Post-doc Research Associate

MSU DOE Plant Research Laboratory
Michigan State University
East Lansing MI USA

Project title: Unfolded protein response in the model plant Arabidopsis thaliana

One NIH-funded position for a post-doc research associate is available immediately to join a productive team of investigators in the laboratory of Dr. Federica Brandizzi at the Plant Research Laboratory, Michigan State University.

(https://prl.natsci.msu.edu/people/faculty/federica-brandizzi/)

Research will focus on the biology of the endoplasmic reticulum (ER), using multidisciplinary approaches, including proteomics, biochemistry, cellular and molecular biology, genomics and advanced live-cell imaging. We are interested in identifying and characterizing proteins necessary for the functional homeostasis of the ER. We are particularly interested in the unfolded protein response (UPR), a conserved signaling pathway that is activated when misfolded proteins accumulate in the ER. The post-doc research associate will participate multiple research projects on the plant UPR using the model plant species Arabidopsis thaliana. The post-doc research associate will be responsible for designing and performing experiments, analyzing data, helping with manuscript and grant preparation, overseeing and training other lab personnel.

Candidates for the position should have a Ph.D., a record of publication in peer-reviewed journals and a strong background in cellular and molecular biology. Experience in Arabidopsis genomics is essential. Experience with the plant secretory pathway and stress responses is desirable.

Specialties: Cell Biology - Molecular Biology/Gene Regulation
Other Specialties: Biochemistry, Genetics, Proteomics

Application Instructions: Please submit a brief description of research experience, curriculum vitae, and the names and contact information of three references to: Dr Federica Brandizzi (E-mail: fb@msu.edu). Posting Reference #675379: Research Associate-Fixed Term