

Job Specification

Post Date: May 11, 2018

A collaborative project between the Carrow Lab in the Department of Chemistry and the Register Lab in the Department of Chemical and Biological Engineering at Princeton University has openings for two postdoctoral researchers. You will be a part of a Princeton Catalysis Initiative-funded project at the interface of transition metal catalysis and polymer science. The broader objective of this project will be to address the global pollution problem associated with single use plastics by developing next generation materials amenable to circular plastics economies. To do so, the project will involve the discovery of new catalysts, polymerization mechanisms and methods, and (block) copolymer architectures that manifest advanced properties, such as precise degradability or compatibility.

What you will do:

- Polymer chemistry, catalysis, and organic and organometallic synthesis.
- Polymerization, polymer structure characterization, and materials property analyses
- Mentorship of junior researchers

What is required:

- Ph.D. in chemistry or chemical engineering with a strong background and interest in organometallic chemistry, catalysis, and/or polymer science.
- Demonstrated technical writing ability.
- Ability to work independently with high level of initiative.
- Excellent organizational and science communication skills.

The appointment will be for a minimum of one year with the possibility of renewal for an additional one year. Interested applicants should forward their curriculum vitae and contact information for references to Brad Carrow by email (bcarrow@princeton.edu). The appointment could, and preferably would, begin as soon as July 2018. Salary for this position aligns with NIH guidelines:

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-134.html>.

Additional information about the Princeton Catalysis Initiative, Carrow Lab, and Register Lab can be found through the following links:

<https://www.princeton.edu/news/2018/02/06/catalysis-beyond-chemistry-researchers-gather-spark-new-research-ideas>

<https://chemists.princeton.edu/carrow>

<http://www.princeton.edu/cbe/people/faculty/register/group/>

Applications will be reviewed as received and until the positions are filled.