PhD and Postdoctoral opportunities in Plant Physiology with a Nanobiotechnology approach
Juan Pablo Giraldo Lab - University of California, Riverside

Opportunities for graduate study or a postdoc in Plant Physiology with a Nanobiotechnology approach with Juan Pablo Giraldo, Assistant Professor of Plant Physiology in the Department of Botany and Plant Sciences at the University of California, Riverside.

http://faculty.ucr.edu/~juanpg/index.html

We are looking for creative and highly motivated PhD students or Postdocs to join the lab. Ideal applicants should have a background in plant biology, chemistry and/or chemical engineering. Interested candidates for graduate studies should apply for admission through the UCR graduate Division. Prospective postdoctoral researchers should contact Juan Pablo and provide an updated CV, statement of intent, and contact information for three references.

http://plantbiology.ucr.edu/graduate_programs/how_to_apply.html

The Giraldo lab is working towards building the foundations for the emergent field at the interface of plant biology and nanotechnology known as Plant Nanobiotechnology. I encourage applications of students interested in learning about plant physiology using nanomaterials. We are also seeking to enable plants with novel or augmented functions using nanomaterials at scales ranging from plant organelles to whole organisms. Research projects in the lab will initially focus on: (1) understanding the mechanisms of enhancement of plant photosynthesis with nanomaterials; (2) developing selective, sensitive, and biocompatible nanosensors for imaging plant compounds in real-time; (3) targeted delivery and controlled release of biomolecules by nanoparticles in plants.

Students will be supported from a combination of research and teaching assistantships, but also required to apply for University and outside fellowships. Postdoctoral researchers will be supported by the lab and encouraged to seek funding sources from the federal government or elsewhere.