senior research support specialist - 1702545

posting ID: EM1781858F

company: the research foundation of SUNY

position type: full-time

college major(s): civil engineering (CEE)

company website:
http://www.stonybrook.edu/cleanwater

work location: Long Island, NY

salary: DOE

college level(s): Graduate Student

overview

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,100-acre campus is home to 24,000 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook Medicine, Suffolk County's only academic medical center and tertiary care provider. The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL), a multidisciplinary research laboratory supporting world class scientific programs utilizing state-of-the-art facilities such as the Relativistic Heavy Ion Collider, the National Synchrotron Light Source, and the Center for Functional Nanomaterials, and the New York Blue IBM BG/L+P supercomputer, owned by Stony Brook and managed by BNL. Stony Brook is a partner in managing the Laboratory for the Department of Energy, and is the largest institutional scientific user of BNL facilities. As such many opportunities exist for collaborative research, and in some cases, joint appointments can be arranged.

roles and responsibilities

working under the strategic direction of the Research Scientist at the Center for Clean Water Technology (CCWT) at Stony Brook University, the appointed candidate will be capable of working independently, but also enjoy being part of an interdisciplinary team of scientists and staff. Outstanding written, verbal, and interpersonal communication skills are essential.

research:

perform detailed experiments of water/wastewater samples.

conduct process control sampling at pilot-scale advanced wastewater treatment systems

prepare reagents and standards for both routine and non-routine laboratory analyses and maintain accurate laboratory notes and records.

perform routine and non-routine laboratory analyses.
Data analyses

Communications:

Develop SOPs

Writing reports/manuscripts.

Supervising graduate students, giving formal presentations at or attending conferences or meetings on behalf of the Center.

Communication with government agencies, non-government organizations, and the public.

Other duties as assigned.

**Education and Qualifications**
Bachelor's of Science in Chemistry, Environmental Sciences, Engineering or related field. Two years of directly related, full time experience with advanced research and laboratory activities. Experience in sampling or working with water and wastewater treatment systems. Knowledge of drinking water treatment processes and water quality monitoring. Experience with advanced analytical techniques including knowledge and/or operating experience of gas/liquid chromatography and/or mass spectrometer. Proficient in Microsoft Office (Word, Excel, etc.).

**Preferred Skills**
Master's in Chemistry, Environmental Sciences, Engineering or related field. Experience in performing water quality analyses including dissolved oxygen, pH, alkalinity, total suspended solids, turbidity, etc. Experience establishing Standard Operating Procedures (SOP), Quality Assurance (QA), and Quality Control (QC) protocols.

**How to Apply**
https://stonybrooku.taleo.net/careersection/2/jobdetail.ftl?job=1702545&lang=en#.WbvFIN5kZo.gmail