Postdoctoral Research Associate, Plant Systems Biology and Synthetic Biology
Oak Ridge National Laboratory, Oak Ridge, TN, USA

Purpose: The Plant Systems Biology group within the Biosciences Division at Oak Ridge National Laboratory (ORNL) seeks one postdoctoral researcher with experience in plant synthetic biology, genome editing, molecular biology, molecular genetics, and biochemistry. The position will be available starting May 1, 2016 and remain open until a suitable candidate is found.


Qualifications Required: A Ph.D. in plant synthetic biology, biotechnology, molecular biology, genetics, biochemistry, or related fields is required. Prior knowledge and demonstrated expertise in one or more of the following areas are required: 1) Genome editing and plant transformation. 2) Construction of multi-gene genetic circuits. 3) Plant pathway engineering. 4) Bioinformatics and computational biology, specifically pathway annotation, computational design and modeling of genetic circuits, co-expression and regulatory network analyses with coding skills (e.g., R, perl, python, matlab).

The selected candidate will work extensively with Populus synthetic biology using model systems (Arabidopsis, tobacco, Brachypodium and rice) to inform synthetic biology approach in Populus. Therefore, prior experience working with genome editing and synthetic biology is preferred. Proven publication record is required. Excellent oral and written communication skills and ability to work in a team are required.

Application cannot have received the PhD degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

This position is a full-time assignment for 24 months, contingent on successful performance and continued funding.

How to apply
https://recruiting.ornl.gov/sap/bc/webdynpro/sap/hrref_a_posting_apply?PARAM=cG9zdF9pbnN0X2d1aWQ9MDA1MDU2QjQzOTc3MUVENjg0OTTRGQzQ0M0QxNzk0NDQmY2ZiZ0FUeXBIPUVYVA%3d%3d&sap-client=010&sap-language=EN#