



RECRUITMENT ONLY

Position: Staff Microbiologist
Reference #: 01596
Organizational Unit: NS- FS/OS
Appointment Type: Full-Time
Location: Charlottesville, VA and OCONUS
Date Posted:

PURPOSE: To provide Microbiologists to operate, maintain and perform sample analysis with laboratory instrumentation, tools and techniques on potential microbial or biological threat DNA samples in CONUS and/or OCONUS locations.

ESSENTIAL JOB FUNCTIONS:

- Define new methods to support expansion of laboratory capabilities and improve/solve existing method deficiencies
- Develop Standard Operating Procedures (SOPs)
- Review, evaluate, and analyze data from samples and provide database entry support
- Knowledge of emerging technologies for bio threat agent analysis
- Provide technical support involving research and development and method development efforts (including laboratory work as needed)
- Assist in the execution of test plans
- Assist in provide training on molecular biology and/or microbiology topics including sample collection/analysis/threat-agent production
- Understanding of current and emerging bioanalytical tools and techniques
- Collect potential microbial or biological threat DNA samples from materials using approved procedures designed to minimize the possibility of sample contamination
- All samples shall be properly packaged, marked and stored in preparation for extraction
- Generate DNA sequences from biological materials
- Analyze and interpret data
- Use and perform equipment/instrument maintenance and troubleshooting on instruments and equipment such as the following:
 - Next generation sequencers
 - Thermocyclers
 - Fluorescent-based detection systems
 - Robotic systems for sample preparation and extraction
- Ensure a proper chain of custody for all materials and samples is maintained

- Maintain a clean laboratory and personal workspace environment, in accordance with

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Applicants that apply for a position that requires access authorization then ORAU will test for the absence of any illegal drugs as defined in 10 CFR 707.4. ORAU will also conduct a background investigation by the Federal government as required to obtain an access authorization prior to employment, and reinvestigations will be conducted as required.

Applicants that apply for a position that are covered by the Counterintelligence Evaluation Program regulations as defined in 10 CFR 709 may be required to have a counterintelligence-scope polygraph examination.



laboratory procedures

JOB REQUIREMENTS:

- A Bachelor's degree in science (e.g., biology, biochemistry, microbiology, clinical laboratory sciences, genetics, microbial ecology, microbial genomics, molecular biology, or forensics) coupled with 5 years directly relatable experience
- 2 years of experience working in the Intelligence Community (IC) environment
- Must possess, at a minimum, intermediate computer skills and experience with Microsoft Office applications including Word, Excel, PowerPoint, Access, Project and Outlook
- Must be able to successfully pass all medical requirements for deployment, as needed
- Must be able to successfully pass a skills assessment
- Experience working in a microbiology, biology, clinical, genetics, or forensic laboratory performing analysis of biological samples, including sequencing
- Must be able to successfully pass a skills assessment.
- Currently have an active DoD Secret security clearance
- U.S. citizenship
- Eligible for both US Tourist Passport and US Official Passport

DESIRED QUALIFICATIONS:

- Deployed experience in an analytical/Operational environment

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