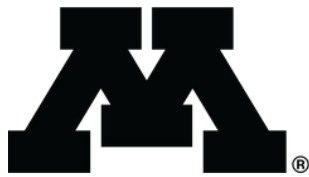


ASSISTANT/ASSOCIATE PROFESSOR BIOCHEMICAL ENGINEERING ENERGETICS



Department of
**BIOPRODUCTS AND
BIOSYSTEMS ENGINEERING**

UNIVERSITY OF MINNESOTA

The Department of Bioproducts and Biosystems Engineering and the Biotechnology Institute seeks candidates for a tenure-track, 9-month academic position at the assistant/associate professor level with 50% teaching and 50% research responsibilities to develop a collaborative, internationally recognized research program in the areas of biochemical engineering with a focus on bioprocessing and biomanufacturing.

With the increasing demand for sustainable and renewable products, bioprocessing and biomanufacturing technologies are becoming the emerging research area. The successful candidate is expected to develop a highly collaborative research program focusing on bioprocessing and biomanufacturing. Applicants must have an excellent record of accomplishment in an academic or industrial setting and possess the potential to be an internationally recognized leader in teaching and research.

Research:

The candidate is expected to develop an internationally recognized research program with a focus on the fundamental principles and applications of bioprocessing and biomanufacturing developing new methods for producing bio-based products such as fuels, materials, and value-added chemicals from renewable bio-resources. Collaborative research with various colleges, departments, and centers across the University including the Biotechnology Institute (BTI), College of Food, Agricultural and Natural Resource Sciences, College of Biological Sciences, and the College of Science and Engineering (CSE) is highly encouraged.

Teaching:

The teaching component of this position will include teaching and developing basic and applied engineering courses in BBE including Transport Processes, Mass and Energy Balances, Biological Process Engineering, Food Process Engineering (UG and GRAD) and their applications. Teaching may include lecture/lab, e-based learning, or other modes of instruction and interaction with students. A demonstrated commitment to excellence in undergraduate and/or graduate teaching and advising is essential. This position is also expected to strive for excellence in academic advising for undergraduate and graduate students as a vital component of student development.

Qualifications

Required:

- Ph.D. in chemical engineering, biochemical engineering, bio-renewable resources engineering or related disciplines with demonstrated experience/background in bioprocessing and biomanufacturing
- Evidence of potential to develop a successful independent research program
- Demonstrated commitment to teaching
- Demonstrated effective written communication skills

Preferred:

- Research or industrial experience in biofuels, bioplastics, and biopharmaceuticals from renewable bioresources and biotechnology applications
- Demonstrated and relevant publication record or industrial experience
- Experience in effective teaching including active learning and course development
- Evidence of collaborative research
- Strong communication skills
- Demonstrated commitment to diversity and inclusivity in an academic or professional setting and commitment to supporting the University's goal of creating a positive and inclusive campus climate by advancing diversity, equity, and inclusivity

About the Department of Bioproducts and Biosystems Engineering

The Department of Bioproducts and Biosystems Engineering (bbe.umn.edu) is an internationally renowned academic unit with the core mission of sustainable use of renewable agricultural and natural resources, and protection and enhancement of the environment.

About the Biotechnology Institute

The University of Minnesota's BioTechnology Institute's (BTI) (bti.umn.edu) mission is an interdisciplinary institute with participating faculty members from several disciplines. The Institute is the central University of Minnesota vehicle for coordinated research in the biological, chemical, and engineering aspects of biotechnology. BTI's mission is to advance cross-disciplinary research and innovation at the forefront of biotechnology. BTI supports biotechnology workforce development, facilitates industry interactions, and provides biomanufacturing services through its BioResource Center (BRC).

How to Apply

Applications must be submitted online at humanresources.umn.edu/content/find-job.

Search for Job ID 357069 To be considered for this position, please click the Apply button and follow the instructions. You will have the opportunity to complete an online application for the position and attach a cover letter and resume. Additional documents may be attached after the application by accessing your "My Job Applications" page and uploading documents in the "My Cover Letters and Attachments" section.

Applications should include a cover letter referencing the BBE biochemical engineering faculty position, detailed curriculum vitae, statements on teaching and research interests, and a list of three references with contact information (including email addresses).

Review of applications will begin November 1, 2023 and continue until the position is filled.

During the interview process, applicants will be asked to describe their commitment, experience, and approach to teaching and working with students, colleagues, and constituents from diverse populations.

This position will remain open until filled. To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).