

TITLE: Reference Material Development for Dietary Supplements (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 develop reference materials (RMs) for dietary supplements and to develop metrological approaches to determining the similarities and differences of materials of botanical origin, enabling potential new pharmaceutical and dietary supplement companies to evaluate projects. This research is in direct response to the Dietary Supplement Health and Education Act of (DSHEA) 1994 and the Food Safety Modernization Act (FSMA).

Duties

- Planning, preparing, and value assignment of RMs
- Communication with the dietary supplement user community to understand the materials that would best support commerce
- Developing targeted and non-targeted methods for the characterization of RMs
- Communication between NIST and the NIH Office of Dietary Supplements

Required Skills, Expertise, and Qualifications

- Experience with measurements using Liquid Chromatography with Mass Spectrometry, including single quadrupole mass spectrometry and high-resolution mass spectrometry
- Established trust and reputation within the dietary supplement community
- Application of ISO standards related to the production of RMs, including ISO 17034
- Ability to analyze large datasets from multiple laboratories, experience reading graphs produced by Pro-Lab software
- Understanding of the fundamentals of metrology, including the estimation of uncertainty
- Communication of results in reports, peer-reviewed publications, and presentations
- Mentoring new scientists to develop skills in chemical metrology and pharmacognosy

Employment Terms: This opportunity is to be an associate researcher in the NIST Chemical Sciences Division for a term of 1 year, with options to renew. Associate researchers are NOT Federal Employees, but they work along with 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: \$80-100K

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 646assoc@nist.gov. U.S. Citizens should note "U.S. Citizen" and the opportunity title in the email subject line. All others should note "Non-U.S. Citizen" and the opportunity title in the email subject line.