Postdoctoral Position in Stacey Laboratory, Univ. of Missouri

Description:
A postdoctoral position is available for a NIH-funded project to explore the function and mechanism of purinergic signaling in plants (see Choi et al., 2014. Science 343: 290; Tanaka et al., 2014. Front. Plant Sci. 5:446). Purinergic signaling, although not extensively studied in plants, affects a wide range of plant processes, including those associated with the plant response to abiotic and biotic stress. The project will involve further studies of the role of DORN1 in reception of extracellular ATP and downstream signaling, as well as characterization of various Arabidopsis mutants defective in purinergic signaling. The work involves a variety of functional genomic and biochemical methods to elucidate the molecular mechanisms involved in plant purinergic signaling. Experience with modern molecular and biochemical methods (e.g., those involved in protein isolation, protein characterization and protein complex formation are essential).

The successful candidate will join a team of other postdoctoral associates, graduate students and undergraduates exploring plant purinergic signaling in the laboratory. Prior experience in advanced methods in biochemistry is essential for the project and those without this experience are not encouraged to apply. Prior experience in any of the following areas: protein biochemistry, proteomics, protein-protein interactions, protein covalent modification, site-directed mutagenesis, protein expression, mass spectrometry and bioinformatics is highly desirable. Applicants should possess a Ph.D. degree in Biochemistry, Biology or Molecular Biology and have a strong interest in plant cellular signaling. Excellent oral and written communication skills and the ability to work well in a collaborative research environment are essential. The successful candidate is expected to have demonstrated an impressive record of achievement and excellence.

Competitive salary (beginning at $47,500), fringe benefits including health insurance, retirement, and travel support to meetings are available for this position. Funding for this project is renewable for a period of four years based on performance.

Application Instructions: Please email a cover letter outlining your suitability for the position, list of references with contact information and recent CV to Gary Stacey at staceyg@missouri.edu.

The University of Missouri is an equal opportunity employer.

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