

2024 ASM Conference for Undergraduate Educators

A

ABRCMS

L

All Attendees

NOVEMBER 14 • THURSDAY

8:30am – 9:00pm	A	ABRCMS Passholders: ABRCMS program runs 8:30 AM - 9:00 PM David L. Lawrence Convention Center (1000 Fort Duquesne Blvd, Pittsburgh, PA 15222)
8:00pm – 9:30pm	L	Informal meet-up at Sheraton Station Square Sheraton Station Square (300 W Station Square Dr, Pittsburgh, PA 15219)

A ABRCMS
L All Attendees
P Poster
S Session
W Workshop

NOVEMBER 15 • FRIDAY

PINNED 7:30am – 9:00pm	L	Registration Open	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
8:30am – 7:00pm	A	ABRCMS Passholders: ABRCMS program runs 8:30 AM - 7:00 PM	David L. Lawrence Convention Center (1000 Fort Duquesne Blvd, Pittsburgh, PA 15222)
9:00am – 12:15pm	W	Continuing your Biology Education Research: What are you doing, how's it going, and how can we help? <i>Speakers: Brian Gentry, Carlos Goller</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
9:00am – 12:15pm	W	Crawl, Walk, Run: Exploring the road to cultural competencies <i>Speakers: Terry Lee Watson</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
9:00am – 12:15pm	W	Staying Alive: An Engaging Workshop Exploring HHMI BioInteractive's Infectious Disease Resources <i>Speakers: Mark Randa, David Westenberg</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
9:00am – 12:15pm	W	TWIM podcast annotation training to provide virtual science literacy internship opportunities for students <i>Speakers: Nancy Boury, Rebecca Seipelt-Thiemann</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
9:00am – 1:00pm	W	From course to publication: A guide to data analysis and publications with students in microbiome science <i>Speakers: Ellen Dow, Elisha Wood-Charlson</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
12:15pm – 1:45pm	L	Lunch Break (on your own)	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
1:15pm – 1:45pm	L	Buddies Meet-up	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
1:45pm – 2:15pm	L	First-timers' orientation	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
1:45pm – 2:15pm	L	Networking activity for returning ASMCUE attendees	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
2:30pm – 3:30pm	L	Opening comments & Plenary by Erica McGreevy <i>Speakers: Erica McGreevy</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
3:40pm – 4:10pm	S	AI-Driven Innovations in Science Education: Strategies to Prevent Instructor Burnout and Enhance Learning <i>Speakers: Portia Mira, Joshua Eckenrode</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
3:40pm – 4:10pm	S	Deadline improvements using a student-centered approach: Communication and responding to student emergencies <i>Speakers: Joseph Ruesch</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
3:40pm – 4:10pm	S	Demystifying Undergraduate Research Experiences to Increase Access and Equity for Four-Year and Community College Students <i>Speakers: Eric Pennino</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
3:40pm – 4:10pm	S	Fostering Engagement and Community in the Classroom and Strategies for Supporting Undergraduate Learning Assistants in the Art of Teaching <i>Speakers: Katriana Popichak, Jennifer McLean</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
3:40pm – 4:10pm	S	Using learning outcomes to focus your teaching on student learning <i>Speakers: Sue Merkel, Ann Stevens, Jayna Ditty</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)

