



American Society for Microbiology



Premier Society at the Forefront of Broader Impact Initiatives

As the primary ambassadors to scientific disciplines, professional societies stand at the interface between the general public, trainees, educators, and practitioners. By supporting, disseminating, and developing structured programs, disciplinary societies are poised to be the most durable and sustainable vehicles of broader impact (BI) initiatives. The **American Society for Microbiology (ASM)** is the leading professional society to model BI sponsorship. ASM actively promotes BI activities through the following avenues: (1) ASM supports individual and collaborative BI efforts of its members through fellowships, professional development, and k-12 and public outreach, (2) ASM manages diverse networks and communities that encourage recruitment and collaborations through its members, minority initiatives, and undergraduate-focused conferences, and (3) ASM capitalizes on the use of multimedia and social events to communicate science to a broader audience. Most recently, ASM has implemented the *Leaders Inspiring Networks and Knowledge (LiNK)* Program, an initiative to advance investigator-educator collaborations, interdisciplinary research and broaden participation in STEM fields. By aligning our efforts with the needs of various stakeholders, ASM has created successful programs to broaden participation and increase public engagement in the STEM fields.



Figure 1. Broader Impacts at ASM

ASM hosts several programs to: (1) conduct society-based BI activities and (2) support the BI efforts of its members. The schematic highlights examples of ASM resources by target audience, including BI initiatives to encourage engagement/collaborations amongst the various stakeholders.

Community Engagement

Online



MicrobeWorld.org is a multimedia rich website dedicated to making the science of microbiology accessible and relevant for all.

Features news, videos, and radio broadcasts

Print



Public outreach



Social Events



Social media



Podcasts



Resources for Educators



ASM Conference for Undergraduate Educators

ASMCUE convenes 300+ biologists and biology educators to share best practices for undergraduate education, including broadening participation.



ML is a peer-reviewed, digital media center for undergraduate microbiology to foster scholarly teaching and good pedagogy.



ASM Committee for K-12 Outreach sponsors programs to improve K-12 science teaching, including:

- Curriculum resources and guidelines
- Classroom and outreach activities
- Discussion forums and education network

Developing Future Scientists



ABRCMS is the largest (~3000 participants) professional conference for minority students to pursue advanced training in STEM fields.

Student Fellowships

ASM Undergraduate Research Capstone
Robert Watkins Graduate Fellowship

Professional Development

ASM Minority and Student Travel Awards
Science Teaching Fellows Program

Mentoring Resources

Faces on the Go
Minority Microbiology Mentoring Program

Support for Investigators



ASM/NSF-LiNK initiative supports investigator-educator collaborations to:

- Advance interdisciplinary research
- Broaden participation in STEM



William Hinton Research Award

ASM-LiNK Mentoring Award

Travel Grants

- ABRCMS-LiNK Travel Award
- ASMCUE-LiNK Travel Award
- Minority Travel Grant

Outreach Toolkit: online guidelines, tips, activities and other resources to help scientists engage in public outreach with the K-12 community

Learn more: www.ASM.org