

Post-doctoral Research Associate, Controlled Environment Plant Physiology

A postdoctoral position in controlled environment plant physiology is available starting March 1st or later in the laboratories of Kellie Walters and Carl Sams in The Department of Plant Sciences at the University of Tennessee. This is a full-time 12-month position renewable for up to two years with a mandatory 6-month probation period.

Duties and Responsibilities:

- Conduct independent controlled environment agriculture (CEA) research in both greenhouses and an indoor vertical farm.
- Quantify phytonutrient changes by analyzing plant tissue samples utilizing GCMS, ICPMS, and/ or HPLC.
- Analyze and report plant growth, development, and phytonutrient results along with energy-efficiency data for alternative power sources for greenhouse and Indoor farm systems.
- Author peer-reviewed publications.

The candidate will be involved in a wide range of research activities in laboratory and plant production spaces with the goal of improving controlled environment food production yield, quality, and energy efficiency. This position may require travel to outlying locations (5-10%).

Salary: Commensurate with training and experience

Benefits: Retirement, sick, annual leave, and group health, life, and accident insurance.

Qualifications:

Minimum qualifications include a PhD in Plant Sciences, Biochemistry, or related field and experience in controlled environment plant production. A strong publication record and experience with laboratory equipment for chemical analysis (e.g. GCMS or HPLC) is highly desired. The candidate must possess excellent written and oral English skills, be self-motivated, highly organized, and willing to work with a diverse group of faculty, staff, and students to conduct greenhouse, growth chamber, and laboratory research. U.S. citizenship is required.

Interested applicants should apply by emailing Dr. Carl Sams (carlsams@utk.edu), and attach the following:

1. Cover letter - include research experience, interests, and possible start date
2. Curriculum vitae
3. Three references - include names, telephone numbers, and e-mail addresses

Application review will begin February 21, 2022 and continue until the position is filled.

Contact: For additional information, please contact Dr. Carl Sams (carlsams@utk.edu) and/or Dr. Kellie Walters (waltersk@utk.edu)

All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status, or any other characteristic protected by federal or state law. In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, the University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the university. Inquiries and charges of violation of Title VI (race, color, and national origin), Title IX (sex), Section 504 (disability), the ADA (disability), the Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone 865-974-2498. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.