4:20pm – 4:50pm	S	From static to dynamic: Evaluating the effectiveness of a liquid syllabus in fostering student belonging and excitement for a course <i>Speakers: Michaela Gazdik</i> Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276) <i>Stofer</i>
4:20pm – 4:50pm	S	Impact of Pre-Recorded Lectures on Academic Performance: Enhancing Equity and Inclusivity for Student Learning Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274) <i>Speakers: Linsey Donner, Marnie Imhoff</i>
4:20pm – 4:50pm	S	Making Friends with the Terminator: Understanding AI, How to Detect its Use, and Making it a Productive Part of Your Classroom Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275) <i>Speakers: Timothy Paustian</i>
4:20pm – 4:50pm	S	Professional Development of Natural Science Faculty Teaching CURE-based Courses <i>Speakers: Catherine Spirito</i> Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
4:20pm – 4:50pm	S	Reforming introductory biology with a diversity and race module integrated with fundamental biology concepts Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273) <i>Speakers: Iglia Pavlova</i>
5:00pm – 5:30pm	L	Roundtable discussions Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
5:30pm – 7:00pm	L	Affinity Dinners TBA
7:00pm – 9:00pm	L	Exhibit & Poster Hall Open Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
7:15pm – 8:15pm	P	A Brewing Need for Undergraduate Cannabis Education <i>Speakers: Kevin Bonney</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Apprenticeship Research Experiences (AREs): A novel laboratory course to support inclusive experiential learning in undergraduate science education <i>Speakers: Lisa D'Ambrosio</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Build A Scientist Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Stephanie Carr, Mary Allen</i>
7:15pm – 8:15pm	P	Building Micropia: An interactive portfolio for a microbiology themed First Year Seminar course Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Amanda Rushing</i>
7:15pm – 8:15pm	P	Engaging students in computational modeling using an interactive lesson that teaches coding through conceptual understanding of inheritance <i>Speakers: Christian Cammarota</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Enhancing Learning Outcomes in Pharmaceutical Microbiology: An Active Learning Approach in a Large-Enrolment Lab <i>Speakers: Tazeen Husain, Sadaf Farooqi</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Flexibility and adaptability in the post COVID education while managing burnout: Learnings from a 413-year old University in the Philippines <i>Speakers: Ma. Sheila de Jesus</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Gaining “CRISPR” Understandings in a Molecular Microbiology Lab: a student-driven laboratory exercise focusing on experimental design <i>Speakers: Tammy Bullwinkle</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Genome Wide Association Studies & Bioinformatic Tools in Undergraduate Classrooms: The Power of Arabidopsis thaliana Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Katelyn Butler</i>

7:15pm – 8:15pm	P	HHMI SEA PHAGES: Empowering all students with scientific engagement and discovery in an inclusive learning environment. Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Pushpa Ramakrishna</i>
7:15pm – 8:15pm	P	Incorporating Phage Isolation into the Tiny Earth CURE <i>Speakers: Elizabeth Emmert</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Innovating Microbiology Education: Developing and Implementing Virtual Labs for Undergraduate Students Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Fabian Davamani</i>
7:15pm – 8:15pm	P	Integrating molecular diagnostics into classical bacteriology exercises to identify unknowns. General microbiology introductory laboratory lessons. <i>Speakers: Keith Lampel</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Jeopardy-Style Questions: A Game-Changer for Active Learning in Biological Sciences <i>Speakers: Liu Cao</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Learning About Microbes: A lab manual for teaching microbiology to middle and high school students Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Brian Forster</i>
7:15pm – 8:15pm	P	Locked in the Lab Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Jennifer Bennett, Sean Coleman</i>
7:15pm – 8:15pm	P	Preparing for the Unthinkable: A Collaborative Biothreat Assessment Exercise Provides Deeper Understanding of Epidemiological Principles <i>Speakers: Rebecca Guy</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	The Use of Blockbuster Movies to Facilitate Engaged Learning in the Undergraduate Microbiology Classroom Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Christine Bieszczad</i>
7:15pm – 8:15pm	P	The use of popular media in online microbiology lecture videos <i>Speakers: Andy Brader</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Using ASM's Meet the Microbiologist Podcast to Engage Students in Current Research, Professional Development, and DEI. <i>Speakers: Justin Pruneski</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
7:15pm – 8:15pm	P	Using Concept Maps to Foster Deep Learning in Biochemistry: A Focus on Electron Transport Chain and Chemiosmosis <i>Speakers: Olivia Long</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)

