

Research Assistant / Research Associate Positions Available

The **Center for Lignocellulose Structure and Formation (CLSF)** is a DOE-funded Energy Frontiers Research Center with a newly established preparative and analytical laboratory located at the University Park campus of The Pennsylvania State University. CLSF is seeking highly motivated and qualified applicants for **two research positions** to provide support for a variety of CLSF-supported research projects. Visit our website at www.lignocellulose.org.

Applicants should have an MS or PhD in biochemistry, molecular biology, cell biology or related fields and be interested in learning new methods and instrumental methods. Applicants with a B.S. and at least 3 years of research laboratory experience will also be considered. With initial training and oversight from CLSF faculty, the research assistants will be responsible for helping center faculty carry out a subset of the following activities: extract plant cell walls to isolate and characterize specific cell wall polysaccharides; analyze samples for sugar composition by HPLC and GC; analyze samples by infra-red and Raman spectroscopy; carry out measurements of polymer binding by calorimetry; characterize cell wall samples by atomic force, laser confocal and electron microscopy; grow microbial cultures for heterologous protein expression; purify proteins and analyze by SDS-PAGE, enzyme activity, and immunoblots; grow plant tissues or cell suspension cultures for cell wall extraction. These are fixed-term appointments, initially appointed for 6 months, with excellent possibility of 1-year extensions thereafter (the center has 4 more years of funding). To apply, e-mail your resume, contact information for three references, and a cover letter briefly describing your relevant laboratory experiences to Dr. Daniel Cosgrove at dcosgrove@psu.edu. Materials accepted until positions are filled.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

