

POST DOC POSITIONS IN PLANT CELL WALL BIOSYNTHESIS

Lawrence Berkeley National Laboratory, Berkeley, California

SUMMARY

The positions will be responsible for developing new methods and using existing methods for investigating enzymes involved in biosynthesis of polysaccharides and glycoproteins in the plant cell walls and characterizing plants with mutations in the genes encoding these enzymes. Candidates for the position should have experience with biochemistry and molecular biology. Candidates should also have experience in one or more of the following areas and techniques: HPLC, characterization of complex carbohydrates, plant genetics, heterologous expression of proteins in yeast, and characterization of membrane proteins. The position involves collaboration with internal and external collaborators.

DUTIES / RESPONSIBILITIES

Essential (90%):

- Analyze biochemical function of glycosyltransferases and other cell wall biosynthetic enzymes
- Reverse genetics in Arabidopsis
- Collect and analyze data and prepare results for publication in scientific journals and presentations at seminars
- Ensure efficient collaboration and coordination with internal and external collaborators
- Maintain an accurate and detailed scientific logbook of all experiments performed. Ensure that others could duplicate results.
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- Bioimaging
- Assist with the development of grant proposals.
- Assist PI with training and managing the workflow of technical staff and students.
- Participate in group meetings and seminars.

INSTITUTIONAL DUTIES / RESPONSIBILITIES

Environment, Health and Safety: Describe duties and responsibilities associated with both classification level and specific position.

- Working in a safe manner and contributing to a safe and healthy work environment by being aware of potential hazards, taking action to correct deficiencies, and making others aware of health and safety requirements and issues.
- Perform all duties in compliance with applicable Environment, Health and Safety rules and regulations as described in LBNL Pub-3000 and other related documents.
- Participate in various formal ES&H training activities as required by specific duties and responsibilities.
- Perform work with knowledge and understanding of shop and laboratory safety practices and policies including organization, housekeeping, hazardous material and waste handling, storage and disposal, Activity Hazard Documents (AHDs), Material Safety Data Sheets (MSDSs), confined space entry, Occurrence Reporting, Quality Assurance/Conduct of Operations and applicable Function, Project and Facility Notebooks.

Workplace Environment:

Diversity: Employees at all levels of the organization are expected to work effectively within our diverse culture by promoting and supporting an environment in which all employees are valued, respected, and included.

QUALIFICATIONS

Essential:

- Ph.D in Biochemistry, Molecular Biology or related areas.
- Demonstrated ability to conduct experiments independently, maintain appropriate records and manage data.
- Strong collaborative skills and ability to work in a team environment.
- Good verbal and written communication skills
- Experience with writing submissions for scientific journals

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- Experience with characterization of complex carbohydrates
- Experience with HPLC or other chromatographic technique
- Experience with characterization or purification of membrane proteins
- Experience with Arabidopsis or other model plants
- Experience with expression of heterologous proteins in yeast

Notes

There are two positions:

Position 1:

This is a full-time, one year Term position with the possibility of renewal dependent upon funding and availability of work

Lawrence Berkeley National Laboratory is an E-Verify employer. Employment is contingent upon a successful employment eligibility authorization.

Position 2:

This is a full time position for one year with possibility of extension for 2 years. Employment will be through employment contract with University of Copenhagen. The project 'Glycobiology in yeast: production of bio-active biopolymers and small molecules' is coordinated by Dr. Naomi Geshi, KU-LIFE and involves several Danish partners in addition to LBNL.

How To Apply

Position 1:

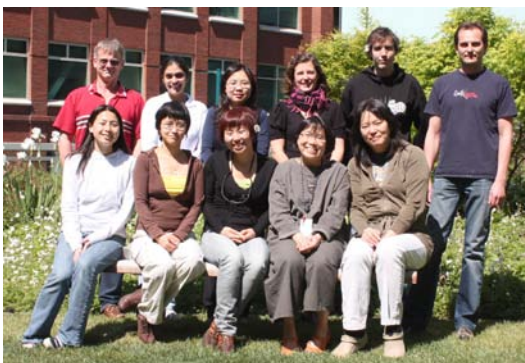
Go to <http://jobs.lbl.gov/details.asp?jid=24555&p=1> , click the "Apply Now" link, and follow the on-line instructions to complete the application process. As part of the online application process, please submit a single attachment that includes both your resume or CV and a statement of your research interests. Please be sure to reference where you found out about the position.

Berkeley Lab is an affirmative action/equal opportunity employer committed to the development of a diverse workforce.

Position 2:

Contact Henrik Vibe Scheller for more information.

For more information about the positions, contact Prof. Henrik Vibe Scheller, hscheller@lbl.gov, Tel. 510-486-7371



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