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Savannah River National Laboratory, Georgia Tech Select Martha Grover for Joint Appointment

AIKEN, S.C. (Jan. 4, 2023) – Savannah River National Laboratory (SRNL) and Georgia Institute of Technology (Georgia Tech) recently selected Martha Grover, Ph.D., for a joint appointment.

Grover is a professor and the associate chair for graduate studies at Georgia Tech's School of Chemical and Biomolecular Engineering. Her research interests include modeling and control of pharmaceutical and nuclear waste crystallization; process-structure-property relationships in polymer organic electronics; and chemical evolution in the origins of life.

SRNL intends to collaborate with Grover to utilize her expertise and experience to:

- Facilitate research and development activities pertaining to in-situ analysis of process streams for DOE tank waste treatment programs, including application of instruments and calibration techniques.
- Analyze SRNL data generated during testing of in-situ instruments in non-radioactive simulants of high-level waste.
- Expand and develop relationships within Georgia Tech to facilitate further collaboration.
- Develop the next generation of outstanding engineering talent with interest to pursue research career opportunities in the national laboratory system.

"Dr. Grover's efforts contribute directly to SRNL's strategic goal of providing applied science and engineering for the Department of Energy (DOE) Office of Environmental Management's active cleanup sites and Office of Legacy Management's post-closure management sites," said SRNL Deputy Lab Director, Science and Technology, Sue Clark, Ph.D. "Dr. Grover will strengthen SRNL's core competency of accelerating remediation, minimizing waste, and reducing risk by supporting process stream characterization associated with treatment of DOE tank waste."

"I am looking forward to deepening and expanding our collaborations in nuclear waste monitoring and processing, as well as expanding our scope of joint research projects, as articulated by Georgia Tech's motto of *Progress and Service*," said Grover. Grover's work in nuclear waste monitoring has been funded by the Center for Risk Evaluation and Stakeholder Participation (CRESP) for the past decade.

In addition to her primary research, Grover focuses on creating an even more inclusive community, exploring issues relevant to women, underrepresented minorities, and international students. She co-leads the GT-Equal (Graduate Training for Equality in Underrepresented Academic Leadership) Program

and, in 2020, was named a National Science Foundation Organizational Change for Gender Equity in STEM Academic Professions (ADVANCE) Professor. Georgia Tech's ADVANCE Program builds and sustains an inter-college network of professors who are world-class researchers and role models to support the community and advancement of women and minorities in academia. Georgia Tech's School of Chemical and Biomolecular Engineering also was one of two institutions selected nationwide to be inaugural sites for the American Chemical Society's Bridge Program, which aims to increase the number of underrepresented minority students who receive doctoral degrees in chemical sciences.

The Joint Appointment Program at SRNL provides university faculty opportunities to engage in the laboratory's research and development that address the nation's challenges in energy, science, national security, and environmental stewardship. Together, SRNL staff and joint appointees help ensure America's security and prosperity through transformative science and technology solutions. Joint appointees serve as a bridge between their university, SRNL researchers and students.

Savannah River National Laboratory is a United States Department of Energy multi-program research and development center that's managed and operated by Battelle Savannah River Alliance, LLC (BSRA). SRNL puts science to work to protect the nation by providing practical, cost-effective solutions to the nation's environmental, nuclear security, nuclear materials management, and energy manufacturing challenges (https://srnl.doe.gov/).

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