Outside Written Testimony for the record from the
American Society for Microbiology to the
Subcommittee on Energy and Water Development and Related Agencies
Committee on Appropriations, United States Senate
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Submitted on behalf of: Allen Segal, Director of Public Policy and Advocacy
American Society for Microbiology, 1752 N Street, NW, Washington, DC 20036
(202) 737-3600; ASegal@asmusa.org

In recent testimony before the House Science, Space, and Technology Committee, ASM

facilitates more efficient use of microbiome data for applications in energy, environment, health, and agriculture.

Discoveries in targeted areas such as quantum science and technology, genomics, microelectronics, and machine learning have potential far-reaching impacts that spawn the creation of new industries. For example, DOE has also taken the lead on bio-based energy, transportant fuel and chemicals innovation. The Office of Science currently funds four Bioenergy Research Centers, which support research into viable and sustainable domestic biofuel and bioproducts industries. These 4 Centers are developing viable and sustainable domestic biofuels and bioproducts derived from non-food plant biomass, such as poplar, switchgrass, and sorghum. This research will lead to lower greenhouse gas emissions, bring jobs to rural areas,