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Mr. Paul E. Bayer is one of the Program Managers for the Environmental System Sciences (ESS) program. He is also the Program Manager for the Environmental Molecular Sciences Laboratory (EMSL) user program, as well as for project management of construction and capability procurement projects for EMSL and for other construction projects of interest to BER. Both the ESS research program and the EMSL user facility are within the Earth and Environmental Systems Sciences Division (EESSD) of the Office of Biological and Environmental Research within the U.S. Department of Energy's (DOE) Office of Science (SC). As part of the ESS team of program managers, he manages a portfolio of university-led research projects and National Laboratory-led research programs aimed at improving predictive understanding of terrestrial systems and their interdependent biological, chemical, ecological, hydrological, and physical processes. He also served as a co-manager of university- and lab-based research efforts supported by several former DOE research programs from 1995-2021, including the Subsurface Biogeochemical Research (SBR) program, the Environmental Remediation Sciences Program (ERSP), and the Natural and Accelerated Bioremediation Sciences (NABIR) program. Mr. Bayer joined DOE in 1995 after serving as a Biotechnology and Environmental Scientist at Energetics in Columbia, MD, where he led technical analyses and provided program management support for federal, state and municipal clients and regulatory agencies including the DOE Offices of Energy Efficiency and Renewable Energy and Fossil Energy, the U.S. Department of the Navy, the Delaware River Basin Commission, the State of Maryland, and multiple state utility commissions. From 1987-1988, he worked at Sheladia Associates providing technical analyses of research involving enhanced oil recovery using microorganisms and the use of bacteria and fungi for coal and oil processing for the DOE Office of Fossil Energy. From 1985-1987, Mr. Bayer worked at the Howard University Medical School where he conducted experimental research, interpreted results, and published findings with colleagues on structure-function relationships and molecular cell-to-cell communication through insect cell gap junctions using various types of electron, cryo-, fluorescence, and light microscopy. Mr. Bayer received his M.S. in biology/ecology from Western Kentucky University in 1984. He is a member of the American Association for the Advancement of Science (AAAS), the American Chemical Society (ACS), the American Geophysical Union (AGU), the Geochemical Society, the American Society for Microbiology (ASM), and the Microscopy Society of America (MSA). In his spare time, Paul enjoys hiking, fishing, gardening, watching soccer, and spending time with his family.

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