Berkeley Lab’s Environmental Genomics & Systems Biology Division (http://biosciences.lbl.gov/divisions/egsb/) has an opening for a Cell Wall Biology Group Postdoctoral Scholar. This position will be part of the Cell Wall Biology Group led by Henrik Scheller and part of the Feedstocks Division at JBEI. This role will be involved in projects relating to understanding cell wall biosynthesis.

What You Will Do:
• Identify candidate glycosyltransferases in sorghum and determine their function by reverse genetics and heterologous expression.
• Screen glycosyltransferases for ability to glycosylate specific metabolites.
• Investigate the protein-protein interactions between cell wall biosynthetic enzymes.
• Characterize plant cell walls in mutant and transgenic plants.
• Prepare manuscripts for publication and assist with the development of funding proposals and patents.
• Participate in group meetings and seminars.
• Maintain an accurate and detailed electronic scientific logbook of all experiments performed. Store all data generated in an organized and secure way. Ensure that others could duplicate results.
• Develop strategies for engineering bioenergy crops with improved polysaccharide composition or accumulation of glycosides.

Additional Responsibilities as needed:
• Responsible for periodic reports to the director of the project, training research assistants and assisting others in the lab who require guidance with plant cell wall biochemistry, microscopy and molecular biology.

What is Required:
• Recent PhD in plant biology, biochemistry, or related field within the last three years.
• Experience with plant cell walls and/or plant membrane proteins.
• Experience with characterization of heterologously expressed enzymes.
• Demonstrated ability to conduct experiments independently, maintain appropriate records and manage data.
• Strong collaborative skills and ability to work in a team environment.
• Excellent verbal and written communication skills.

Additional Desired Qualifications:
• Previous experience with characterizing protein-protein interactions.
• Previous experience with characterization of complex carbohydrates.
• Previous experience with HPLC or other chromatographic technique.
• Previous experience with characterization or purification of membrane proteins.

The posting shall remain open until the position is filled, however for full consideration, please apply by close of business on January 8, 2018.

Notes:
• This is a full time, 2 years, postdoctoral appointment with the possibility of renewal based upon satisfactory job performance, continuing availability of funds and ongoing operational needs. You must have less than 3 years paid postdoctoral experience. Salary for Postdoctoral positions depends on years of experience post-degree.
• Full-time, M-F, exempt (monthly paid) from overtime pay.
• This position is represented by a union for collective bargaining purposes.
• Salary will be predetermined based on postdoctoral step rates.
• This position may be subject to a background check. Any convictions will be evaluated to determine if they directly relate to the responsibilities and requirements of the position. Having a conviction history will not automatically disqualify an applicant from being considered for employment.
• Joint BioEnergy Institute (JBEI) — Bldg. 978, 5885 Hollis St., 4th floor, Emeryville, CA.

How To Apply
Apply directly online at http://50.73.55.13/counter.php?id=118281 and follow the on-line instructions to complete the application process.

Berkeley Lab (LBNL) addresses the world’s most urgent scientific challenges by advancing sustainable energy, protecting human health, creating new materials, and revealing the origin and fate of the universe. Founded in 1931, Berkeley Lab’s scientific expertise has been recognized with 13 Nobel prizes. The University of California manages Berkeley Lab for the U.S. Department of Energy’s Office of Science.

Equal Employment Opportunity: Berkeley Lab is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. Berkeley Lab is in compliance with the Pay Transparency Nondiscrimination Provision under 41 CFR 60-1.4. Click here to view the poster and supplement: "Equal Employment Opportunity is the Law."