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Y PLANT SCIENCE CENTER

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[Laboratory Technician - Allen Lab](#)

[Job Details](#)

[Job Location](#)

[St. Louis - Saint Louis, MO](#)

[Position Type](#)

[Full Time](#)

[Education Level](#)

[4 Year Degree](#)

[Job Shift](#)

[Day](#)

[Job Category](#)

[Research](#)

The Allen USDA Lab in cooperation with others at the Donald Danforth Plant Science Center in St. Louis, Missouri, has an immediate opening for a full-time laboratory technician. This position will focus on investigating how plant cells partition carbon energy and other resources for growth and the production of storage reserves such as protein, starch and oil. The incumbent will perform a variety of tasks dependent on qualifications including genetic crosses, biochemical assays and analyses, studies of metabolism, and greenhouse and field work. Standard tasks will include harvesting tissues, processing samples, performing extractions, measurements on laboratory instruments with help from others, and data analyses using Microsoft Excel or equivalent spreadsheets. The ideal candidate should have should be self-motivated, organized, hard-working, have good communication skills, enjoy summer work in the field and greenhouse setting, have good communication skills and be comfortable with Word, Excel, and basic data analysis. At times moving, carrying plant material and instrumentation is necessary and thus the technician should be capable of lifting 20 lbs or more as part of basic tasks. Background through classwork and experience in plant biology, molecular biology, genetics and/or biochemistry is highly desirable.

Responsibilities:

- Planting and crossing plant lines
- Harvesting plant tissues and seeds and performing extractions and biochemical assays
- Fieldwork, greenhouse, and laboratory assistance to others as needed
- Data analysis with Microsoft Excel and experiment planning/tracking in electronic lab notebook
- Other duties as assigned

Required knowledge, skills, and abilities:

- Able to organize, multitask time efficiently and work both independently and collaboratively within a multidisciplinary and interactive research environment
- Effective writing and communication skills, meticulous record keeping
- Passion for plant science research and learning new skills
- Live the Danforth Center values: Collaboration, Diversity & Inclusion, Innovation, Integrity & Respect, Environmental Sustainability, and Stewardship

Qualifications:

BS in plant biology or related field with expertise in genetics, biochemistry, or molecular biology

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- Cover letter clearly describing research interest and career goals
- CV
- Contact information for three (3) professional references

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 Centers 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.

The Donald Danforth Plant Science Center is proudly an equal employment opportunity employer. Employment decisions at the Danforth Center are based on merit, qualifications, and abilities. It is our policy that the Danforth Center does not discriminate in employment opportunities on the basis of race, color, religion, sex, sexual orientation, gender identity, age, or national origin and status as protected veterans or individuals with disabilities. As a federal contractor, the Danforth Center is required to comply with the 2021 Executive Order mandating full vaccination status of employees by December 8, 2021 unless the employee is legally entitled to an accommodation due to physical disability or sincerely held religious belief. If you need a reasonable accommodation to access the information provided on this web site, please contact Human Resources, at 314-587-1033 for further assistance.

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