

Multiple, Open Rank, Tenure-Track/Tenured Faculty  
Positions in Biomedical Engineering  
Indiana University Bloomington

Direct Link: <https://www.AcademicKeys.com/r?job=262118>

Downloaded On: Sep. 9, 2025 1:51am

Posted Sep. 8, 2025, set to expire Jan. 18, 2026

<b>Job Title</b>	Multiple, Open Rank, Tenure-Track/Tenured Faculty Positions in Biomedical Engineering
<b>Department</b>	Luddy School of Informatics, Computing, and Engineering <a href="https://luddy.indiana.edu/index.html">https://luddy.indiana.edu/index.html</a>
<b>Institution</b>	Indiana University Bloomington Bloomington, Indiana
<b>Date Posted</b>	Sep. 8, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Aug. 1, 2026
<b>Job Categories</b>	Assistant Professor Associate Professor Professor
<b>Academic Field(s)</b>	Computer Science Bioengineering (all Bio-related fields) Human Factors Engineering/Ergonomics
<b>Job Website</b>	<a href="https://provost.indiana.edu/initiatives/faculty-100.html">https://provost.indiana.edu/initiatives/faculty-100.html</a>
<b>Apply Online Here</b>	<a href="https://hr.iu.edu/working-at-iu/">https://hr.iu.edu/working-at-iu/</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Indiana University Bloomington (IUB) is engaged in a [multi-year initiative](#) to increase the breadth and scope of its faculty in biomedical engineering. We are inviting applications for multiple tenure-

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track/tenured faculty positions in biomedical engineering at all ranks (assistant, associate, or full professor) to join [Intelligent Systems Engineering](#), or other departments such as [Computer Science](#), and [Informatics](#) within the [Luddy School of Informatics, Computing, and Engineering](#).

We welcome candidates specializing in experimental, translational, computational, and/or AI research, who are developing engineering systems, technologies, and platforms. We are particularly interested in candidates working in the following areas related to biomedical engineering, including (but not limited to):

- **Imaging and Biomedical Devices:** advanced biomedical imaging technologies; neuroimaging, optical imaging; ultrasonic imaging; multimodal and hybrid imaging systems; wearable physiological sensors; point-of-care diagnostic devices; biosensors for disease detection; portable and miniaturized diagnostic platforms; microfluidic-based biosensing systems; image-guided intervention systems; digital healthcare systems; real-time physiological monitoring technologies; multimodal data integration and analysis for imaging and sensing.
- **Human Centered Models and Systems:** human stem cell-derived organoids; patient-derived organoids; organ-on-chip platforms; microphysiological systems (MPS); 3D bioprinting of tissues and organs; advanced biofabrication techniques; integrated multi-organ models; high-content functional screening systems; biomedical digital twins; computational modeling of living systems; AI-driven physiological and pathological modeling; high-performance computing (HPC) for biological simulations and analyses; multimodal data integration and analysis; new approach methodologies (NAMs).
- **Precision Medicine and Biomedical Data:** spatial transcriptomics and spatial omics integration; CRISPR and advanced gene editing technologies; epigenetic profiling and modulation; biomarker discovery and validation; personalized therapeutic design; clinical decision support systems; longitudinal health data integration; genomic and multi-omics data analysis; AI and machine learning for precision diagnostics; predictive modeling of treatment outcomes; biomedical big data analytics; real-time health monitoring and data streaming; privacy-preserving health data sharing.

Candidates should complement one or more of Indiana University's existing strengths as well as new initiatives in synthetic biology, chemical biology, biohealth informatics, robotics, nanoengineering & microelectronics, and toxicology. Candidates interested in entrepreneurial activity are encouraged.

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Successful applicants will be expected to engage in collaborative and transdisciplinary research and teaching. These are full-time 10-month appointments, with a preferred start date of August 1, 2026. For full consideration, apply by **November 7th, 2025**. Applications will be considered until positions are filled.

**Responsibilities:** IUB is seeking dedicated Tenure-Track/Tenured faculty members who will contribute to enhancing the academic distinction of their departments. Key responsibilities include:

- **Research Excellence:** Develop and maintain a well-recognized research program, including securing significant external research funding, leading cutting-edge research as a principal investigator, and collaborating effectively with other researchers.
- **Teaching and Mentorship:** Teaching and mentoring a dynamic student body at both undergraduate and graduate levels, focusing on expanding the educational opportunities available for Indiana University students.
- **Service and Engagement:** Contribute actively to the department, school, and university through service roles, and engage professional communities and local community initiatives.

These positions are based at the IUB campus in Bloomington, Indiana. Faculty members are expected to work on campus to fully engage with the department, school, campus, and community.

Indiana University evaluates tenure and promotion based on performance in research, teaching, and service. All faculty hired under this initiative are expected to excel in research and demonstrate strong performance in teaching and service. In addition, candidates are encouraged to actively engage in technology transfer, collaborate with industry partners, and contribute to company development, reflecting our commitment to practical impact and innovation in research.

**Qualifications:** Candidates must possess a doctoral degree or equivalent in engineering, physics, biophysics, mathematics, biology, chemistry, biomedical science, medicine, computer science, or a related discipline from an accredited institution. Candidates should demonstrate rank-appropriate achievements in research, teaching, and service.

