**Position Description**

We are seeking to hire a biologist to be stationed at the NIST Gaithersburg Campus located in Gaithersburg, Maryland, close to Washington DC. The person hired for this position will help to develop bioprocess pipelines to generate cellular starting materials for high-quality cell-based experiments and biological reference materials. The person will also develop quality control procedures to provide detailed provenance information about the cell cultures.

The position will be hired through Johns Hopkins University under NIST’s Professional Research Experience Program.

<https://apply.interfolio.com/86972>

**Required qualifications**:

* Advanced degree (MS or PhD) in biology, bioengineering, immunology, biochemistry or related field
* Experience with mammalian cell line development or cell growth optimization.
* Familiarity with culturing different cell lines (Jurkat, CHO, HEK293, VERO, Cancer, Stem, etc.).
* Demonstrated ability to use advanced instrumentation and associated software for cell-line and bioprocess characterization (i.e. flow cytometry, cellular imaging, viability, etc.).
* Experience with single-use technologies (multilayer plates, large flasks) for large-scale cell culture
* Demonstrated ability to write technical protocols, present results and generate data for reports.
* Demonstrated ability for critical thinking, innovation and problem solving.
* Ability to work independently and with a multi-disciplinary research team
* Experience using spreadsheets and statistical software packages for data analysis.

**Desired qualifications:**

* Implementation of large-scale cell culture technologies
* Minimum 3+ years of cell expansion and harvest experience.
* Familiarity with process controls to monitor culture process
* Interest in developing high-quality and robust cell culture protocols.
* Knowledge of process development for GMP manufacturing.
* Familiarity with 3D microcarrier process development workflows.
* Experience working with biotechnology industry-like teams and managing projects.
* Familiarity with stem cell and/or immune cell workflows.

**Salary:** $72K/Year

**Primary Location:** NIST, Gaithersburg MD 20899

**Period of Performance:** 2 years period, position is currently open

**Application Instructions**

Interested candidates should submit applications, including a cover letter, full curriculum vitae, and names and contact information of three professional references to Dr. John Elliott (jelliott@nist.gov)