



Postdoctoral Research & Teaching Fellowship Position

A National Science Foundation (NSF)-funded postdoctoral research & teaching fellowship position is available at the University of Kansas (KU) Center for Environmentally Beneficial Catalysis (CEBC).

The postdoctoral fellow will spend a quarter of her/his time working closely with faculty as an agent of change to redesign an undergraduate course. The remaining time will be spent performing original research and gaining new technical and communication skills.

Research and Training

The research will relate to catalysis for converting plant-based biomass into fuels and chemicals, as part of a new NSF EPSCoR Track II award. With collaborators at the University of South Carolina, the team is developing tools to rationally design and synthesize bifunctional catalysts.

The research, teaching and strong mentoring community will empower the postdoctoral fellow to compete for grant funding and eventually succeed in a tenure-track academic career. The successful candidate will have a strong interest in incorporating effective learning approaches, such as flipped classrooms and active learning. Candidates from groups underrepresented in the sciences are strongly encouraged to apply.

Required Qualifications

Candidates must have an earned doctorate in chemistry or chemical engineering by the start date. They must also be able to work well with individuals from diverse ethnic and cultural backgrounds, as well as have excellent communication skills.

Additional Preferred Qualifications

Experience in curriculum development, undergraduate teaching and research mentoring.

Start Date and Salary

The proposed start date is August 2016 (flexible). The salary is competitive and based on NSF guidelines. The postdoctoral fellow will begin with a 1-year appointment, with reappointment for two more years contingent on satisfactory progress.

Application Procedure

Initial review of applications begins January 15, 2016, and will continue until the position is filled. Please submit to Claudia Bode (bode@ku.edu) the following: (1) a letter of application; (2) a curriculum vita; (3) evidence of teaching experience; and (4) contact information for three professional references.

About the Center

At KU's **Center for Environmentally Beneficial Catalysis (CEBC)**, we know that changing how chemicals are manufactured can make a world of difference. Our mission is straightforward: invent cleaner, safer, energy-efficient technologies that protect the planet and human health.

Since 2003, CEBC has garnered more than \$44 million from federal, state and industry sources and partnered with more than 20 companies. Our industry-focused approach, uncommon in many university research programs, helps maximize the potential impact of our discoveries.

"The CEBC is an internationally recognized leader in catalytic technologies."

Tom Binder, Vice President for Research, Archer-Daniels Midland

New NSF Award

In fall 2015, CEBC received one of eight interstate grants from NSF through its Experimental Program to Stimulate Competitive Research (EPSCoR) initiative. A major goal of this award is to develop a workforce, particularly early-career faculty, who can develop and sustain flourishing academic careers. Mentoring teams for young professors and postdoctoral fellows will foster the skills needed to achieve this goal.

About KU

KU is a major public research and teaching institution of 28,000 students and 2,600 faculty on five campuses. Its diverse elements are united by their mission to educate leaders, build healthy communities, and make discoveries that change the world. A member of the prestigious Association of American Universities since 1909, KU consistently earns high rankings for its academic programs. Its faculty and students are strengthened by endowment assets of more than \$1.44 billion. For more information, please visit: www.ku.edu.

CEBC Leadership:

Bala Subramaniam,
Director

RV Chaudhari,
Deputy Director

