

IOWA STATE UNIVERSITY

Chemical and Biological Engineering - Assistant/Associate/Full Professor

Appointment Type: Faculty

Job Description:

The Department of Chemical and Biological Engineering in the College of Engineering at Iowa State University invites applications for multiple tenure-track or tenured faculty positions with research expertise in: biomaterials; diagnostic, therapeutic and medical devices/systems; systems and synthetic biology; bioimaging; or AI-driven biotechnology. Exceptional candidates with commensurate experience and proven track record will be considered for Associate and Full Professor ranks.

Successful candidates will be expected to establish, sustain, and grow a world-class research program that complements or aligns with the department's areas through both independent and collaborative efforts. Additionally, the candidate is expected to establish a record of scholarship at the highest levels, contribute to the teaching missions at the undergraduate and graduate levels, and engage in institutional service as well as service to the profession. Candidates should have strong communication skills, share our commitment to enhancing excellence through diversity and inclusion, and exhibit the potential for long-term leadership in supporting the mission of the department, college, and university.

The Department of Chemical and Biological Engineering is committed to sustaining a collegial, positive, and productive environment for each individual and for the collective benefit of all. All faculty members are expected to exhibit and convey good citizenship within department, college, and university activities, interact collegially, and maintain the highest standards of integrity and ethical behavior.

Minimum Required Qualifications:

- Ph.D. or equivalent degree in chemical engineering, biomedical engineering or a closely aligned field
- Associate Professor candidates must meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Full Professor candidates must also meet the university standards for appointment to the rank which requires national distinction, international recognition, and a substantial scholarly record in their area of expertise in addition to the aforementioned requirements.

Preferred Qualifications:

- Evidence of collaboration and leadership in research and education
- Published research expertise in biomaterials; diagnostic, therapeutic and medical devices/systems; systems and synthetic biology; bioimaging; or AI-driven biotechnology
- Ability to teach graduate and undergraduate courses in chemical engineering and/or biomedical engineering
- Strong and effective communication skills to diverse audiences

Department/Program & College Description:

The CBE Department offers B.S., M.S., M.Eng., and Ph.D. degree programs in chemical engineering. The thirty-one collegial, supportive, and diverse CBE faculty teach and/or carry out externally funded research at more than \$9 million annually. The department demonstrates a commitment to diversity among faculty, staff, and students who can enrich University objectives in the areas of research, teaching, and service. The department is especially strong in the areas of biorenewables, advanced materials, bioengineering, and computational fluid dynamics and catalysis.

The College of Engineering supports the Dual Career Services Program, which serves as a focal point for efforts to find career options for the partners of incoming faculty. Iowa State University and the College of Engineering are invested in increasing the participation of those traditionally under-represented among engineering faculty.

Department Website:

For more information about our department's engineering program, see www.cbe.iastate.edu.

Proposed Start Date: August 6, 2022

Number of Months Employed Per Year: 09 Month Work Period

Time Type: Full time

Application Instructions:

Please apply online at https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Chemical-and-Biological-Engineering---Assistant-Associate-Full-Professor_R6254

Applications will be accepted until the position(s) are filled. However, to receive full consideration, applications should be received by December 1, 2021. All interested, qualified persons must apply for this position online at <http://jobs.iastate.edu> to Job Requisition Number R6254.

The following documents are required to be submitted in PDF format:

- 1) Cover letter (including information about desired rank) that briefly discusses how the candidate meets each of the preferred qualifications; please consider including a brief statement describing the impacts that the COVID-19 pandemic has had on your research, work conditions, and productivity.
- 2) Curriculum Vitae

3) Contact information for at least three references, including name, mailing address, email address, phone number, and other pertinent information

4) Other documents (submitted as one PDF):

- One-page teaching statement
- Up to five-page research statement
- One-page statement of experiences promoting diversity and inclusion, which could include advocacy, support, study, and experience with individuals and issues outside the candidate's personal background

The search committee will virtually complete much of the search process, candidate review, and preliminary interviews to ensure the safety of faculty, staff, students, and candidates. Finalist candidates will be invited to campus for a mix of face-to-face and virtual meetings. Direct questions to bme-search@iastate.edu or call 515-294-9297.

Job Requisition Number: R6254

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email eooffice@iastate.edu