Career Center
The deadline for Career Center listings is the first of the month preceding publication (e.g., 1 March for the April issue). Charges are based on the number of characters and whether or not the listing will appear online, in CSA News magazine, or both. For complete information about advertising opportunities, including rates and deadlines, and to submit a listing, visit www.careerplacement.org. Please email jobs@sciencesocieties.org or call 608-273-8080 if you have questions. Note: These are only a few of the job opportunities available. View all positions at www.careerplacement.org.

Doctorate/Equivalent Required
Illinois—University of Illinois-Urbana-Champaign, Postdoctoral Researcher in Plant Quantitative Genetics. A postdoctoral research associate position is available in the Department of Crop Sciences at the University of Illinois at Urbana-Champaign in the Lipka laboratory. Funding is available for five years, renewable on an annual basis. Specific duties and responsibilities: The Lipka lab is seeking a postdoctoral research associate who will help write software that conducts genome-wide association studies (GWAS) and genomic selection using cutting edge multivariate statistical models. Primary responsibilities will be to develop and write production ready software, with guidance from the PI that seeks to identify and distinguish putatively pleiotropic genomic signals from those associated with single traits. The research associate will be expected to write computationally efficient code in the Java programming language, identify and resolve computational bottlenecks, and be able to determine if/when code written in Java should be migrated to a lower level programming language. In addition, the research associate should be comfortable with conducting quantitative genetics analyses using multivariate statistical approaches and presenting results within the context of maize genetics to an interdisciplinary team. Secondary responsibilities will include assisting with the upkeep of maize plants during the field season. Required Qualifications: The incumbent must have a PhD in computational biology, quantitative genetics, statistics (with an emphasis on subjects applied to computational biology and quantitative genetics), or a related field. The ideal candidate should be comfortable with programming in Java and running analyses on a high-memory cluster or similar computer. Proficiency in writing multi-threaded code is also desired. In addition, the candidate should be comfortable with the basic statistical theory underlying GWAS and genomic selection, the different statistical models that are commonly used in such analyses, and interpreting the results within a biological context. Additional desired skills include experience in programming in a variety of higher level (e.g., R and Python) and lower level (e.g., C++) languages, exemplary time management and organizational skills, and proficiency in writing and presenting research to an interdisciplinary audience. Interested applicants should send a cover letter of research interests, CV, and contact information for three references to Prof. Alexander E. Lipka (alipka@illinois.edu). The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. The U of I is an EEO Employer/Vet/Disabled www.inclusiveillinois.illinois.edu

Maryland—USDA-ARS, Research Plant Physiologist/Ecologist. The USDA, Agricultural Research Service, Beltsville Agricultural Research Center, Adaptive Cropping Systems Laboratory located in Beltsville, MD, is seeking a full time, permanent, Research Plant Physiologist/Ecologist. The salary for this position is at the GS-12/13 level, $81,548.00 - $126,062.00 per year. The mission of this unit is to apply systems theory to the solution of complex, agricultural problems and to develop computer-aided farm decision support systems and assessment tools for environmental study and analysis. Responsibilities: The incumbent in this position will work with a multidisciplinary team in the areas of understanding the mechanisms and diversity of plant responses to climate change factors, evaluating agronomic, physiological and biochemical responses of plants to elevated atmospheric carbon dioxide and/or high temperature and water stress, and to develop, test and modify models of plant response to climate, management, and genetic variables. The incumbent collaborates with other ARS, university and private sector scientists to build the multi-disciplinary team necessary for this research. The incumbent must analyze, interpret and disseminate the findings in the form of reports, presentations and publications in scientific journals. To apply: This announcement will open 09/17/2018 and will close on 09/28/2018 U.S. Citizenship is required. USDA/ARS is an equal opportunity provider and employer. To view additional details about this position and complete application instructions, go to the USAJobs Web site: https://www.usajobs.gov/ and refer to announcement number ARS-D18E-0122. Please note that the announcement number will not be accessible until 9/17/18. If you have any questions regarding the additional duties of this position please contact Dr. V. R. Reddy at vr.reddy@ars.usda.gov, (301)-504-5872 or Dr. David Fleisher at David.fleisher@ars.usda.gov, 301-504-7339.

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