for Resistome-Microbiome Analysis of Shotgun Metagenomic Data
Salon G

COURSE/WORKSHOP 8:00 a.m. - 4:00 p.m.
Clinical Microbiology Board Review Course
Salon AB

COURSE/WORKSHOP 8:00 a.m. - 4:00 p.m.
Genomic, Transcriptomic and Metagenomic Analysis of Bacterial Data in the BV-BRC (aka PATRIC)
Room 103 AB

COURSE/WORKSHOP 8:00 a.m. - 4:00 p.m.
Mining Microbiomes: Analysis of Complex Microbiomes Using only a Laptop and Free Web Tools
Room 147 AB

COURSE/WORKSHOP 8:00 a.m. - 12:00 p.m.
ASM Young Ambassador of Science Retreat
(Invitation Only)
Marriott Marquis, LaDroit Park Shaw

MEETING 8:30 a.m. - 4:00 p.m.
ASM Board of Directors Meeting
(Invitation Only)
Marriott Marquis, Liberty Balloon UK

MEETING 9:30 a.m. - 12:30 p.m.
ASM Future Leaders Mentoring Fellowship Symposium: Day 2 (Invitation Only)
Salon J

INDUSTRY & SCIENCE WORKSHOP 8:30 a.m. - 10:45 a.m.
Rapid Identification of Circulating SARS-COV-2 Variants with a Scalable Solution to Identify Hundreds of Samples Supported by Thermo Fisher Scientific
Room 151 AB

INDUSTRY & SCIENCE WORKSHOP 11:00 a.m. - 11:45 a.m.
Innovative Fusion of Speed and Accuracy with eSTAR Molecular Technology Supported by LumiraDx
Room 151 AB

INDUSTRY & SCIENCE WORKSHOP 12:00 p.m. - 12:45 p.m.
Building Your Dream Assay: Automating Lab Developed Tests with the cobas omni Channel Supported by Roche Diagnostics
Room 151 AB

MEETING 12:00 p.m. - 2:30 p.m.
Branch Officers Forum
(Invitation Only)
Marriott Marquis, Capitol/Congress

COURSE/WORKSHOP 12:30 p.m. - 4:00 p.m.
Workshop for Water Quality Testing at the Community Level
(Invitation Only)
Marriott Marquis, LaDroit Park Shaw

INDUSTRY & SCIENCE WORKSHOP 10:00 a.m. - 1:45 p.m.
Precise and Complete Workflows for Antimicrobial Resistance (AMR) Detection and Analysis Supported by QIAGEN
Room 151 AB

COURSE/WORKSHOP 1:30 p.m. - 4:00 p.m.
Antimicrobial Stewardship Programs: Beyond the Basics
Room 143 ABC

COURSE/WORKSHOP 1:30 p.m. - 4:00 p.m.
Specimen Management and Clinical Relevance
Room 145 AB

COURSE/WORKSHOP 1:30 p.m. - 4:00 p.m.
Biofilms: A Condensed ASM Conference
Room 201

COURSE/WORKSHOP 1:30 p.m. - 4:00 p.m.
Machine Learning for Microbiology: From Technicalities to Ramifications
Room 207 A

MEETING 3:00 p.m. - 4:15 p.m.
ASM Microbe 2022 Attendee Orientation
Room 146 BC

MINI-CONFERENCE 1:30 p.m. - 4:00 p.m.
Current Status of Vaccine Research and Development for Clositudioides difficile
Room 206

MINI-CONFERENCE 1:30 p.m. - 4:00 p.m.
Laboratory Inspections: Beyond the CAP Laboratory Accreditation Program
Room 201

MINI-CONFERENCE 1:30 p.m. - 4:00 p.m.
ASM Young Ambassador of Science Retreat
(Invitation Only)
Marriott Marquis, Mt Vernon

MINI-CONFERENCE 1:30 p.m. - 4:00 p.m.
Antimicrobial Agents and Resistance
Room 206

MEETING 6:30 p.m. - 9:30 p.m.
AEM Editors Dinner (Invitation Only)
OFFSITE

MEETING 6:30 p.m. - 9:30 p.m.
ASM Communication Committee Meeting (Invitation Only)
Marriott Marquis, Mt Vernon

