

## PhD Graduate Assistantship

### Satellite Remote Sensing Assisted (SRSA) Plant Breeding

Washington State University, Pullman, WA

#### Description of Research Opportunity:

Research assistantship is available for a Ph.D. student at Zhiwu Zhang Lab (ZZLab) for Statistical Genomics. ZZLab is dedicated to develop innovative, cutting-edge statistical methods and computing tools to advance genomic research toward the sustainability of food production and healthcare management. Over last four years, the lab published over 30 papers and received over 4000 citations. Multiple computer software packages have been released to public and used worldwide, including GAPIT, FarmCPU BLINK and iPat. This specific opportunity focuses on the usage of satellite images and genomic data to assist plant breeding and farmers to select varieties with biotic and abiotic stress resistances. More relevant researches can be found at <http://ZZLab.net>

#### Desired Qualifications:

Candidates should have a B.S. or M.S. degrees in plant science, biology, mathematics, statistics, computer sciences, or related fields. Analytical knowledge and programming skills in one of C/C++/Java/Python/Perl, or R, are plus. Team work with other lab members is required.

#### Contact:

Please contact Dr. Zhiwu Zhang by either e-mail ([Zhiwu.Zhang@WSU.edu](mailto:Zhiwu.Zhang@WSU.edu)) or phone (509-335-2899).

#### Apply:

Interested persons should apply through the Department of Crop and Soil Sciences (CSS) or the Molecular Plant Sciences (MPS) programs at Washington State University. Please visit CSS at <http://css.wsu.edu> or MPS at <http://mps.wsu.edu> for details about the application requirements and link to the online application. The priority application deadline for Fall 2018 term is January 10, 2018, while Spring 2018 applications should be submitted ASAP for consideration.

**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, and are eligible for additional support through scholarships, fellowships and travel grant awards..

Qualifying recruits may be nominated by the program director for **prestigious ARCS fellowship** which provides \$17,500 award in addition to the research assistantship.

