



The Connecticut Agricultural Experiment Station

Putting Science to Work for Society since 1875

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**June 27, 2024**

**The Department of Analytical Chemistry at The Connecticut Agricultural Experiment Station (CAES) is seeking applications for a Postdoctoral Scientist.**

Per- and polyfluoroalkyl substances (PFAS) are an emerging class of widespread environmental contaminants that have toxic effects at extremely low concentrations. Current technologies for remediating PFAS contaminated soil are limited and very expensive. This project work towards the development of an effective and inexpensive remediation method: nanomaterial enhanced phytoremediation. Our goal is to develop and test novel nanomaterials that will enhance plant accumulation and translocation of PFAS from soil. The CAES portion of the project will focus on determining the effects of the novel nanomaterials on plant uptake of PFAS and leaching of PFAS from contaminated soils.

We are seeking a recent Ph.D. with training in environmental chemistry, analytical chemistry, or a closely related field. Preference will be given to candidates with experience in the following areas:

- LC-MS analysis, sample preparation for analysis of organic chemical contaminants
- Growing plants hydroponically and/or in a greenhouse setting
- Soil leaching studies
- Confocal microscopy
- ICP-OES/ICP-MS analysis, sample preparation by acid digestions

The candidate should demonstrate enthusiasm for the project, a willingness to learn, a commitment to work cooperatively, and must be able to work independently and as part of a team. Strong written and verbal communication skills are required. A significant record of productivity as demonstrated through refereed publications is preferred. The project will be conducted in collaboration with Yale University and the University of Minnesota and is currently funded for 1.5 years. The starting salary is \$55,592/yr. with competitive medical and dental benefits. The ideal start date is prior to September 1, 2024.

Interested candidates should submit the following documents electronically:

A letter of application describing your interest in the position, research interests and career goals, and a brief overview explaining how your research experience will help you succeed with the position duties.

- 1) A Curriculum Vitae
- 2) The names and contact information (including email addresses) for three professional references.

*Protecting Agriculture, Public Health, and the Environment*  
***An Affirmative Action/Equal Opportunity Employer***

Please send the above materials to **Jason C. White, Ph.D., Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06504, tel. 203-974-8440, fax. 203-974- 8502, [Jason.White@ct.gov](mailto:Jason.White@ct.gov)**. Review of applicants will continue until a suitable applicant is found. Candidates can also contact Nubia Zuverza-Mena or Sara Nason at [nubia.zuverza@ct.gov](mailto:nubia.zuverza@ct.gov) or [sara.nason@ct.gov](mailto:sara.nason@ct.gov) with any questions about the position.

The Connecticut Agricultural Experiment Station is the nation's first state Agricultural Experiment Station, founded in 1875. The main campus is located in New Haven, Connecticut. The CAES also encompasses a 75-acre research farm in Hamden, a satellite research facility and farm in East Windsor, and a research farm in Griswold. The CAES is a state-supported scientific research institution dedicated to improving the food, health, environment, and well-being of Connecticut residents.

Equal employment opportunity means employment of people without consideration of age, ancestry, color, criminal record (in state employment and licensing), gender identity or expression, genetic information, intellectual disability, learning disability, marital status, mental disability (past or present), national origin, physical disability (including blindness), race, religious creed, retaliation for previously opposed discrimination or coercion, sex (pregnancy or sexual harassment), sexual orientation, veteran status, and workplace hazards to reproductive systems unless the provisions of sec. 46a-80(b) or 46a-81(b) of the Connecticut General Statutes are controlling or there are bona fide occupational qualifications excluding persons in one of the above protected classes. To file a complaint of discrimination, contact Jason White, Ph.D., Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06511, (203) 974-8440 (voice), or [Jason.White@ct.gov](mailto:Jason.White@ct.gov) (e-mail). CAES is an affirmative action/equal opportunity provider and employer. Persons with disabilities who require alternate means of communication of program information should contact the Chief of Services, Michael Last at (203) 974-8442 (voice), (203) 974-8502 (FAX), or [Michael.Last@ct.gov](mailto:Michael.Last@ct.gov) (e-mail).