A ABRCMS **L** All Attendees **M** Microbrew Talk **P** Poster **S** Session

NOVEMBER 16 • SATURDAY

PINNED 7:30am – 6:00pm	L	Registration Open	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
PINNED 8:30am – 9:30am	L	Plenary. This Week in Microbiology: A Live Podcast Experience for Boosting Microbiology Education	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224) <i>Speakers: Mark Martin, Vincent Racaniello, Michael Schmidt</i>
8:30am – 12:00pm	A	ABRCMS Passholders: ABRCMS program runs 8:30 AM - 12:00 PM	David L. Lawrence Convention Center (1000 Fort Duquesne Blvd, Pittsburgh, PA 15222)
9:40am – 10:10am	S	An Integrated Approach to Strengthening Diversity, Equity, Inclusion, and Belonging at the Department/Program Level	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273) <i>Speakers: Kara Mosovsky</i>
9:40am – 10:10am	S	Connecting the Visible and Invisible Worlds of Art and Microbiology	<i>Speakers: Joanna Klein</i> Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
9:40am – 10:10am	S	Improving quantitative and data interpretation skills using HHMI BioInteractive's antibiotic resistance resources	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276) <i>Speakers: Karen Avery</i>
9:40am – 10:10am	S	Part 1: Pedagogy, Curriculum, and Education Research - Getting Started with Ideas	<i>Speakers: Samantha T. Parks, Carlos Goller, Jeffrey T. Olimpo, David Westenberg</i> Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
10:15am – 10:45am	S	Curriculum Mapping 101: How to Scaffold a Program of Study Based on ASM's New Curriculum Guidelines	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274) <i>Speakers: Nancy Boury</i>
10:15am – 10:45am	S	Inclusive Assessments: Guidelines to Ensure Equitable and Accessible Assessment Items	<i>Speakers: Heather Seitz</i> Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
10:15am – 10:45am	S	Part 2: Pedagogy, Curriculum and Educational Research - Getting Started with Publishing	<i>Speakers: Samantha T. Parks, Carlos Goller, Jeffrey T. Olimpo, David Westenberg</i> Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
10:15am – 10:45am	S	Sensing Microbes: Connecting people to the microbes in their daily life.	<i>Speakers: Anne Estes, Julia Maresca, Angela Oliverio</i> Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
PINNED 10:50am – 12:15pm	L	Exhibit Hall Open with Posters	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
11:00am – 12:00pm	P	Assembling Knowledge of Metagenome Assembled Genomes (MAGs) through Annotation and KBase	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Carlos Goller</i>
11:00am – 12:00pm	P	Class debate as an effective learning tool that promotes collaborative and active learning	<i>Speakers: Thiru Vanniasinkam, Bhaswati Manish, Archana Lal</i> Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Designing custom microbiology courseware to encourage self-regulated learning using the Codon Learning platform.	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Karen York, Erin Vinson</i>