MEETING 6:30 p.m. - 9:30 p.m.
Advocacy Reception
Marriott Marquis, Liberty Ballroom MNOP

EVENT 8:00 p.m. - 9:30 p.m.
Agar Art On Display
The Fridge DC

GENERAL SESSION Opening Session and The Future of ASM
4:00 p.m. - 6:15 p.m.
Ballroom ABC

EVENT 7:00 p.m. - 10:00 p.m.
ASM PROGRAMMING 6:30 p.m. - 7:30 p.m.
IDEAA Town Hall
Room 146 BC

MEETING 6:30 p.m. - 9:30 p.m.
AEM Editors Dinner (Invitation Only)
OFFSITE

MEETING 6:30 p.m. - 9:30 p.m.
ASM Communication Committee Meeting (Invitation Only)
Marriott Marquis, Mt Vernon

MEETING 6:30 p.m. - 9:30 p.m.
Advocacy Reception
Marriott Marquis, Liberty Ballroom MNOP

EVENT 8:00 p.m. - 9:30 p.m.
Agar Art On Display
The Fridge DC

AAR
Antimicrobial Agents and Resistance

AES
Applied and Environmental Science

CIV
Clinical Infections and Vaccines

CPHM
Clinical and Public Health Microbiology

EEB
Ecology, Evolution and Biodiversity

HMB
Molecular Biology and Physiology

MBP
Molecular Biology and Physiology

PPS
Public Policy and Science
Friday Schedule (continued)

FRIDAY, JUNE 10

IN-DEPTH SYMPOSIUM
8:15 a.m. – 10:15 a.m.
Microbial Chromatin Dynamics and Regulation
Room 150 AB

IN-DEPTH SYMPOSIUM
8:15 a.m. – 10:15 a.m.
Rainbow of Harmful Algal Blooms: Monitoring, Control and Prevention
Room 145 AB

IN-DEPTH SYMPOSIUM
8:15 a.m. – 10:15 a.m.
The Inflammasome: Detection, Consequences and Evasion
Room 152 AB

WHAT’S NEW IN CLINICAL MYCOLOGY
8:15 a.m. – 10:15 a.m.
Host Microbe Biology
HMB Track Hub

RAPID FIRE
8:15 a.m. – 9:15 a.m.
Microbes in Sustainability and Climate Resilience
Lounge and Learn 3

RAPID FIRE
8:15 a.m. – 9:15 a.m.
Omics and Machine Learning on the Fight against AMR
Lounge and Learn 1

RAPID FIRE
8:15 a.m. – 9:15 a.m.
Short and sweet: MBPers’ Rapid-Fire talks
Lounge and Learn 2

ASM PROGRAMMING
10:00 a.m. – 5:00 p.m.
ASM.org User Testing
ASM Booth

POSTER TALK
10:45 a.m. – 11:15 a.m.
Plastics & Microbes: Making and Breaking
AES Track Hub

POSTER TALK
10:45 a.m. – 11:15 a.m.
Posters from all Hubs
Exhibit and Poster Hall Ab, ASM Booth

POSTER TALK
10:45 a.m. – 11:15 a.m.
Ecology, Evolution, and Biodiversity
CIV Track Hub

POSTER TALK
10:45 a.m. – 11:15 a.m.
Molecular Biology and Physiology
MBP Track Hub

POSTER TALK
10:45 a.m. – 11:15 a.m.
Microbial Strain Diversity
AES Track Hub

POSTER TALK
10:45 a.m. – 11:15 a.m.
In-Depth Symposium: Evolution & Biodiversity
PPS Track Hub

CAREER TALK
10:45 a.m. – 11:00 a.m.
The Scientist as an Entrepreneur
AES Track Hub

TRACK HUB
11:45 a.m. – 1:30 p.m.
The Journey of ASM Young Ambassadors to Advance the Microbial Sciences During the Pandemic
PPS Track Hub

TRACK HUB
11:45 a.m. – 1:30 p.m.
COVID: Variants and Vaccines - What the Future Holds
CIV Track Hub

TRACK HUB
12:45 p.m. – 2:30 p.m.
Microbial Cooperation and Conflict with Plant Hosts
MBP Track Hub

TRACK HUB
12:45 p.m. – 2:30 p.m.
The Scientist as an Entrepreneur
AES Track Hub

FINAL PROGRAM • 39
Friday Schedule (continued)

