

# MICHIGAN STATE UNIVERSITY

## 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.

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

<https://pubmed.ncbi.nlm.nih.gov/?term=brandizzi+f&sort=date>



### MSU-DOE Plant Research Lab

Plant Biology  
Laboratories  
612 Wilson Road  
Room 106  
East Lansing, MI  
48824

phone: 517-355-2270  
fax: 517-353-9168

<http://www.prl.msu.edu>

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](mailto:fb@msu.edu)). **Posting Reference #675379: Research Associate-Fixed Term**