11:00am – 12:00pm	P	Drosophila Variation in Experimental Design and Analysis (DrosoVEDA): An intuitive plain-English approach to variation and statistics for first-year students from diverse backgrounds <i>Speakers: Mary Morrison</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Empowering Students in Molecular Genetics: A Scalable Research Model for Threatened Species Conservation <i>Speakers: Kelsie Bernot, Sarah Singh, Elena Tonkin</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Enhancing Student Engagement and Understanding in Microbiology through Interactive Case-Based Learning <i>Speakers: Asma Bashir</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Enhancing Student Learning and Inclusion in Environmental Toxicology through Hands-on Biological Models <i>Speakers: Liu Cao</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Generative AI in Undergraduate Education: Challenges and Strategies for Ethical Integration <i>Speakers: Helen Walter</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Helping Students Explore and Build Positive STEM Identities: An Interdisciplinary Cohort Design <i>Speakers: Olivia Long</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Implementing a Simulated Biomedical Conference on COVID-19 Diagnosis at Various Institutions: Impact on Student Learning of Vision and Change Core Concepts and Competencies <i>Speakers: Aparna Shah, Iglia Pavlova, Sean Coleman, Archana Lal, Sumali Pandey</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Incorporating Study Skill Assignments in Introductory Biology Course Improves Outcomes <i>Speakers: Eileen Hotze</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Native California Plants and Classical Microbiology to Foster Inquiry, Discovery, and Inclusion in the Classroom <i>Speakers: Ashley McCarley</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Promoting Inclusive and Achievement-Oriented Practices in STEM Classrooms Using a Faculty Learning Community Model <i>Speakers: Mark Kuhlmann, Kevin Schultz</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Simulated medical laboratory experiences increased students' perceived comfort communicating technical information by telephone <i>Speakers: Emily Matthys</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Teaching Evolution in the Context of Immunology <i>Speakers: Rebekah Taylor, Timothy Paustian, Thiru Vanniasinkam, Archana Lal, Sumali Pandey</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Virtual Reality Produces Learning Gains and Other Benefits in a STEM Higher Education Classroom <i>Speakers: Jennifer Bennett</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
11:00am – 12:00pm	P	Who is the peer in peer review? Engaging undergraduate students in preprint peer review <i>Speakers: Sarah Fankhauser</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
12:15pm – 1:15pm	L	Networking lunch	TBA
1:15pm – 1:50pm	L	Plenary. This Joy That I Have...Fostering Justice and Joy Through STEM Transformation <i>Speakers: Terrell Morton</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)

2:00pm – 2:30pm	S	Embracing the Right FIT: How First-Day Instructor Talk in Biology Laboratory Courses Supports the Creation of Positive Learning Environments <i>Speakers: Jeffrey Olimpo</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
2:00pm – 2:30pm	S	Professional development through publishing educational materials <i>Speakers: Ann Stevens, Jayna Ditty, Susan Merkel</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
2:00pm – 2:30pm	S	Typhus & the 1917 Bath Riots: A Case Study Highlighting Opportunities & Strategies to Integrate Social Justice in Microbiology Education <i>Speakers: Stefanie Iverson Cabral</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
2:00pm – 2:30pm	S	Unlocking Potential: Empowering Students through Undergraduate Research Experiences at Community Colleges <i>Speakers: Renu Kumar</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
2:40pm – 2:55pm	M	A discussion activity for learning and assessment of the Core Concepts of Biology <i>Speakers: Jean Huang</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
2:40pm – 2:55pm	M	Creating a Supportive Student Network: How Peer Mentoring Enhances Microbiology Education <i>Speakers: Ines Rauschenbach</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
2:40pm – 2:55pm	M	Fostering discussion on health disparities and global awareness in an undergraduate microbiology course through the use of primary scientific papers. <i>Speakers: Lauren Logsdon</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
2:40pm – 2:55pm	M	Strategies to Re-Engage Students with In-Person Instruction <i>Speakers: Miriam Markum</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
2:40pm – 2:55pm	M	Using STEM-spiration Profiles to Highlight Diverse Scientists <i>Speakers: Julie Oliver</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
3:00pm – 3:15pm	M	AI Scientist Spotlights: Highlighting the Role of Artificial Intelligence in the Biology Professions <i>Speakers: Christina D'Arcy, Jeffrey Olimpo</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
3:00pm – 3:15pm	M	Facing your fears: math skills in micro lab <i>Speakers: Illona Gillette-Ferguson</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
3:00pm – 3:15pm	M	The Tiny Earth CURE equitably develops scientific self-efficacy and identity, which mitigate persistence losses <i>Speakers: Sarah Miller</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
3:00pm – 3:15pm	M	Use of "Career Competencies" in teaching lab notebooks in an undergraduate Biotechnology Laboratory <i>Speakers: Nancy Magill</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
3:00pm – 3:15pm	M	Whatever the case may be: Developing unfolding case studies to prepare students for NexGen-NCLEX <i>Speakers: Anna Gregory, Suzanne Karcher</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
3:20pm – 3:35pm	M	Big data analytical techniques (BDAT): Influenza viral dynamics and vaccine design course module <i>Speakers: Melanie Melendrez-Vallard</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
3:20pm – 3:35pm	M	Faculty Fellowships: Embracing the Power of Collaboration and Participation <i>Speakers: Heather Townsend, Carlos Goller</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)

