**Postdoctoral Research Scientist Position**

Dr. Yu’s lab in USDA-ARS is seeking a highly motivated and creative post-doctoral research associate with expertise in quantitative genetics and computational biology to work on a NIFA-funded project on enhancing resistance to biotic and abiotic stresses in forage crops. The successful candidate will conduct computational biology to address complex scientific questions using next generation sequencing technologies by applying a combination of computational and biological expertise. The candidate should be able to design experiments that address specific problem and then apply computational methods to address the problems related to functional genomics or quantitative genetics in complex polyploid plant genomes. The candidate should demonstrate ability to apply mathematical modeling to biological data and current bioinformatics to next generation sequencing.

**Minimum requirements:**

•Doctoral degree in computational biology, biostatistics, quantitative genetics or related field

•Demonstrated ability to construct bioinformatics pipelines for next generation sequence data analysis

•Demonstrated strong understanding of statistics and quantitative data analysis

•Excellent written skills, be able to develop manuscripts and technical reports.

**Preferred requirements:**

•Work experience with UNIX, R-statistics

•Hands on skill on Perl programing or other languages.

Interested, please send detailed CV and references to Dr. Long-Xi Yu by email at [Longxi.yu@ars.usda.gov](mailto:Longxi.yu@ars.usda.gov) or [long-xi.yu@wsu.edu](mailto:long-xi.yu@wsu.edu).