



**ASSISTANT PROFESSOR, STEPHENSON SCHOOL OF BIOMEDICAL
ENGINEERING**

Description:

The Stephenson School of Biomedical Engineering (SBME) at the University of Oklahoma invites applications for a tenure-track Assistant Professor position starting Fall 2025. We seek a highly collaborative researcher specializing in cancer ImmunoEngineering, including areas such as immunotherapy, cancer vaccines, CAR-T cell therapy, immune modulation, imaging-guided therapies, biomaterials for immunotherapy, and AI/machine learning in cancer diagnostics and therapeutics. This position aligns with SBME's strategic focus on ImmunoEngineering, complementing existing strengths in nanomedicine, peptide engineering, optical bioimaging, and drug delivery. Competitive candidates will be effective communicators who value translational research, are committed to excellence in teaching, and contribute positively to our collaborative community.

The successful candidate will be expected to develop an independent, externally funded research program, teach undergraduate and graduate courses in biomedical engineering, and mentor students. SBME's mission is to educate the next generation of biomedical engineers and to create new technologies that advance human health. Founded in 2016, SBME is committed to undergraduate and graduate education, offering B.S., M.S., and Ph.D. programs in Biomedical Engineering. We moved into the new Gallogly Hall in 2019, providing state-of-the-art lab spaces for faculty and students. Our faculty of 15 works with approximately 264 undergraduates and 41 graduate students.

The University of Oklahoma (OU) is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement. Serving educational, cultural, economic, and healthcare needs from campuses in Norman, Oklahoma City, and Tulsa, OU enrolls over 30,000 students and employs more than 2,700 full-time faculty members across 20 colleges. SBME faculty and students enjoy extensive partnerships with scientists and clinicians at the OU Health Sciences Center ([OUHSC/OU Health](#)), the OU Institute for Biomedical Engineering, Science and Technology ([IBEST](#)), the Oklahoma Medical Research Foundation ([OMRF](#)), the [Oklahoma Center for Geroscience and Healthy Brain Aging](#), the Laureate Institute for Brain Research ([LIBR](#)) in Tulsa, and the strategic 10-year Value Partnership between OU Health and Siemens Healthineers. These collaborations provide ample opportunities for interdisciplinary research and access to cutting-edge facilities and resources.

Qualifications:

Required:

- **Doctoral Degree:** A Ph.D. in Biomedical Engineering, Immunoengineering, or a closely related field.
- **Research Excellence:** Demonstrated expertise in cancer ImmunoEngineering with a strong commitment to research, with the potential to develop a strong record of external grant funding.
- **Commitment to Education and Teaching:** Experience in teaching at the undergraduate level; demonstration of independent teaching experience is desirable.

Desirable Qualifications:

- **Effective Communication Skills:** Demonstrated ability to communicate research and teaching concepts clearly and effectively to diverse audiences.
- **Community Engagement:** Interest in participating in community outreach or educational programs that enhance the visibility and impact of SBME.

- **Engagement with Strategic Partnerships:** Interest in leveraging collaborations with SBME's partners—such as the OU Health Sciences Center (OUHSC), OU Health, the Institute for Biomedical Engineering, Science and Technology (IBEST), the Oklahoma Medical Research Foundation (OMRF), the Laureate Institute for Brain Research (LIBR), and others—to enhance research and educational initiatives.
- **Translation and Innovation:** Experience in entrepreneurship and innovation, such as involvement in patent applications, startups, commercialization of research, or collaborations with industry partners. Familiarity with FDA processes and regulations is advantageous. Formal training or participation in programs focused on translating research into clinical or commercial applications is highly valued, along with an interest in leveraging collaborations with SBME's strategic partners to enhance initiatives.

Application Instructions: Upload a cover letter, curriculum vitae, and contact information of four references to be used with your permission at apply.interfolio.com/155476. A review of the applications will begin January 10th, 2025 and will continue until final selections are made. Salary and benefits are nationally competitive and commensurate with qualifications and experience. Competitive start-up packages will be available. Nominations may be sent to Prof. Chongle Pan, Associate Professor of Biomedical Engineering, cpan@ou.edu.

The University of Oklahoma: The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides. The University of Oklahoma is committed to achieving a diverse, equitable, and inclusive university community by recognizing each person's unique contributions, background, and perspectives. The University of Oklahoma strives to cultivate a sense of belonging and emotional support for all, recognizing that fostering an inclusive environment for all is vital in the pursuit of academic and inclusive excellence in all aspects of our institutional mission. The Mission of the University of Oklahoma is to provide the best possible educational experience for our students through excellence in teaching, research, and creative activity, and service to the state and society.