3:20pm – 3:35pm	M	Incorporating Primary Literature into Your Class Using This Week in Microbiology (TWiM) Podcasts and an OER Pressbook, Podcast Annotation Resources: Microbiology (PAR:M) <i>Speakers: Nancy Boury, Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)</i> <i>Rebecca Seipelt-Thiemann, Gwendolyn Knapp</i>
3:20pm – 3:35pm	M	MARVEL: Microbiology Achievement through Research and Valuable Experiential Learning <i>Speakers: Brandi Sigmon Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)</i>
3:20pm – 3:35pm	M	WikiScience: Harnessing Wikipedia for Science Communication and Collaboration <i>Speakers: Katelyn Mroczek Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)</i>
3:40pm – 5:45pm	L	Exhibit & Poster Hall Open Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
3:45pm – 4:45pm	P	A Novel Bacteriophage Transduction Activity for Any Sized Microbiology Course <i>Speakers: Katriana Popichak Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	A Playful Approach to Project Based Learning through LEGO <i>Speakers: Welkin Pope Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Antibiotics in a Communication-Intensive General Education Course: (Student) Resistance is Futile...Or Is It? <i>Speakers: Susan Wang Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Assessing how Group Discussions can Promote Social Metacognition and Improve Students' Learning, Retention and Engagement in Class <i>Speakers: Diviya Ray Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Becoming Writer/Scientists: Evolution of Skill and Identity Beliefs of Biology During Within a Capstone Writing Course <i>Speakers: Natasha George Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Case Studies to Teach Vision and Change, Socioscientific Issues, and DEI/J Concepts: Stories that make Content Stick Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Nancy Boury, Rebecca Seipelt-Thiemann, Amaya Garcia Costas</i>
3:45pm – 4:45pm	P	Catholic Social Teachings in Microbiology: How Catholic Social Teaching Principles Can be Used to Connect Microbiology to Social Justice in an Undergraduate Microbiology Course <i>Speakers: Ja'Neen Reay Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Connections with models: Engaging students to evaluate, share, and make connections between models in biology and across courses <i>Speakers: Iglia Pavlova Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Creating a Flexible Framework to Allow Student Designed Research as Part of an Environmental Microbiology Class Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Elizabeth Schoenfeld</i>
3:45pm – 4:45pm	P	Demonstration of Membrane Transport of Histidine using Goat Intestinal Inverted Sacs: An Experiential Pedagogical Tool for Undergraduates <i>Speakers: Vandana Malhotra Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Encouraging Student-Ownership and STEM Identity through Student-Created Lab Manual <i>Speakers: Emily Rabinsky Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>
3:45pm – 4:45pm	P	Evaluating the Impact of Structured Homework Assignments on Student Performance in an Upper Division Genetics Course. Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366) <i>Speakers: Hikmet Nural Guvener</i>
3:45pm – 4:45pm	P	Experiential learning via extended-Course-based Undergraduate Research Experiences <i>Speakers: Indu Sharma Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)</i>