FRIDAY, JUNE 10

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Pathogens and Pest Control in Agriculture
Room 145 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Recent Advances from the Next Generation of Microbiologists
Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Reevaluating Infectious Disease Dynamics: Focusing on the Patient instead of the Pathogen
Room 102 A

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Small Molecules, Big Impacts
Room 150 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Tick, Talk, Boom: Newly Emerging Tick-Transmitted Disease
Room 208

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Trophic and Cross-Kingdom Ecology and Evolution of Multi-Kingdom Systems
Room 146 BC

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Level Up: Precision Medicine via Beta-Lactam Therapeutic Drug Monitoring
Salon C

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Metabolites in Host-Associated Microbiomes
Room 146 BC

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Non-Traditional Therapies
Salon AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Novel Structural Advances in the Inhibition of Penicillin-Binding Proteins
Salon GH

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Host-Microbe Interactions at the Single Cell Level
Room 152 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Inorganic Metabolism in Extreme Environments
Room 147 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Public Health Implications of Fungal Diseases: It’s Time for Action
Room 207 A

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Recent Advances in the Next Generation of Microbiologists
Room 146 BC

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Recent Advances from the Next Generation of Microbiologists
Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Revolutionizing Infectious Disease Dynamics: Focusing on the Patient instead of the Pathogen
Room 102 A

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Small Molecules, Big Impacts
Room 150 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Tick, Talk, Boom: Newly Emerging Tick-Transmitted Disease
Room 208

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Pathogens and Pest Control in Agriculture
Room 145 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Inorganic Metabolism in Extreme Environments
Room 147 AB

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Recent Advances from the Next Generation of Microbiologists
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Revolutionizing Infectious Disease Dynamics: Focusing on the Patient instead of the Pathogen
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IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Small Molecules, Big Impacts
Room 150 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Tick, Talk, Boom: Newly Emerging Tick-Transmitted Disease
Room 208

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
We’ve Been Here Before: Lessons We Should’ve Learned from Past Pandemics
Room 145 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
All the Microbiology That Is Known, All the Microbiology That Is Unknown
Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
All the Microbiology That Is Known, All the Microbiology That Is Unknown
Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
All the Microbiology That Is Known, All the Microbiology That Is Unknown
Room 151 AB

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Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
All the Microbiology That Is Known, All the Microbiology That Is Unknown
Room 151 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
All the Microbiology That Is Known, All the Microbiology That Is Unknown
Room 151 AB
Friday Schedule (continued)

EVENT
5:30 p.m. - 7:00 p.m.
ABMM/ABMLI Diplomate Reception (Invitation Only)
Marriott Marquis, Liberty Ballroom

EVENT
5:30 p.m. - 7:00 p.m.
ASM Ambassador Reception (Invitation Only)
Marriott Marquis, Independence Ballroom AB

EVENT
5:30 p.m. - 7:00 p.m.
Education Reception (Invitation Only)
Marriott Marquis, Liberty Ballroom VOP

EVENT
5:30 p.m. - 7:00 p.m.
38th Annual Minority Microbiologists Mixer
Marriott Marquis, Independence Ballroom FGH

EVENT
5:30 p.m. - 7:00 p.m.
Women’s Reception
Marriott Marquis, Liberty Ballroom JK

INDUSTRY & SCIENCE SYMPOSIUM
5:45 p.m. - 10:00 p.m.
2022 Annual Bruker Symposium at the Hotel Monaco
Supported by Bruker Microbiology & Diagnostics Division
Hotel Monaco, Paris Ballroom

INDUSTRY & SCIENCE SYMPOSIUM
6:00 p.m. - 8:00 p.m.
How Clinical Laboratories Empower Clinicians to Improve Patient Outcomes Supported by bioMérieux, Inc.
Marriott Marquis, Salon 6

EVENT
6:30 p.m. - 7:30 p.m.
Binning Singletons Opening Mixer
Marriott Marquis, Marquis Ballroom 7/8

ASM PROGRAMMING
6:30 p.m. - 9:00 p.m.
(Keep) Moving with Microbes (Pre-registration required)
ECO City Farms, Bladensburg, Md.

