Postdoc Position – Crop Genome Editing, Purdue University

Description: Applications are invited for a position of postdoctoral scientist in molecular biology and genome editing in the College of Agriculture, Purdue University. The ability to produce locus specific targeted DNA edits has become almost universally applicable to crop species with the advancement of the Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) method. This project aims to apply existing knowledge of genome editing and plant transformation to edit crop genomes for higher yields and stress tolerance. The primary goal for this position is to perform gene prioritization and make efficient CRISPR-cas9 constructs and plant transformation. The hiring is through the Department of Agronomy and the Department of Horticulture and Landscape Architecture. The term is one year and renewable for up to an additional one year given sustained funding.

Required qualifications:

- PhD in plant molecular biology (or related areas)
- Excellent command of Spanish
- Decent ability to write and speak English

Preferred qualifications:

- Native of Spanish-speaking societies
- Peer-reviewed publications
- Experience in plant tissue culture and genetic transformation
- Experience in genome-editing

Applications: Please submit a complete application including (1) letter of interest, (2) curriculum vitae, and (3) contact information of two-three references. Submit your single-PDF document to Brandon Chafin (bchafin@purdue.edu) and Dr. Rebecca Stevenson (rebeccas@purdue.edu), with an email subject line of “Postdoc - Crop Genome Editing”. Applications will be reviewed as they are received until a suitable candidate is identified. A background check is required for employment in this position. For detailed information about the position, please contact Dr. Cankui Zhang (ckzhang@purdue.edu).

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