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Visiting Scientist Louisiana State University

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Job Title: Visiting Scientist
Department: Agricultural Center -- Biotechnology Laboratory
Institution: Louisiana State University
Baton Rouge, Louisiana

Date Posted: Nov. 2, 2009

Application Deadline: Open Until Filled
Position Start Date: Available Immediately

Job Categories: Visiting Professor
Research Scientist/Associate

Academic Field(s): Chemistry - Biochemistry
Biology - Molecular
Biology - Cell Biology
Biology - Biochemistry
Sciences - General

Apply By E-mail: soard@agctr.lsu.edu

Job Description:

Duties and Responsibilities: The AgCenter Biotechnology Laboratory (ABL) at the LSU AgCenter, is seeking a highly motivated applicant with training and experience in the areas of Molecular Biology, Cell Biology or Biochemistry.

The successful candidate will be responsible for:

(1) designing and cloning genes; (2) transformation of bacteria and algae *Chlamydomonas* and analysis of transformants, including PCR, RT-PCR and Western blots; (3) developing and executing new procedural routines and methods for the analysis of proteins and other components in transgenic organisms; (4) general laboratory maintenance, including equipment and ordering supplies; and, (5) managing the activities of Laboratory Student Workers.

Knowledge of plant transformation is desirable.

The successful candidate will be expected to perform experiments carefully, with minimal supervision; keep accurate lab records; and, organize and clean the lab area.

Good written and communication skills and the ability to work productively in a team-based research environment are required.



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• Use in-depth knowledge of Molecular Biology for developing gene expression strategies in Chlamydomonas and bacteria.

• Use established transformation protocols, to produce stable transformants of Chlamydomonas and express genes of interest.

• Use in-depth knowledge of Molecular Biology for developing and improving Chlamydomonas transformation protocols.

• Stay up-to-date and exchange important information about new developments, that may be used to improve the outcome of the research project.

Job Knowledge and Skills:

• Extensive knowledge of Molecular Biology methodologies

• Experience in cloning, gene design and construction

• Experience in transformation of microorganisms and, preferably, algae or plants

• Experience in protoplast isolation and culture

• Experience in performing biochemical bioassays

• Experience in media preparation, initiation of cultures and maintenance of cultures

• Demonstrated ability to troubleshoot cloning and transformation protocols and methodologies

• Ability to work independently and as part of a team

• Good interpersonal skills

• Strong analytical and reasoning abilities

• Excellent communication skills, both written and verbal

• Willingness and capacity to learn and acquire relevant new skill sets

Qualification Requirements: Master's of Science degree in Molecular Biology, Cell Biology or a related field, with at least two years of experience in a relevant field. Candidates with Bachelor's degrees in the above fields, with suitable practical experience, will be considered.

Contact Information:

Please reference AcademicKeys.com in your cover letter when applying for or inquiring about this job announcement.

Contact: Svetlana Oard
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Contact E-mail: soard@agctr.lsu.edu