Postdoctoral Associate - Allen USDA Lab

Description
The Allen USDA lab at the Donald Danforth Plant Science Center, an independent non-profit plant science research institution located in St. Louis, Missouri, in collaboration with others is jointly recruiting enthusiastic post-doctoral scientists. This scientist will work as part of a team on NSF and NIH sponsored research projects to investigate cellular metabolism with isotopic labeling and quantitative analysis of fluxes and develop related metabolomics tools. Biochemists and/or mass spectrometrists are sought. The position is available and the incumbent will be expected to start within several months.

Skills:

- Plan and conduct experiments towards research projects that assess central carbon, lipid, protein and carbohydrate metabolism
- Develop methods with isotopes to probe metabolism and/or develop mass spectrometry approaches to assess isotope labeling
- Maintain precise records of research findings and the analysis of results
- Write reports as required, communicate findings, and prepare manuscripts for publication
- Mentor others and work collaboratively in the lab to learn and aid in other projects
- Work collaboratively as part of a team, and mentor graduate and/or undergraduate students as appropriate
- Present research at professional meetings

Qualifications

- Background in biochemistry and/or mass spectrometry
- Strong work ethic, high degree of motivation, and an ability to work independently
- Quantitative thinking and an interest in metabolism and biochemistry
- Possess strong written and oral communication skills
- PhD in biochemistry, plant biology, agricultural, bio or chemical engineering, analytical chemistry or closely aligned fields

The Danforth Center offers competitive pay and a generous benefits package.

About the Donald Danforth Plant Science Center:

Founded in 1998, The Donald Danforth Plant Science Center is an independent, non-profit organization with a mission to improve the human condition through plant science. Our focus is scientific research at the nexus of food, energy and the environment to improve the productivity and sustainability of agriculture. We assemble interactive teams of scientists and develop unique platforms to discover underlying principles about how plants work. We then convert that knowledge into useful crops and products, and partner with organizations that are best positioned to solve problems where they exist around the world. The Center’s work is funded through competitive grants from many sources, including the National Institutes of Health, U.S. Department of Energy, National Science Foundation and the Bill & Melinda Gates Foundation.