

**Professional Opportunity**  
**Post Doctoral Research Associate**

**Dr. Bin Yang's Lab**

**Washington State University, Richland, WA 99354**

**Job Description:**

The person we are seeking will conduct research on one or more of the following aspects: pretreatment of cellulosic biomass, enzymatic or chemical hydrolysis of the pretreated materials to release sugars and lignin for biofuels and bioproducts production. Experimental work will be conducted in our well equipped laboratories at the Bioproducts, Sciences & Engineering Laboratory, Washington State University of Tri-Cities, Richland, WA. In addition, this person will be expected to apply HPLC, IC, GCMS, NMR and other analytical equipment to characterize biomass raw materials and the various solid and liquid fractions produced. Kinetic, transport, and statistical modeling will be employed to understand the operations, and new technologies will be devised to overcome obstacles and lower costs.

**Minimal Qualifications:**

PhD in a relevant field, such as Chemical Engineering, Biochemical Engineering, Chemistry or equivalent.

**Preferred Qualifications:**

Successful candidates will have demonstrated ability to work productively and independently as part of multidisciplinary teams focused on biomass deconstruction to reactive intermediates. Candidates with excellent communication skills and strong self-motivation are preferred. Good understanding and experience with hydrotreating lignin process is highly desirable.

**Contact Information:**

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