**Application Procedure:** Please submit the following documents with your application:

1. Cover Letter:
  1. List your preferred rank for consideration (assistant, associate, or full professor)
  2. Summarize your qualifications in research, teaching, and service
  3. Explain your interest in Indiana University
2. Curriculum Vitae (CV).

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3. Research Statement: Provide an overview of your research experience and plans (3-4 pages), emphasizing interdisciplinary and collaborative experiences and funding and translational opportunities. Faculty applying at the rank of full professor may opt to rely upon their CV until advanced consideration.
4. Teaching Statement: Outline your teaching interests and experience relevant to your desired department(s) (1-2 pages).
5. References: Please provide names and contact information for three references.
  1. **For tenure-track positions**, references will be contacted upon submission of your application.
  2. **For tenured positions**, references will be contacted for those candidates invited for on-campus interviews.

**Application Submission:**

- Candidates interested in submitting an application should submit their materials at: <https://indiana.peopleadmin.com/postings/30517>
- For full consideration, candidates interested in applying for the open-rank positions should submit their application by November 7, 2025 (11:59 pm EST).
- Applications received after this date will be reviewed by the search committee if the position has not yet been filled.
- All queries about the position or the application procedures may be addressed to [faculty1@iu.edu](mailto:faculty1@iu.edu).

Before a conditional offer of employment with tenure is finalized, candidates will be asked to disclose any pending investigations or previous findings of sexual or professional misconduct. They will also be required to authorize an inquiry by Indiana University Bloomington with all current and former employers along these lines. The relevance of information disclosed or ascertained in the context of this process to a candidate's eligibility for hire will be evaluated by Indiana University Bloomington on a case-by-case basis. Applicants should be aware, however, that Indiana University Bloomington takes the matters of sexual and professional misconduct very seriously.

*Indiana University is an equal opportunity employer and provider of ADA services and prohibits discrimination in hiring. [See Indiana University Notice of Non-Discrimination here which includes contact information.](#)*

**About Indiana University Bloomington:** Founded in 1820, Indiana University-Bloomington (IUB) is the flagship campus of Indiana University. Located in Bloomington, IN., IUB constantly strives to embody its mission to create, disseminate, preserve, and apply knowledge. It does so through its commitments to cutting-edge research, scholarship, arts, and creative activity; inspired and challenging

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undergraduate, graduate, professional, and lifelong educational programs; meaningful experiences outside the classroom; expansive global educational opportunities while fostering a culturally welcoming campus environment; first-rate library and museum collections; and far-reaching economic development and impact in the state and region.

IUB is a member of the prestigious Association of American Universities (AAU) since 1909, is accredited by the Higher Learning Commission and is a member of the North Central Association. With over 47,000 undergraduate and graduate students, the campus has 16 degree-granting colleges and schools offering 300+ undergraduate majors, 300+ master's degrees, and 150+ doctoral and professional degree opportunities. Known for its Indiana limestone facades and green spaces throughout, IUB is widely considered one of the country's most beautiful college campuses.

The [Luddy School of Informatics, Computing, and Engineering](#) at Indiana University is the first of its kind and among the largest in the country. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing, information technology and modern engineering. The Luddy School is a core school with programs on the Bloomington and Indianapolis campus and includes 150 faculty and 3,000 students. Departments in the Luddy School's Bloomington campuses include Computer Science, Information and Library Science, Informatics, and Intelligent Systems Engineering (with degrees in Intelligent Systems Engineering and Computer Engineering). Cross-cutting degrees are offered in data science, cybersecurity & global policy, and business intelligence & data science.

The [Indiana University School of Medicine](#) (located in Indianapolis, one hour drive from Bloomington) is the largest medical school in the United States and a national leader in medical education, research, and clinical care. Its mission is to advance health in Indiana and beyond through innovative education, groundbreaking biomedical research, and excellence in patient care. The School is recognized for its world-class programs in cancer and neuroscience, with internationally renowned research centers such as the IU Melvin and Bren Simon Comprehensive Cancer Center and the Stark Neurosciences Research Institute driving discovery from bench to bedside. With more than 1,400 faculty, nine campuses across the state, and strong clinical partnerships, the IU School of Medicine fosters a collaborative environment where cutting-edge science translates into life-saving therapies and improved quality of life.

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Nestled in the rolling hills of south-central Indiana and home to 85,000 residents, the city of Bloomington offers the feel of a college town with many of the amenities of a large city. From off-Broadway plays and musicals, the LOTUS World Festival of Music, quick access to 250,000 acres of public recreation lands, outstanding public schools and a reasonable cost of living, Bloomington offers much to all.

For more information about the Luddy School and Indiana University, visit:

- Luddy School of Informatics, Computing, and Engineering: <https://luddy.indiana.edu/>
- Indiana University School of Medicine: <https://medicine.iu.edu/>
- Indiana University Bloomington: <https://www.indiana.edu>

### EEO/AA Policy

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### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Cindy Broderick, PhD  
Office of the Vice Provost for Faculty and Academic Affairs  
Indiana University Bloomington  
Bloomington, IN

**Contact E-mail** [faculty1@iu.edu](mailto:faculty1@iu.edu)