3:45pm – 4:45pm	P	High Achievement in Organic Chemistry is a Good Indicator of Success in General Microbiology <i>Speakers: Camilla Ambivero</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	It's okay to be wrong (and it's good to be corrected) – reducing stigma and building grit for learning biology <i>Speakers: Khayriyyah Mohd Hanafiah, Jonathan Millen</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Microbial March Madness: A CURE for bacterial physiology <i>Speakers: Jacqueline Miralles-Salazar</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	OER: Online Encyclopedia of Biological Methods <i>Speakers: Katie Mattaini</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Re-Enactment for Engaging Learners in the Classroom <i>Speakers: Yvonne Sun</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Research based study abroad course - India <i>Speakers: Priyusha Pokala</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Student Group Fermentation Competition Using Adjuncts in All-Grain Brewing to Increase Alcohol Content <i>Speakers: Jonathan Coffman</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Team projects to promote interest in basic microbiology <i>Speakers: Linda Mezule</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Undergraduate Education Officers for Research Programs <i>Speakers: Stephanie Carr, Andrew Daisernia</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	Using Authentic Research Experience to Stimulate Student Interest and Sense of Belonging <i>Speakers: Curtis Henderson</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
3:45pm – 4:45pm	P	What if student could fail without repercussion? <i>Speakers: Manuela Tripepi</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	A Scaffolded Biofilm Laboratory Project for Improving Student Learning of Scientific Methods <i>Speakers: Mary Allen</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	A transposon-based CURE to improve student understanding of the genotype to phenotype concept <i>Speakers: Hans Wildschutte, Joanna Klein</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	CUREing the antibiotic crisis <i>Speakers: Kathleen Boyle</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Deliberate Training in Argumentation Helps Promote Ethical Reasoning: The Case for Ethical Training <i>Speakers: Hayden Huggins, Carlos Goller, Pricilla Rozario, Shweta Trivedi</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Developing a semester-long CURE to support your research goals <i>Speakers: Katrina Twing</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	E-Portfolios and Individualized Learning in a Large STEM Class <i>Speakers: Ines Rauschenbach</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Educational Integration of Biofilm Research: Creating a Versatile Assay for Diverse Bacterial Species <i>Speakers: Sandra Fox-Moon</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)

4:50pm – 5:50pm	P	Empowering Low -Income students in STEM through NSF-S-STEM Program <i>Speakers: Renu Kumar</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Enhancing Undergraduate Research Capacity in Biological and Biomedical Sciences: Insights from Ottawa University's Course-Based Approach <i>Speakers: Demelash Areda</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Exploring Microbes: An Inspirational Approach to Teaching Microbiology <i>Speakers: Luciana Amado</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	From Hypothesis to Experiment: Enhancing Student Engagement in a Microbiology CURE with E. coli Single-gene Knockout Strains and Bacteriophage <i>Speakers: Jessica O'Hara</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Incorporation of a microbiology laboratory activity in OMS1 curriculum improves student attitudes and performance <i>Speakers: Victoria Hrach</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Innovations in pedagogy: How to engage a new generation of students? <i>Speakers: Hossam Ashour, Hatem Elshabrawy</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Lessons from Ted Lasso for the College Microbiology Classroom <i>Speakers: Christine Bieszczad</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Lessons Learned and Opportunities Discovered: Successful implementation of SEA-PHAGES at a 2-year Community College (Metropolitan CC) in Nebraska <i>Speakers: Bhaswati Manish</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Perceived Academic Judgement Of Undergraduate Science & Agriculture Students Improves Upon Using An Assessment Literacy Module <i>Speakers: Sarah Frankland</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Strategies for Highlighting the Invisible Voices in Microbiology <i>Speakers: Grace Borlee, Carolina Mehaffy</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Strategies for implementing course-based undergraduate research experiences (CUREs) integrated with an undergraduate journal <i>Speakers: David Oliver</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Student-Created Posters: Unveiling Immunity Through Unique Analogies <i>Speakers: Beth Pethel</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	The Prevalence of Antibiotic Resistance in the Environment course-based undergraduate research experience as the foundation for an integrative first-year first-semester biology laboratory curriculum. <i>Speakers: Sean Coleman</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Use of 3D-printed microscope adapters in an undergraduate biology lab course <i>Speakers: Erik Hill</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Use of nonfiction books to discuss ethical issues in Microbiology <i>Speakers: Ramaydalis Keddiss</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Using podcasts and as an educational tool in Microbiology <i>Speakers: Luis Plaza</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
4:50pm – 5:50pm	P	Using the MEGA-plate Experiment to Engage Students in Microbiological Concepts and Evolutionary Thinking Around Antibiotic Resistance <i>Speakers: Justin Pruneski, Stephanie Carr, Nikolas Stasulli</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)

