



The Connecticut Agricultural Experiment Station

Putting Science to Work for Society since 1875

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Post-Doctoral Scientist: Minimizing Toxic Metal Uptake by Plants

A Post-Doctoral Scientist position is available at the Connecticut Agricultural Experiment Station in New Haven, Connecticut. The position is being funded through a USDA National Institute of Food and Agriculture (NIFA) Agriculture and Food Research Initiative (AFRI) grant focused on the use iron-based nanoscale soil amendments to decrease arsenic and lead accumulation by lettuce, radish, tomato, soybean, corn, and wheat. This project is part of a larger program focused on addressing the USDA-FDA Closer to Zero Initiative for minimizing toxic metals in foods. The candidate will conduct greenhouse and field trials that will investigate the use custom synthesized iron-based nanomaterials that will be added to soil. Familiarity with plant growth under greenhouse and field conditions; extraction/digestion procedures; analytical instrumentation such as ICP-MS, GC-MS/LC-MS; electron microscopy; and molecular techniques is needed. Work will be coordinated closely with collaborators at Columbia University and the University of California Santa Barbara. The duration of the position is for 2 years, starting as early as 5/1/2024. The starting salary is \$55,592/yr. with medical and dental benefits. Interested candidates should submit the following by 2/15/2024: resume/c.v., cover letter summarizing qualifications, graduate transcripts, and the names, address, telephone number, and email addresses of at least 2 references. Applications can be sent to: **Jason C. White, Ph.D., Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06511, tel. 203-974-8440, fax. 203-974-8502, Jason.White@ct.gov.**

About Us: Founded in 1875, the Connecticut Agricultural Experiment Station (CAES) is a state-supported institution dedicated to basic and applied research that supports plant, environmental, and human health in Connecticut. Over eighty full-time researchers work at the main campus in New Haven, a 75-acre research farm in nearby Hamden, and at two satellite farms and laboratory facilities. CAES fosters a highly collaborative and collegial research environment and maintains close ties to nearby academic institutions, including Yale University and the University of Connecticut.

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 Dr. Jason White, Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06511, (203) 974-8440 (voice), or 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 (e-mail).

Protecting Agriculture, Public Health, and the Environment
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