

## Postdoctoral Research Associate in Wheat Molecular Genetics/Cereal Rust Pathology at Washington State University, Pullman WA

<http://css.wsu.edu/overview/employment/index.htm>



### **Position Summary:**

The Wheat Breeding and Genetics team at Washington State University is recruiting a motivated professional to carry out an integrated research effort focused on stripe rust resistance genetics and pathology.

**Contact:** Contact Drs. Arron Carter ([ahcarter@wsu.edu](mailto:ahcarter@wsu.edu)), Mike Pumphrey ([m.pumphrey@wsu.edu](mailto:m.pumphrey@wsu.edu)), or Kim Campbell ([kgcamp@wsu.edu](mailto:kgcamp@wsu.edu)) for additional information.

**Position Details:** The Department of Crop and Soil Sciences, Washington State University, has a strong tradition in wheat improvement. The wheat breeding and genetics programs are well supported and equipped to sustain world-class wheat research efforts, including modern laboratory, greenhouse, and field facilities and equipment. The incumbent is expected to work with minimal supervision to lead wheat molecular genetics research focused on stripe rust resistance. Incumbent will develop, optimize and validate molecular markers and perform high-throughput SNP-based genotyping; conduct

stripe rust resistance phenotyping under both greenhouse and field conditions in close collaboration with USDA-ARS stripe rust pathologist Dr. Xianming Chen; analyze genetic mapping and related research results with appropriate statistical methods; and summarize results in peer-reviewed publications.

**Minimum Required Qualifications:** Ph.D. degree in Crop Science, Plant Pathology or related field and relevant professional research experience. Excellent oral and written communication skills and an ability to work in team-based collaborative environment. Demonstrated ability to conduct research in a timely, accurate and professional manner. Demonstrated ability to operate a personal computer, and essential software including word processing, spreadsheet, genetic mapping, and statistical analysis applications. Experience with cereal genetics, plant pathology, and bioinformatics is preferred.

**Anticipated Salary Range:** \$3,000-3,750/month, dependent on qualifications and work experience. Full-time, 12 month temporary position renewable based on satisfactory performance and continued availability of funds.

**Please submit a complete application** including (1) a cover letter; (2) a curriculum vitae; and (3) the names, addresses, telephone numbers, and e-mail addresses of three references. Send application both by e-mail (to [ahcarter@wsu.edu](mailto:ahcarter@wsu.edu), [m.pumphrey@wsu.edu](mailto:m.pumphrey@wsu.edu), and [kgcamp@wsu.edu](mailto:kgcamp@wsu.edu)), as well as a hard copy to:

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