ASM Health

Advancing Microbial Science for a Healthier World

Our Vision

A world where microbial innovation safeguards public health, promotes wellness, ensures equitable and resilient health for all, and supports One Health.

Our Mission

To globally advance the understanding and application of microbial sciences for improving health outcomes, promoting wellness and enhancing disease prevention through innovative research, education and community engagement—while supporting microbiology professionals.

The American Society for Microbiology (ASM) is the home for microbiologists from around the globe to connect, learn, discover and prepare for the future.

ASM and its 38,000 members around the world partner with global organizations, thought leaders and all those with a stake in microbial sciences to solve the world's most pressing challenges.

AMERICAN SOCIETY FOR MICROBIOLOGY

How We Work

- Identify gaps in science and technology.
- Shape scientific strategies and roadmaps.
- Publish white papers and research insights.
- Convene expert symposia and roundtables.
- Lead public outreach and advocate health.
- Foster global networking and collaboration.
- Forge strategic funding and partnerships.
- Educate and inform professionals and the public.
- Engage and empower the microbial community.

Strategic Focus Areas

- Diagnostics and laboratory systems.
- Vaccines, immunology and prevention.
- Antimicrobials and therapeutics.
- Clinical infectious disease management.
- Public health and surveillance.
- Microbiomes and ecosystem health.

Impact

- Early detection of disease.
- Proactive health protection.
- Personalized diagnostics and care.
- Informed communities.
- Data-driven health policies.
- Stronger, resilient health systems.

Who We Serve

- Scientists.
- Clinicians.
- Academic researchers.
- Educators.
- Public health leaders.
- Industry innovators.
- Policy makers and government.
- Non-profit and community partners.
- All people.

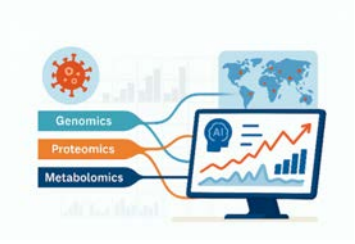
Current Initiatives at ASM Health

ASM Health's scientific initiatives bring together academia, industry, government and nonprofit partners to solve the world's most pressing health challenges in a way no other entity can.

Diagnostic Innovation Institute

Transforming Infectious Disease Diagnostics With AI and Next-Generation Technologies

A collaborative hub accelerating rapid, accurate and accessible diagnostic testing. We integrate digital platforms and AI-driven analytics to strengthen global health systems and improve patient outcomes.



Integrated Multi-Omics Powered Ecosystem

Redefining Diagnosis, Triage and Surveillance of Infectious Diseases

Combining genomics, transcriptomics, proteomics and metabolomics, this initiative leverages AI and real-time analytics to predict outbreaks, guide treatment strategies and enable precision public health interventions.

Microbiome to Medicine Initiative

Harnessing Microbial Ecosystems for Diagnostics, Therapeutics and Prevention

A translational program bridging microbiome science with clinical care. We develop microbiome informed diagnostics, therapies and preventive strategies for personalized health.

Phage Therapy Coordination Network

Unlocking Bacteriophage Therapies for Antimicrobial Resistance (AMR) Through Coordinated Access and Regulatory Approvals

A global effort to validate and scale phage-based treatments. We coordinate research, regulatory pathways and clinical trials to deliver targeted alternatives to antibiotics.

Join ASM Health

Whether you're developing diagnostics, therapeutics, microbiome tools or surveillance platforms, ASM Health connects you with the right experts, infrastructure and opportunities to accelerate impact.

Partnership With Industry

ASM Health offers structured, science-driven collaboration for industry to reduce barriers and accelerate innovation:

- Scientific matchmaking with academic labs.
- Real-world validation and user feedback.
- Co-development of standards and pilot projects.
- Year-round visibility and thought leadership opportunities.

Learn More About ASM-H and Share Your Ideas!

Help shape the future of ASM Health. Send your ideas and request early access: **health@asmusa.org**

asm.org/health