Integrated Training Postdoctoral Positions in Plant or Cyanobacterial Light Signaling and Molecular Genetics

Postdoctoral positions are available immediately in the laboratory of Beronda Montgomery at the Department of Energy Plant Research Laboratory at Michigan State University (https://prl.natsci.msu.edu/people/faculty/beronda-montgomery/). Responses to light are among the most important adaptations for photosynthetic organisms. The Montgomery lab is interested in the mechanisms photosynthetic organisms possess to finely tune their growth and developmental responses to changes in their ambient environment. Successful applicants will work as a part of a team on projects aimed at either (1) developing new mechanistic insights into cell- and tissue-specific light responses in Arabidopsis or (2) investigating adaptations to light color and intensity in cyanobacteria. The postdoctoral scientists will use genetic, biochemical and cell biological approaches to study light signaling pathways in plants or cyanobacteria. These positions are part of a new integrated postdoctoral training approach (IPTA) in the Montgomery Lab. IPTA positions included cutting edge research training partnered with an individual career development plan and targeted activities to provide comprehensive preparation of the researchers for future career positions. Education and Experience Requirements: PhD in plant biology, microbiology, biochemistry, molecular biology, or a related field. Prior experience with genetic engineering, gene functional analysis and/or biochemistry in the model organism of preference is strongly preferred. The initial grant-funded position will be for a period of 1 year, with the possibility of renewal. Qualified and interested applicants should submit a CV, a cover letter detailing the applicant’s research interests and career development goals, a sample of a recently published paper, and contact information for three references to Beronda Montgomery (montg133@msu.edu).