Ph.D. Graduate Assistantship, Precision Genome Editing of Cereals
University of Florida
Date Posted: 12/07/16
Gainesville, FL, USA
Specialty Area: Crop Biotechnology, Homologous Recombination, Gene Editing
Application Instructions: Please send a resume, GRE scores and a letter of application describing interests, qualifications and career goals and the contact information (addresses, e-mail and phone numbers) of at least three references by email to: Dr. F. Altpeter, Agronomy, University of Florida, e-mail: altpeter@ufl.edu.

Dr. Altpeter’s research program uses genetic transformation and genome editing to empower a genome to systems-level understanding of cereals and grasses that leads to crop improvement. Please visit http://agronomy.ifas.ufl.edu/faculty/fredy-altpeter/ for more information on this research program.

Job Type: Graduate Assistantship. The annual stipend will be competitive and includes tuition and fringe benefits.

Full Description:
A Ph.D. research assistantship is available for fall 2017 to study molecular components of homology directed repair in cereals following CRIPSR-Cas9 mediated cleavage of target genes with the goal to enhance precision genome editing frequencies for crop improvement. This assistantship offers an ideal opportunity to advance one of the most transformative technologies in molecular genetics of crops and grasp a wide range of techniques used in the analysis of complex biological systems.

Review of applications will start immediately and continue until a suitable candidate is identified.

Qualifications: Demonstrated experience in standard molecular biology techniques and plant transformation and the ability to perform research at an advanced level are essential. The preferred candidate has a Master’s degree in Molecular Biology, Plant Breeding, Microbiology or related field. Superior communication skills are essential. Experience in a cereal system is desirable but not required.

Location: Gainesville, the home town of the University of Florida, is located half way between the Atlantic Ocean and the Gulf of Mexico with a population of 150 000 (69 000 students) and has frequently achieved top ratings in quality of life and affordability. More information on the University of Florida is available at http://www.ufl.edu

Selected publications related to this position: