

**TITLE:** Viral Measurement Tools and Reference Materials (U.S. Citizens Preferred)

**Overview:** The Material Measurement Laboratory of the National Institute of Standards and Technology is seeking qualified persons (U.S. Citizens preferred) to contribute to cutting-edge research projects aimed at developing viral measurement tools and reference materials in service of expanding the NIST portfolio of microbial measurement assurance to better serve stakeholder. A successful applicant will join a dynamic, multidisciplinary team working with cutting-edge technologies in the NIST Complex Microbial Systems Group. They will contribute to a growing program supporting technology development in the areas of biosurveillance and microbiome.

**Duties:**

- Responsible for maintaining (onboarding, culturing, characterizing) a portfolio of diverse viruses (up to BSL-2) to meet varied stakeholder needs
- Perform viral and eukaryotic cell culture, plaque assays, optimization and develop of viral culture protocols
- Consult and work with stakeholders in the microbiome and pathogen detection communities
- Keep accurate and organized electronic records
- Present results of the work in the form of reports, manuscripts, oral presentations

**Required Skills, Expertise and Qualifications:**

- Ph.D. degree in Molecular Biology, Virology, Microbiology or a related field.
- A minimum of 5 years of relevant laboratory experience.
- Experience measuring cytopathic effect using plaque assays.
- Experience developing viral infectivity assays.
- Experience measuring the infectivity of non-cytopathic viruses.
- Strong oral and written communication skills.

**Employment Terms:** This opportunity is to be an associate researcher in the Biosystems and Biomaterials Division at NIST for a term of 1 years, with options to renew. Associate researchers are NOT Federal Employees, but they work as NIST researchers and with NIST's often world class instrumentation. Relocation expenses will not be provided. U.S. Citizens hired into associate positions may have the opportunity to seek longer term Federal Employment.

**Salary:** \$90,000 to \$110,000

**How to express interest:** Persons (U.S. Citizens Preferred) who meet all of the required qualifications and who would be interested in taking this position are invited to express their interest by sending an email that briefly describes their qualifications along with a CV to [644assoc@nist.gov](mailto:644assoc@nist.gov). US Citizens should note "US Citizen" and the opportunity title in the email subject line. All others should note "Non-US Citizen" and the opportunity title in the email subject line.