Academic Professional Track (Non-Tenure): Open Rank - Instructional (Engineering)
Texas A&M University

Job Title	Academic Professional Track (Non-Tenure): Open Rank - Instructional (Engineering)
Department	School of Engineering Medicine
	https://enmed.tamu.edu
Institution	Texas A&M University
	Houston, Texas
Date Posted	Sep. 30, 2024
Application Deadline	open until filled
Position Start Date	Available immediately
Job Categories	Core Faculty
	Assistant Professor
	Associate Professor
	Professor
Academic Field(s)	Computer Engineering
	Computer Science
	Bioengineering (all Bio-related fields)
	Engineering - Other
Job Website	https://apply.interfolio.com/151601
Apply By Email	

Job Description

Description

The School of Engineering Medicine at Texas A&M University invites applications for the position of

Academic Professional Track (Non-Tenure): Open Rank - Instructional (Engineering)
Texas A&M University

Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor, commensurate with qualifications. This is a full-time, 11-month, academic professional track (non-tenure) appointment with a start date in the AY24-25. The School of Engineering Medicine (SEM) is headquartered in Houston, Texas, adjacent to the Texas Medical Center, which has a rich clinical, research, and innovation ecosystem.

The mission of SEM is to train a new generation of skilled physicians who are also engineers and innovators. These unique individuals are known as "physicianeers". Students in the engineering medicine program (ENMED) have undergraduate degrees in engineering, or a closely related field. Graduates of the program receive a Medical Doctorate and Master of Engineering degree focused on medical technology innovation. Graduates are expected to be practicing physicians with the skills and knowledge necessary to advance healthcare through innovation.

The applicant will participate in all aspects of ENMED's innovation activities, including (1) advising and mentoring students in their innovation projects and entrepreneurship, (2) conducting technical workshops, and (3) supervising student projects in the use of the various maker-spaces, such as the Engineering Innovation Center (EIC), which focuses on device development, the Computational Medicine Maker Space (CMMS), which focuses on AI, machine-learning, and data mining, and the Biologic Maker Space (BMS), which focuses on platform technologies for cellular and/or precision medicine.

Duties include:

Teach graduate engineering courses within the ENMED program. These courses are related to the conceptualization, development, and commercialization of biomedical innovations that address unmet health needs and to the engineering principles that underlie biomedical technologies

- Serve as a faculty advisor for student medical innovation projects
- Service to the School of Engineering Medicine, e.g., programmatic development and continuous quality improvement of the educational environment
- Work with medical faculty to achieve a seamless blending of the engineering and medical curricula
- Mentor students

Qualifications

The minimal requirements are a doctoral degree in engineering or in a closely related scientific discipline, and the following:

Academic Professional Track (Non-Tenure): Open Rank -
Instructional (Engineering)
Texas A&M University

- Prior teaching experience and a commitment to a learner-centered, active-learning pedagogy, including case-based instruction and team-based learning
- Experience in developing and deploying curricula that foster innovation and entrepreneurship in the healthcare space
- A history of effective collaboration with diverse clinical, educational, and research faculty
- Excellent written and verbal communication skills

Preferred Qualifications

Preference will be given to candidates that have advanced degrees in both engineering and medicine, and one or more of the following:

- A successful record of innovation and commercialization in the medical technology ecosystem
- Having knowledge of and experience with regulatory processes that govern bringing medical technologies to market
- Experience in advancing medical innovations through clinical trials
- Experience in a clinical and/or medical education environment, including pre-clerkship and clerkship phases of medical education.
- Experience in the convergence of two or more historically distinct scientific disciplines such as engineering and medicine

Application Instructions

Interested applicants must apply through the Texas A&M University faculty job board hosted by Interfolio at https://apply.interfolio.com/151601lio.com/151601 and upload the following: (1) Cover Letter, (2) Curriculum Vitae, (3) Personal statement to include philosophy and potential contributions to ENMED's unique interdisciplinary environment, (4) Upload three letters of recommendation. For further questions about this position, please contact Dr. Baxter at baxter@tamu.edu.

EEO/AA Policy

Equal Employment Opportunity Statement

Academic Professional Track (Non-Tenure): Open Rank - Instructional (Engineering)
Texas A&M University

Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

Contact Information

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

Contact

,