Organization: University of Florida, Agronomy Department, Plant Molecular and Cellular Biology Program
Location: Gainesville, FL 32611
United States
Organization Type: Academia
Description: The Plant Molecular Physiology lab at University of Florida, headed by Fredy Altpeter (http://agronomy.ifas.ufl.edu/faculty/fredy-alt peter/) is seeking a highly motivated postdoctoral research scholar with experience in plant genetic engineering and molecular biology to join our team. The research program focuses on genome editing and metabolic engineering of cereals, sugarcane and energy cane to improve crop performance and quality. This effort is part of the newly funded DOE Bioenergy Science Center https://cabbi.bio/. The successful candidate will apply existing CRISPR-Cas9 systems to validate targets for crop improvement, develop multiplex genome editing strategies and transgenic approaches for metabolic engineering, and characterize genetically modified events under controlled environment and field conditions similar in scope to our recent publications: http://link.springer.com/article/10.1007/s11103-016-0499-; http://onlinelibrary.wiley.com/doi/10.1111/pbi.12411/epdf; http://onlinelibrary.wiley.com/doi/10.1111/pbi.12833/full

Experience: Extensive background in plant genetic engineering is essential, including design and construction of complex vectors, plant tissue culture, gene transfer, molecular characterization of transgenic plants. Knowledge in plant metabolism, physiology and genomic regulation is desirable. This work requires excellent interpersonal and communication skills in English as well as excellent writing skills as demonstrated by a strong publication record in peer reviewed journals. Recent graduates are encouraged to apply.

How to apply: Please email your resume, cover Letter, US visa history and contact information of 3 references to the PI at altpeter@ufl.edu.

University of Florida is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

Date needed: 4/1/2018

Initial deadline for application: 01/31/2018 and may be extended until a suitable candidate is identified.

Selected publications related to this position: