

# **Postdoctoral and Post-Master's Research Associates in Plant Synthetic Biology**

**Biosciences Division  
Oak Ridge National Laboratory  
Oak Ridge, TN**

## **Project Description:**

Multiple (postdoctoral and post-master's) positions in Plant Synthetic Biology are available in the Plant Systems Biology group within the Biosciences Division, Oak Ridge National Laboratory (ORNL). The selected candidates will join a large team of investigators to work on genetic improvement of bioenergy plants using a synthetic biology approach as applied to CAM photosynthesis. The project is funded by the U.S. Department of Energy.

## **Required disciplines/background:**

For the Postdoctoral position, successful candidate should have working knowledge in one or more of the following areas: 1) Genome engineering (e.g., site-specific gene stacking, targeted genome editing, artificial chromosome, etc.), 2) molecular biology, 3) biochemistry, and 4) molecular genetics.

For the Post-Master's position, successful candidate should have working knowledge in one or more of the following areas: 1) genetic transformation of plants (e.g., *Populus*, *Arabidopsis*, etc.), 2) molecular cloning, 3) plant cell and tissue culture, and 4) plant physiology.

## **Qualifications:**

These two positions welcome individuals with very strong experimental skills. The Postdoctoral applicants are expected to have a Ph.D. degree in genetics, molecular biology, biochemistry, or related fields. The Post-Master's applicants are expected to have a master's degree or equivalent in plant science, molecular biology, or related fields. Preference will be given to candidates with a relevant publication record and experience. Excellent oral and written communication skills and ability to work in a team are required.

## **Technical Questions:**

Questions regarding the position can be directed to Xiaohan Yang at [yangx@ornl.gov](mailto:yangx@ornl.gov).

## **How to Apply:**

Qualified applicants must apply online at <http://www.ornl.gov/ornl/postdocs/ornl-pd-pm/default.aspx>.

For postdoc (ORAU Posting Number: ORNL12-83-BSD):

<http://www.ornl.gov/ornl/postdocs/ornl-pd-pm/description.aspx?JobId=12444>

For postmaster (ORAU Posting Number: ORNL12-82-BSD):

<http://www.ornl.gov/ornl/postdocs/ornl-pd-pm/description.aspx?JobId=12443>

All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/ornl/postdocs/ornl-pd-pm/application.htm>.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The program is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.