EVENT
6:30 p.m. - 7:30 p.m.
Division L (Healthcare Epidemiology) Virtual Mixer
Virtual

MEETING
6:30 p.m. - 9:30 p.m.
MMBR Editors Dinner (Invitation Only)
OFFSITE

MEETING
6:30 p.m. - 9:00 p.m.
Spectrum Senior Editors’ Dinner (Invitation Only)
OFFSITE

Saturday Overview

SATURDAY, JUNE 11

MEETING SERVICES
6:30 a.m. - 6:00 p.m.
Hall D

REGISTRATION
FULL ATTENDEE REGISTRATION
6:30 a.m. - 6:00 p.m.
Hall D

EXHIBITOR REGISTRATION
9:00 a.m. - 5:00 p.m.
Hall D

EXHIBIT AND POSTER HALL
10:00 a.m. - 5:00 p.m.
Exhibit and Poster Hall AB

SPEAKER READY ROOMS
6:00 a.m. - 5:00 p.m.
Speaker Ready Room 1, Room 140 AB
Speaker Ready Room 2, Room 203AB

ASM BOOK STORE
9:00 a.m. - 6:00 p.m.
Room 151 Concourse

SERVICES
HEALTH & SAFETY VERIFICATION CENTER
6:30 a.m. - 6:00 p.m.
Marriott Marquis, Capitol Hill

COAT & BAGGAGE
7:00 a.m. - 7:00 p.m.
Hall D

INFORMATION DESKS
6:30 a.m. - 7:00 p.m.
Information Desk 1, Grand Lobby
Information Desk 2, Room 246 Concourse

PRESS ROOM
8:00 a.m. - 5:00 p.m.
East Overlook (Level 2)

CONNECT AND INTERACT
ACADEMY FELLOWS LOUNGE
9:00 a.m. - 5:00 p.m.
Salon D (Level 1)

STUDENT & POSTDOC LOUNGE
8:00 a.m. - 5:00 p.m.
Room 155

TRACK HUBS
20:00 a.m. - 5:00 p.m.
Exhibit and Poster Hall AB

POSTER INFORMATION
POSTER MOUNTING FOR PRESENTERS
9:00 a.m. - 10:00 a.m.
Exhibit and Poster Hall AB

POSTER SERVICES
8:00 a.m. - 5:30 p.m.
Concourse A (Concourse Level)

POSTER DISMANTLE FOR PRESENTERS
5:00 p.m. - 5:30 p.m.
Exhibit and Poster Hall AB
Saturday Schedule

SATURDAY, JUNE 11

TRACK HUB
11:45 a.m. – 12:30 p.m.
Avoiding Dogmas and Pitfalls in Clinical Parasitology
CPHM Track Hub

TRACK HUB
11:45 a.m. – 12:30 p.m.
Back to the Future of Pandemics
CIV Track Hub

TRACK HUB
11:45 a.m. – 12:30 p.m.
Biases and Where to Find Them
MBP Track Hub

TRACK HUB
11:45 a.m. – 12:30 p.m.
An Update on Rapid Diagnostics in Infectious Diseases
CVE Track Hub

MEETING
1:15 p.m. – 2:00 p.m.
Public Engagement Networking Session
Lounge and Learn 4

CROSS-TRACK SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Microbes and Social Equity: The Microbial Components of Social, Environmental, and Health Justice
Room 206

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Beyond the Paper: Updates from and Untold Stories of AEM Highlights
Room 145 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Phage-encoded Traits Mediate Microbial Symbioses
Room 143 ABC

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Predicting Antimicrobial Resistance through Artificial Intelligence
Room 103 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Who is in Charge? The Back and Forth between Host and Microbes
Room 152AB

RAPID FIRE
3:00 p.m. – 3:45 p.m.
Hot off the Bench Two: CPEP Rapid Fires
Location TBD

EVENT
4:00 p.m. – 5:00 p.m.
Tweet Up
Exhibit & Poster Hall AB, ASM Booth
Saturday Schedule (continued)

SATURDAY, JUNE 11

TRACK HUB
4:00 p.m. – 4:45 p.m.
Advanced in vitro models for microbiome-host interactions
HMB Track Hub

TRACK HUB
4:00 p.m. – 4:45 p.m.
Antifungal Susceptibility Testing
AAR Track Hub

TRACK HUB
4:00 p.m. – 4:45 p.m.
Dispatches from Beyond the Ivory Tower: A Career in Industry and Government
MBP Track Hub

