

Position: Postdoctoral Researcher

Salary: \$48,000- \$50,000

Department: Horticulture and Crop Science

Location: Columbus, OH

Description:

The lab of Dr. Andrea Gschwend seeks a full-time, highly motivated Postdoctoral Researcher, specializing in genomic data. The Gschwend lab uses a comparative genomics approach to identify genes that contribute to agronomically significant phenotypes in crop species. They utilize experimental, computational, and functional methods to address genomic and evolutionary questions related to crop improvement.

The successful candidate will develop and implement bioinformatics pipelines to carry out comparative genomic analyses, evaluate genomic sequence and annotation quality, analyze and interpret data output, and organize and articulate results in both written and figure form for peer-reviewed manuscripts and grants. They will contribute to laboratory and greenhouse experiments when appropriate. Other responsibilities include mentoring graduate and undergraduate students, data management, minor lab administrative duties, and providing bioinformatics support for the lab.

Qualifications:

Required: Ph.D. in genomics, bioinformatics, molecular genetics, or a related field; proficiency in programming languages (e.g. Python, Java, Perl, etc.) and statistical programming software (e.g. R, SAS, MATLAB etc.); experience working with and analyzing large genomic data sets, such as whole genome DNA sequencing and RNAseq data, and competency in statistical genomics; excellent work ethic, initiative, time management, and self-motivation, with the ability to work independently and in collaboration with others; ability to clearly communicate methods and results to colleagues with varying expertise to achieve common research goals; strong written and oral communication skills.

Desired: Prior experience and success with genome sequencing, genome assembly, synteny alignments, gene annotation, and comparative genomic analyses; wet lab experience with technologies commonly used in molecular genetics labs, such as PCR, gel electrophoresis, cloning, etc.; an understanding of genetics and evolution methodology and theory.

Application Instructions:

Apply online at: <https://www.jobsatosu.com/postings/90543>. A complete application consists of a curriculum vitae and cover letter specifically highlighting past research experience with comparative genomic analyses and future research goals. Review of applications will begin on November 1st, 2018 and will continue until December 9th, 2018. Please contact Dr. Gschwend with questions (gschwend.2@osu.edu).



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AND ENVIRONMENTAL SCIENCES