Wanted-- Creative, Edgy Postdoc for a High-Risk, High-Reward Project

IDENTIFICATION OF NEW PLANT VULNERABILITIES USING MOLECULAR RANDOMNESS-
HORTICULTURAL SCIENCES DEPARTMENT, UNIVERSITY OF FLORIDA

If you enjoy killing plants and want a project to position you well for a career at the interface of innovation and application, have we got a position for you!

Farming requires control of weeds, and development of new herbicides has been stagnant at best. Solutions are desperately needed. New chemistries must be safe for pollinators, humans and other animals and break down rapidly and safely in the environment.

Our laboratory has identified a new method to unveil potential molecular/biochemical targets for the development of new herbicides. We have identified candidate compounds that could have a great impact on the next-generation, environmentally-sustainable weed control.

We have obtained funding for a postdoctoral scientist to explore and characterize a set of existing candidates, so you start on Day 1. We also have significant numbers of seeds to screen to identify additional candidates. The goal will be to identify more plant-disruptive peptides, work with chemists to develop delivery methods and mimetics, check the range of species affected, and perform evaluations of mechanism.

The ideal candidate will have a strong background in plant physiology, molecular biology, cloning, gene expression, and protein techniques. Familiarity with Arabidopsis is a real plus, particularly if you have evaluated many seedlings or other plant morphology.

PLUSES-- Innovative project. You'll publish fast and discovery happens daily! The methods and current team are well established, so you'll be integrating into an impressive pipeline. University of Florida is a great place to spend some time during your career.

NEGATIVES-- One year of guaranteed funding, but we can renew if results are significant.

We have to fill this position fast, so interviews will begin immediately upon receipt of applications.

Send a current CV and list of publications to Kevin M. Folta at kfolta@ufl.edu