TRACK HUB
4:00 p.m. – 4:45 p.m.
Meet the New AEM Editor-in-Chief
AES Track Hub

TRACK HUB
4:00 p.m. – 4:45 p.m.
Science Communication: Combating Vaccine Hesitancy
DIV Track Hub

TRACK HUB
4:00 p.m. – 4:45 p.m.
The Role of Dispersal in Global Microbial Biogeography
EEB Track Hub

GENERAL SESSION
ASM President’s Forum: The Changing Human Microbiome
5:15 p.m. – 6:30 p.m.
Ballroom ABC

MEETING
6:30 p.m. – 9:00 p.m.
CMR Editors’ Dinner (Invitation Only)
OFFSITE

MEETING
6:30 p.m. – 9:00 p.m.
IAI Editors Working Dinner (Invitation Only)
Marriott Marquis, Archives

MEETING
6:30 p.m. – 9:00 p.m.
JCM Editors’ Dinner (Invitation Only)
OFFSITE

MEETING
6:30 p.m. – 9:30 p.m.
MRA Senior Editors Dinner (Invitation Only)
OFFSITE

EVENT
7:00 p.m. – 8:30 p.m.
Board of Directors Reception (Invitation Only)
Marriott Marquis, Liberty Ballroom URL

Sunday Overview

SUNDAY, JUNE 12

MEETING SERVICES
6:30 a.m. – 5:00 p.m.
Hall D

REGISTRATION
FULL ATTENDEE REGISTRATION
6:30 a.m. – 5:00 p.m.
Hall D

EXHIBITOR REGISTRATION
9:30 a.m. – 4:00 p.m.
Hall D

EXHIBIT AND POSTER HALL
10:00 a.m. – 4:00 p.m.
Exhibit and Poster Hall AB

SPEAKER READY ROOMS
6:00 a.m. – 4:30 p.m.
Speaker Ready Room 1, Room 140 AB
Speaker Ready Room 2, Room 203AB

ASM BOOK STORE
9:00 a.m. – 6:00 p.m.
Room 151 Concourse

SERVICES
HEALTH & SAFETY VERIFICATION CENTER
6:30 a.m. – 5:00 p.m.
Marriott Marquis, Capitol Hill

COAT & BAGGAGE
7:00 a.m. – 5:00 p.m.
Hall D

INFORMATION DESKS
8:30 a.m. – 5:00 p.m.
Information Desk 1, Grand Lobby
Information Desk 2, Room 146 Concourse

PRESS ROOM
8:00 a.m. – 5:00 p.m.
East Overlook, Level 2

CONNECT AND INTERACT
ACADEMY FELLOWS LOUNGE
9:00 a.m. – 5:00 p.m.
Ballroom D, Level 1

STUDENT & POSTDOC LOUNGE
8:00 a.m. – 5:00 p.m.
Room 155

TRACK HUBS
9:00 a.m. – 4:00 p.m.
Exhibit and Poster Hall AB

POSTER INFORMATION
POSTER MOUNTING FOR PRESENTERS
9:00 a.m. – 10:00 a.m.
Exhibit and Poster Hall AB

POSTER SERVICES
8:30 a.m. – 4:30 p.m.
Concourse A (Concourse Level)

POSTER DISMANTLE FOR PRESENTERS
4:00 p.m. – 4:30 p.m.
Exhibit and Poster Hall AB
Sunday Schedule (continued)
SUNDAY, JUNE 12

CROSS-TRACK SYMPOSIUM
1:45 p.m. – 3:45 p.m.
ASM 2022 Awards Spotlight
Room 207 A

CROSS-TRACK SYMPOSIUM
1:45 p.m. – 3:45 p.m.
The Multi-directional Exchange between Discovery, Public Policy, and Funding for Science
Room 206

CROSS-TRACK SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Vaccines and the Public: The Past, Present, and Future of Vaccine Development
Room 202 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Drug Resistance and Diarrheal Disease in the Developing World
Room 102 AB

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Impact of Pre-clinical PK/PD on Drug Approval
Salon C

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Improving Access to Healthcare through Self-Collection of Specimens
Room 207 B

IN-DEPTH SYMPOSIUM
1:45 p.m. – 3:45 p.m.
Wastewater-based Epidemiology: SARS-CoV-2 and Other Emerging Pathogens
Room 147 AB

ASM PROGRAMMING
2:15 p.m. – 3:45 p.m.
Communicating About Climate Change: Dismantling Barriers to EJ engagement
Marriott Marquis, Liberty Ballroom IJKL

CAREER TALK
3:00 p.m. – 3:45 p.m.
Drug Discovery and Development Microbiologist
POM Track Hub

MEETING
5:15 p.m. – 6:30 p.m.
Division Y: Public Health Business Meeting (Invitation Only)
Marriott Marquis, Chinatown

EVENT
6:30 p.m. – 9:30 p.m.
Academy Fellows Reception (Invitation Only)
Marriott Marquis, Marquis Ballroom 12/13
**Monday Overview**

**MEETING SERVICES**
9:00 a.m. - 12:00 p.m.
Hall D

**REGISTRATION**
FULL ATTENDEE REGISTRATION
6:30 a.m. - 10:00 a.m.
Day 1 Registration, Room 102AB

**CONNECT AND INTERACT**
INFORMATION DESKS
6:30 a.m. - 11:00 a.m.

COAT & BAGGAGE
6:30 a.m. - 10:00 a.m.

**HEALTH & SAFETY SERVICES**
9:00 a.m. - 1:00 p.m.

**ASM BOOK STORE**
6:00 a.m. - 9:30 a.m.

**SPEAKER READY ROOMS**
6:30 a.m. - 10:00 a.m.

**FULL ATTENDEE REGISTRATION**
6:30 a.m. - 10:30 a.m.

**MEETING SERVICES**

**MONDAY, JUNE 13**

**Monday Schedule**

**MEETING**
7:00 a.m. - 8:00 a.m.
AAC Editorial Board
Breakfast (Invitation Only)

Marriott Marquis, LeDroit/Shaw

**MEET-THE-EXPERT**
7:00 a.m. - 8:00 a.m.
Antibiotic Resistance in Clostridioides difficile

Salon C

**MEETING**
7:00 a.m. - 8:00 a.m.
Machine Learning in Laboratory Medicine: A Pathologist’s Experience

Room 207B

**MEET-THE-EXPERT**
7:00 a.m. - 8:00 a.m.
Clin Micro Open (Invitation Only)

Marriott Marquis, University of DC

**CROSS-TRACK SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Neglected Diseases of the Poor

Room 146BC

**CROSS-TRACK SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Why Don’t We Have a Vaccine for...

Room 202AB

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Adaptation of Mouse Models for Human Adapted Pathogens

Room 152B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Antibiotics: What for?

Room 207B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Bacterial Integration of Host Microbiota Cues Regulate Fitness and Virulence

Room 147B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Going Viral: The Spread of Health Misinformation and What We Can Do About It

Room 201L

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.

Salon GHI

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Microbial Genome Dynamics

Room 151B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.

Salon GHI

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Microbial Collective Behaviors

Room 150A

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.

Salon GHI

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Antibiograms: What for?

Room 148B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Human Adapted Pathogens

Adaptation of Mouse Models for Human Adapted Pathogens

Room 152B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Microbial Genome Dynamics

Room 151B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.

Salon GHI

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Antibiograms: What for?

Room 148B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Human Adapted Pathogens

Adaptation of Mouse Models for Human Adapted Pathogens

Room 152B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Microbial Genome Dynamics

Room 151B

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.

Salon GHI

**IN-DEPTH SYMPOSIUM**
8:15 a.m. - 10:15 a.m.
Antibiograms: What for?

Room 148B
Continuing Education

ASM Microbe Learning Objectives

Upon completion of ASM Microbe 2022, attendees should be able to:

- Discuss key updates in the areas of cellular, environmental, ecological, and evolutionary microbiology, microbial pathogenesis, and infectious diseases, applied and clinical microbiology, pharmacology, and microbiology education.
- Recognize and interpret new information regarding physiology, genetics, ecology, evolution, cell biology, and antimicrobial resistance of microbes.
- Synthesize new data on the roles of microbes in the environment, industrial and food science, health, and disease.
- Recognize new therapeutics and prevention strategies for infectious diseases and antimicrobial resistance.
- Use new technologies, practices, and developments to improve epidemiology, research studies, and clinical practice.
- Promote multi-disciplinary dialogue and collaboration among clinicians and investigators.

