



Scientist (Microbiology, Molecular Biology, Biochemistry, or Material Science)

Duties:

Serves as research scientist for ERDC CERL performing all levels of experimentation from basic to applied research and demonstration projects. The expectation for the position is to assist or lead in all aspects of planning, execution, evaluation, interpretation, and dissemination of research data and results to both the military and scientific communities.

Incumbent will perform and support research including, among other topics, development and evaluation of materials and coatings to support air purification, detection, and elimination of microbial contamination. Incumbent should possess knowledge in air and surfaces sampling for microbes and volatile organic compounds using standard ASTM and ISO test methods. The ability to culture and maintain both bacteria and fungi, including the ability to work with Class II microorganisms is required. The incumbent should possess good aseptic technique and experience with general lab equipment such as autoclaves, incubators, spectrophotometers, centrifuges, etc. Furthermore, experience with gas chromatography-mass spectroscopy analysis and general molecular biology methods (PCR, gene expression, DNA sequencing, etc.) is advantageous.

General duties include, but are not limited to: developing and writing new innovative proposals for funding acquisition, developing and fostering communications within a scientific network for collaborations, performing top quality research both independently and as part of a team, functioning as a member of an internal research team in either a leading role or in a supportive role, dissemination of research results to the scientific community through platform presentations at scientific conferences and through research articles in high impact peer reviewed scientific journals, and acting as an ambassador to promote ERDC research to internal visitors and the external community. Provide input and support to ERDC research projects as needed.

Incumbent should have an educational background in microbiology, molecular biology, biochemistry, or material science.

Level/Salary Range: DB2 (Equivalent to GS 5-11).

Level placement depends on the candidate's experience, education, and other qualifications. View General Schedule (GS) ranges [here](#).

