

Opportunity of Ph.D. Graduate Assistantship Development of Methods and Tools for Statistical Genomics

Washington State University, Pullman, WA

Description of Research Opportunity:

This project will enhance our ability to interpret genomic data and apply the knowledge for sustainable development of food production and health management. The primary areas of research include: 1) exploit advances in high-throughput genotyping and phenotyping; 2) mapping genes controlling economically important traits; 3) predict phenotype from genotype; and 4) investigate genotype-by-environment interactions. This assistantship also offers a great opportunity for flexibility in experiencing and exploring the the full spectrum of plant breeding: from business breeders to field breeders, from molecular breeders to cyber breeders. Please visit the Statistical Genomics Laboratory's website (<http://ZZLab.net>) for more information.

Desired Qualifications:

Background related to genetics, biology or life science with interest in computation, or background related to computer science or statistics with interest in biology.

Contact:

Please contact Dr. Zhiwu Zhang for more details about this opportunity, by phone (509-335-2899), or email (Zhiwu.Zhang@wsu.edu).

Apply:

Interested persons may apply through either the Department of Crop and Soil Sciences (CSS) or the Molecular Plant Sciences (MPS) programs. Please visit CSS at <http://css.wsu.edu> or MPS at <http://mps.wsu.edu>. These websites provide details about the application requirements and links to the online application.



Assistantship Details:

Graduate assistantships are formal half-time, academic-year appointments accompanied by a summer stipend, with an annual estimated total of \$19,700. Graduate assistants are also provided tuition waivers, as well comprehensive health (medical/dental) insurance. Qualifying recruits may be nominated by the program director for **prestigious ARCS fellowship** which provides \$17,500 award in addition to the research assistantship.