ACCREDITATION STATEMENT

Physicians: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The France Foundation and the American Society for Microbiology. The France Foundation is accredited by the ACCME to provide continuing medical education for physicians.

Laboratory Science: ASM is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

Credit Designation

Attendees of ASM Microbe 2022 will be able to claim up to 28.5 credits of the following types of credit:

- Accreditation Council for Continuing Medical Education (ACCME) - AMA PRA Category 1 Credit(s)™
- Accreditation Council for Pharmacy Education (ACPE) - All evaluations and credit requests should be submitted no later than 30 days after this live activity to ensure your credit fulfillment, as CE credit cannot be awarded past 60 days from the activity date - by July 13, 2022.
- P.A.C.E.® (Effective 2016, all ASM P.A.C.E.® accredited meeting activities must be claimed within 30 days of the presentation - by July 13, 2022)
- California Clinical Laboratory Personnel
- Florida Clinical Laboratory Personnel
- Certificate of Participation

Most sessions listed in the Antimicrobial Agents and Resistance (AAR), Clinical Infections and Vaccine (CIV), Clinical and Public Health Microbiology (CPHM), and Profession of Microbiology (POM) tracks will offer CE credits, as well as some general sessions. However, sessions in the aforementioned tracks that take place in the Exhibit and Poster Hall will not offer CE Credit. When reviewing sessions in the various meeting resources, please look for the “CE Credit Available” to confirm if CE credits are being offered via the Itinerary Planner. Those sessions without this marking will not offer CE Credit.

PHYSICIANS

The France Foundation designates this live activity for a maximum of 28.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Medical Association (AMA) has determined that physicians not licensed in the U.S. who participate in this CME activity are eligible for AMA PRA Category 1 Credits™.

PHARMACISTS

The France Foundation is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education and will award 2.85 CEU to pharmacists who complete the activity and evaluation forms. There is no fee to participate in this activity. This is a knowledge-based educational activity. Your CE credits will be submitted electronically to the CPE Monitor. CE providers must upload participant information within 60 days from the date the participant completed the live activity. Please submit all evaluations and credit requests no later than 30 days after this live activity to ensure your credit fulfillment, as CE credit cannot be awarded past 60 days from the activity date. The sessions offering ACPE credit will be designated in the registration materials with a Universal Activity Number (UAN) and hours of credit.

MAINTENANCE OF CERTIFICATION

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 28.5 Medical Knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

LABORATORY

Diplomats of the American Board of Medical Microbiology and the American Board of Medical Laboratory Immunology, and Registrants of the National Registry of Certified Microbiologists who are MDs and DOs may earn AMA PRA Category 1 Credits™ toward recertification. Other Diplomats and Registrants may claim P.A.C.E.®, CA or FL credits toward recertification. Professionals should claim credit commensurate with their level of participation in the activity.

Professional Acknowledgment for Continuing Education (P.A.C.E.®) is an administrative system established to stimulate and serve as the quality assurance mechanism for continuing education programs offered to clinical laboratory professionals by ASCLS constituent societies, laboratory industry, government agencies, hospitals and educational organizations.

CALIFORNIA CLINICAL LABORATORY PERSONNEL

The American Society for Microbiology is accredited by the
California Department of Health to offer continuing education for California Clinical Laboratory Personnel. All sessions designated for CME or P.A.C.E.® credits will also qualify for California CE credits toward license renewal.

FLORIDA CLINICAL LABORATORY PERSONNEL

The American Society for Microbiology is accredited by the Florida Department of Health to offer continuing education for Florida Clinical Laboratory Personnel. All sessions designated for CME or P.A.C.E.® credits will also qualify for Florida CE credits toward license renewal.

OTHER CE LICENSES

You may obtain a Participation Statement of Credit by completing the activity evaluation. This detailed statement documents your participation in the activity.

Please note: To provide the best science to ASM Microbe 2022 attendees, if a conflict of interest is discovered during content validation, CE credit is not offered for that specific session. For more information regarding ACCME compliance issues, please visit their website.

Method of Participation/How to Receive Credit

1. Review the activity objectives and CME/CE information.
2. Participate in the CME/CE activity.
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