

We are looking for a postdoctoral researcher interested in joining our [NSF funded](#) research team dissecting brassinosteroid signaling during stress in Arabidopsis. This is a highly collaborative project with [Justin Walley](#) serving as the primary postdoc advisor and [Yanhai Yin](#) as the co-mentor. We are generating comprehensive transcriptome, proteome, and phosphoproteome datasets to model gene regulatory networks governing brassinosteroid signaling. We are then functionally characterizing candidate genes revealed from these networks.

The postdoc will be responsible for performing molecular characterization of candidate genes discovered from our predictive gene regulatory network analyses. Additionally, the postdoc will also have the opportunity to perform high-throughput phenotyping of TDNA insertional mutants using our custom robotic phenotyping platform.

Preferred Qualifications:

- Ph.D. in life sciences or related discipline
- Published record of quality research in relevant fields (e.g. genetics, molecular biology, biochemistry, hormone and/or stress signaling)
- Experience with Arabidopsis or another plant model system
- Experience performing assays such as RT-qPCR, transcriptomics, proteomics, immunoprecipitation, promoter: luciferase assays in protoplasts, drought response phenotyping
- Commitment to an inclusive climate that supports diversity and enables honest and respectful exchange of ideas

<https://www.plantpath.iastate.edu/walleylab/>

<https://www.gdcb.iastate.edu/people/yanhai-yin>

https://www.nsf.gov/awardsearch/showAward?AWD_ID=1818160

This position is available immediately and will remain open until filled. This is a one-year renewable term position. ISU offers competitive postdoc salaries and benefits. Ames, Iowa is a vibrant Midwest college town and has been ranked one of the top 100 places to live in 2018.

To apply, please email a cover letter highlighting your interests and experience, CV, and the contact information for three references to jwalley@iastate.edu.