8/20/24, 2:24 PM		2024 ASM Conference for Undergraduate Educators: Print Schedule	
4:50pm – 5:50pm	P	Using “Arts to remember” (ATR) to improve the Pharmacy student’s conceptual understanding of concepts in advanced Microbiology <i>Speakers: Akosua Dufie Ankomah</i>	Allegheny II & III (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15366)
6:00pm – 8:00pm	L	Affinity Dinners	TBA
7:30pm – 9:30pm	A	ABRCMS passholders: Keynote address, Alumni panel discussion, Awards Ceremony & Recognition	David L. Lawrence Convention Center (1000 Fort Duquesne Blvd, Pittsburgh, PA 15222)

L All Attendees **M** Microbrew Talk **S** Session

NOVEMBER 17 • SUNDAY

8:30am – 11:30am	L	Registration Open	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
9:00am – 9:45am	L	Plenary. Navigating Microbiology and Biology Education Careers: The Power of Community <i>Speakers: Lee Hughes</i>	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
10:00am – 10:30am	S	DEIB, Science Identity, and STEM: A Mixed Method Study <i>Speakers: Kevin Schultz, Zachary McKenney</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
10:00am – 10:30am	S	How to Survive Team Teaching: Aligning your Values to Teach Together <i>Speakers: Deepali Ravel, Lauren Essler, Aimee Hollander</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
10:00am – 10:30am	S	Improving visual literacy in molecular biology through gameplay and interactive media <i>Speakers: Crystal Uminski</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
10:00am – 10:30am	S	The BioGraphI Project: Valuing diverse identities and fostering data literacy in STEM curricula <i>Speakers: Kristen Butela</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
10:00am – 10:30am	S	Using the Undergraduate Virology Curriculum Guidelines and Learning Objectives to Incorporate (More) Virology Into Your Course <i>Speakers: David Kushner, Lauren O'Donnell</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
10:35am – 11:05am	L	Round Table Discussion	Westin Downtown (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15224)
11:10am – 11:25am	M	Debugging with purpose: Smoothing the bioinformatics learning experience with generative AI <i>Speakers: Philip Arevalo</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
11:10am – 11:25am	M	Let's Get Personal: Writing Personally-Experienced Case Studies Enhances Undergraduate Critical Thinking. <i>Speakers: Linda Young</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)
11:10am – 11:25am	M	MLS and PA students working together to tackle Antimicrobial Resistance <i>Speakers: Amber Kimble</i>	Butler (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15273)
11:10am – 11:25am	M	Re-thinking pre-requisite courses - Investigating the role of Organic Chemistry and Biochemistry in the success of undergraduate science majors, medical, and dental students. <i>Speakers: Kelly Collins</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
11:10am – 11:25am	M	"Microbes Inside Me": Utilizing Student-issued iPads to Create Video Projects <i>Speakers: Allison Scherer</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
11:30am – 11:45am	M	Beyond the Bench: Integrating Bioethical Topics in Microbiology and Immunology courses <i>Speakers: Aisling Dugan</i>	Westmoreland Central (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15276)
11:30am – 11:45am	M	Characterization of Microbes from the Streams and Lake at Cedar Beech Park <i>Speakers: Giancarlo Cuadra</i>	Westmoreland East (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15274)
11:30am – 11:45am	M	ChatGPT, Friend or Foe? Exploring Ways to Use Artificial Intelligence as a Virtual Laboratory Assistant <i>Speakers: Mary Mawn</i>	Allegheny I (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15275)
11:30am – 11:45am	M	Escape the Lab! A Biochemistry Escape Room <i>Speakers: Sharron Crane</i>	Somerset (Federated Tower, 1000 Penn Ave, Pittsburgh, PA 15309)

