



POSTDOCTORAL FELLOW IN THE DEPARTMENT OF FOOD SCIENCE AT PENN STATE

A postdoctoral fellowship position in analytical chemistry is currently available in the Food Science Department at the Pennsylvania State University in University Park, Pennsylvania.

The postdoctoral fellow will work, in part, on a project that focuses on the assessment of free radicals in tobacco smoke. This individual will work with a group of scientists on Penn State's University Park (PA) campus, as well as at the Tobacco Center for Regulatory Science (TCORS) at the Penn State College of Medicine campus in Hershey (PA). The Penn State TCORS is conducting collaborative and interdisciplinary research, including clinical and laboratory studies, to evaluate harm associated with tobacco smoking and in particular "modified risk tobacco products", or tobacco products that potentially reduce the risk of disease or exposure to tobacco toxicants. The postdoctoral appointment will also involve developing new instrumental methods for monitoring food quality during various processing operations and storage conditions.

The position requires decision making in the areas of chemistry, chemical analysis, laboratory capabilities, methodology, equipment maintenance, data quality, and work flow. Duties include method development and validation, implementation and troubleshooting of existing methods. Experience with instrumentation/equipment and software, such as gas chromatography/mass spectroscopy (GC/MS) and high performance liquid chromatography/mass spectroscopy (HPLC/MS) is required. Previous experience with electron paramagnetic resonance (EPR) spectroscopy is also desirable but not required. Candidates should be well organized, experienced in working in a multidisciplinary team, and have good writing skills.

A Ph.D. degree in food science, chemistry, biochemistry or a related field is required. The position will initially be available for 1 year with renewal based on satisfactory performance.

The successful applicant will be housed in the Rodney A. Erickson Food Science Building on Penn State's University Park campus, and will be part of a Department with modern research laboratories as well as pilot plants for small-scale production of various products. The department boasts a strong interdisciplinary collaborative environment among faculty, postdoctoral fellows, and graduate students and also enjoys close ties with faculty in the Penn State Huck Institute of Life Sciences, Department of Nutrition, Department of Veterinary and Biomedical Research, and the Milton S. Hershey Medical Center.

How to Apply:

Interested applicants should submit a CV, names of three professional references and a cover letter describing your research interests and career goals. Please contact Dr. Ryan Elias (elias@psu.edu) for further information. Review of applications will begin immediately and continue until the position is filled.