

Position Announcement

POSITION: Research Associate, Position W0007478. Full time, 12 month position, renewable upon satisfactory progress and continued funding.

LOCATION: Department of Agronomy
Kansas State University
Manhattan, KS 66506-5501

JOB RESPONSIBILITIES:

The selected candidate will work with a team of scientists and postdoctoral associates from multiple institutions on research and cyberinfrastructure development associated with elucidating the relationship between plant genotypes and the resultant phenotypes (G2P) in nonconstant environments. This effort is sponsored by the iPlant Collaborative (<http://iplantcollaborative.org>), which implements cyberinfrastructure support for Grand Challenge research across the plant sciences. Research use cases in the iPlant G2P effort relate to phenology, plant stress, and photosynthesis modeling. Specifically, the selected candidate will help in the selection/specification, development, and validation of open source modeling and analysis tools in the context of these scientific use cases. The candidate is expected to lead the development of one use case he or she finds of interest, resulting in the publication of novel biological results. The candidate will work with software developers who will integrate the tool set into a complete cyberinfrastructure.

QUALIFICATIONS:

Essential: A Ph.D. in computational biology or related field, with simulation modeling experience. A documented knowledge of model parameter estimation, sensitivity analysis, and validation procedures. Experience with one or more mathematical modeling languages and/or packages.

Desirable: Experience in any one or more of the topics related to the overall project – databases, quantitative genetics, network inference, data visualization, genetic sequence analysis, plant stress, photosynthesis, or phenology.

SALARY: The annual salary will be commensurate with experience and qualifications.

HOW TO APPLY:

Applicants should send a letter of application, resume, and transcripts to
Brittany Green
Department of Agronomy
2004 Throckmorton Plant Sciences Center
Kansas State University
Manhattan, KS, 66506-5501
Email: bdgreen@ksu.edu

The applicant should also arrange for three reference letters to be sent to the same address. Please refer to position W0007478 in all communications.

AVAILABILITY: October 1, 2009

DEADLINE: Screening will begin September 14, 2009 and continue until the position is filled. For additional information contact Dr. Stephen Welch at welchsm@ksu.edu or visit the project website at <http://ipg2p.iplantcollaborative.org/>.

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