Research Assistant I

Job Description

The Metabolomics Core facility at the Sanford-Burnham Medical Research Institute (SBMRI) is seeking a Research Assistant I. The SBMRI Metabolomics Core is a partner with the University of Florida in the Southeast Center for Integrated Metabolomics (SECIM), one of six national centers funded by the National Institutes of Health to spur metabolomics research.

The Research Assistant I will work under the direct supervision of the Director of the Metabolomics Core and be responsible for bioanalytical sample preparation, operation of LC/MS instruments, and data analysis and interpretation of results. The responsibilities of the position include but are not limited to:

- Sample preparation and extraction of biological fluids and tissues from animals and humans
- Precise and accurate preparation of calibration standards and quality control samples to ensure the quality of data with detailed documentation of all experimental procedures
- Accurate analysis of mass spectrometry data for the quantitation of metabolites in biological fluids and tissues from animals and humans
- Performing algebraic and statistical calculations in Excel and other programs to construct spreadsheets and plots of data
- Generation of reports that summarize data and provide interpretation of results
- Improve and troubleshoot existing assays, and develop new assays under the assistance and supervision of the Director of the Metabolomics Core
- Actively participate and collaborate in a team of scientists to make significant contributions to the core and the research programs of internal and external research investigators

Required Skills

Strongly prefer the Research Assistant I to have experience with performing experiments in a laboratory setting requiring a fundamental knowledge of the basic principles of chemistry. The required skills of the position include but are not limited to:

- Aptitude to be trained in bioanalytical chemistry methods, LC/MS quantitation, and analysis and interpretation of data
- Hands on experience in bioanalytical sample preparation and analysis is highly desired
- Prior experience with the quantitation of molecules using LC/MS is a plus
- Proficiency with Microsoft Excel, PowerPoint, and Word for data analysis and generation of reports
- Ability to work independently or as part of a team and manage multiple projects
- Excellent oral and written communication skills
- Excellent time management and organizational skills
- Highly motivated, professional interpersonal behavior, team player, quick learner, problem solver, independent thinker, high level of initiative and intellectual curiosity, and high level of attention to detail

Required Experience

Requires a bachelors degree in a biological science, chemistry, physics or a related field, or an equivalent combination of education, training and experience from which comparable knowledge, skills and abilities have been attained.

Strongly prefer candidates to have a minimum of 1 (up to 3 years) year of experience with analytical chemistry. Previous experience with bioanalytical method development, operation of LC/MS instrumentation, and the analysis and interpretation of LCMS data using a variety of software packages is preferred but not required.
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**Job Location**
Orlando, Florida, United States

**Position Type**
Full-Time/Regular