

A Postdoctoral Research appointment is available within the Center for Lignocellulose Structure and Formation (<http://www.lignocellulose.org>) at The Pennsylvania State University beginning January 2nd, 2012. The successful candidate will perform research in the laboratory of Dr. Charles T. Anderson, Assistant Professor of Biology, at Penn State. The candidate's research will focus on the characterization of functional interactions between pectins and cellulose in plant cell wall biosynthesis and dynamics using molecular genetics, cell biology, and *in vivo* confocal microscopy in the *Arabidopsis thaliana* model system. The research project will be integrated into a multidisciplinary effort by the Center to improve the scientific understanding of plant cell wall molecular architecture, enabling the improved conversion of plant biomass into biofuels. Minimum requirements for the position include: 1) A PhD in plant biology, cell and molecular biology, or closely related field; 2) Expertise in several of the following techniques: molecular biology, plant genetics and transformation, protein expression and purification, microscopy, and image analysis, as demonstrated by publications in peer-reviewed journals; 3) Ability to plan, execute, interpret, summarize, and trouble-shoot independent research; 4) Ability to collaborate effectively with members of a research team and within the larger framework of the center; 5) Excellent oral and written English communication skills.

Applicants should email application materials to ctanders@berkeley.edu before November 1st, 2011. Include a cover letter that summarizes relevant experience and reasons for interest in the position, along with a CV and contact information for three references (name, position title, professional mailing address, telephone number, and email address). Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.