Full job description, application instructions, and contact information can be found using the following link:

http://jobs.colostate.edu/postings/70555

The Proteomics & Metabolomics Facility (PMF) seeks applications for a Research Scientist I (RS) position in Fort Collins, Colorado. The RS I will report to the PMF director, work closely with other PMF research scientists, and will serve as primary or secondary operator for several mass spectrometry systems; will perform or guide all steps in the project cycle; lead assay/method development and validation projects; present research; and participate in grant writing, educational programs, manuscript preparation.

The PMF is a core analytical mass spectrometry support facility operated under the Office of the Vice President for Research and is located on the CSU main campus in the Microbiology building. The mission of the Proteomics and Metabolomics Facility is to serve as an enabling resource for research and development programs at Colorado State University. We strive to build mass spectrometry instrument capabilities that exceed the normal resources of individual research programs, and make those technologies available as a shared resource. We also aim to provide an environment rich in expertise and educational resources, and to foster collaboration across the CSU community and beyond.

Currently, PMF operates and maintains three gas chromatography coupled quadrupole MS systems, two liquid chromatography coupled time of flight MS systems, one liquid chromatography coupled ion mobility time of flight system, two liquid chromatography coupled tandem quadrupole systems, one liquid chromatography coupled Orbitrap mass spectrometer, one matrix assisted laser desorption ionization time of flight mass spectrometer, and one inductively coupled plasma mass spectrometer. We offer services including both targeted and non-targeted analysis of proteins, small molecules, nucleotides, metals, and aim to be responsive to the needs of those collaborators we serve. PMF employs three full time PhD level, two MS level, and two BS level scientists, in addition to student employees, a stockroom manager, and a business manager. PMF scientists have contributed to more than 25 published papers since Jan 2018.

Required Job Qualifications

- Ph.D. degree in a related field such as Chemistry, Biochemistry, Biology, Microbiology, Informatics or other relevant field.
- Must have excellent oral and written communication skills and be comfortable with public speaking.
- 2 years of experience in analytical mass spectrometry including expertise in one or more of tandem quadrupole and/or high resolution Mass Spectrometry.

Preferred Job Qualifications

- The ideal candidate will have at least 4 years demonstrated laboratory experience in analytical techniques including experience with: mass spectrometry, gas and/or liquid chromatography, protein
and/or metabolite extraction, metabolomics, proteomics, compound identification, and or mass spectrometry informatics.

• Demonstrated ability to perform independent research and present results, both orally and via peer-reviewed publication.

• Demonstrated ability to interface with members of the scientific research community and to interact with customers or clients in a service environment.

• Proficiency in statistical analysis, particularly in the R statistical environment or other coding languages.

• Demonstrated ability to work in a team environment, operating independently as necessary.