

Associate Service Fellow – 1 position available

Salary Range: \$47,444 - \$67,919

NIOSH/National Personal Protective Technology Laboratory

About The National Personal Protective Technology Laboratory

The National Personal Protective Technology Laboratory (a division of the Centers for Disease Control and Prevention's National Institute for Occupational Safety and Health) is seeking a Scientist or Engineer for a position in the Technology Research Branch (TRB). The National Personal Protective Technology Laboratory (NPPTL) is located 13 miles south of Pittsburgh, PA at the Bruceton Research Center. The center consists of a 180-acre campus with a number of office and laboratory structures and is home to several federal organizations including the Department of Energy's National Energy Technology Laboratory and the Mine Safety and Health Administration's Pittsburgh Safety and Health Technology Center.

NPPTL is responsible for managing NIOSH's cross-sector personal protective technologies (PPT) program. The mission of the NIOSH PPT program is to prevent work-related injury, illness, and death by advancing the state of knowledge and application of PPT, including respiratory protective devices, protective clothing/ensembles, fire fighter turnout gear, gloves, etc. NPPTL conducts PPT research, develops knowledge for PPT standards, policy, and guidance, and conducts PPT evaluations, including the NIOSH respirator certification program. Additional information about NPPTL can be found here: <http://www.cdc.gov/niosh/npptl/>

TRB supports the NIOSH PPT mission by: (1) encouraging and conducting research related to innovative technologies; (2) conducting laboratory/field research to assess PPT performance, quality, reliability, and efficacy; (3) investigating emerging hazards and personal exposures to identify worker PPT needs and technology gaps; (4) conducting research on effective PPT integration; (5) recommending performance, quality, reliability, and efficacy criteria for PPT; (6) conducting PPT failure investigations and analyses, and recommending criteria to improve PPT; (7) studying and improving human/technology interfaces; (8) conducting research into the physiologic and psychological stressors and worker responses to PPT; (9) recommending PPT user guidelines, including cautions, limitations, and restrictions of use; and (10) participating on PPT standards setting committees (e.g., ISO, ASTM, ANSI, AAMI, NFPA, etc.).

Qualifications and Fellowship Program Information

Applicants are sought at the Associate Service Fellow level which requires at least a Masters degree or equivalent obtained from a recognized college or university, with related post-graduate experience. This is a full time position being offered as part of the CDC Associate Service Fellowship program under Title 42 of the U.S. Code. CDC service fellows are considered federal employees with most of the rights and benefits provided to permanent employees. The initial fellowship appointment will be for three years, with the possibility of extending the fellowship. The start date is negotiable. Non-U.S. citizens are eligible to apply. Relocation costs may be covered. The salary range for this Associate Service Fellow position is equivalent to GS-9, step 1 to GS-10, Step 10 (\$47,444 - \$67,919 per year) and will be based on education and experience. Additional information about Associate Service Fellow positions can be found here:

http://www.cdc.gov/employment/menu_fellows.html

Duties

As a technical contributor to our protective clothing and ensembles focus area the primary duties of this Associate Service Fellow position will be to: (1) Assist the principal investigator in the planning, implementation, and execution of laboratory and field-based research projects; (2) Perform instrumentation checks and assure that test equipment (e.g., GC, GC-MS, ion chromatography, HPLC, MIRAN-IR, Instron, etc.) are calibrated, maintained, and in a ready operational state for laboratory experiments; (3) Conduct test procedures (e.g., chemical permeation testing, flame tests, heat resistance, durability, air permeability, tensile strength, fabric handle, etc.) with minimal supervision in accordance with the approved project protocol; (4) Maintain safe laboratory practices in accordance with NPPTL and site policy; (5) Maintain accurate and detailed laboratory notebooks; and (6) Prepare reports and summaries of the results of research data for principal investigator and/or NPPTL senior management;

Applicants with experience in laboratory and/or field testing in one or more of the following areas are strongly encouraged to apply: chemical protective clothing, protective ensembles, firefighter turnout gear, surgical gowns/drapes, surgical/medical masks, boots, helmets, gloves, ballistic protection, athletic/sports apparel, medical textiles, and non-woven textiles. Familiarity with ASTM, NFPA, AATCC, AAMI, ISO, or EPA test methods is preferred. Formal training in industrial hygiene, analytical chemistry, textile chemistry, material science, and/or polymer science is desirable. Applicants with previous work experience in a chemical, textile, material, or physical testing laboratory are encouraged to apply.

How To Apply

Interested applicants should submit their curriculum vitae, list of references, and a cover letter describing their education and experience in testing, product development, and/or research in protective clothing and/or related areas to NPPTLRecruiting@cdc.gov. If selected, official transcripts of all graduate and undergraduate credits will be required. Applications will be considered until the position is filled. CDC/NIOSH is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply. CDC offers a smoke-free environment.

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