



UNIVERSITY OF
TEXAS
ARLINGTON

DEPARTMENT OF
BIOENGINEERING

Tenure-track and Tenured Faculty Positions

To apply, please visit: <http://www.uta.edu/engineering/about/faculty-search/bio/index.php>

The College of Engineering at The University of Texas at Arlington is building areas of excellence that foster cross-disciplinary, cutting edge research. **The Department of Bioengineering (BE)** is recruiting one or more outstanding faculty in these areas of excellence, including **innovative synthetic and tissue-based materials** to create and maintain biocompatible interfaces for devices in humans, and **innovative quantitative means for imaging at microscopic or macroscopic scales**, as well as monitoring the patency of biotic and abiotic interfaces in humans.

Candidates in **innovative synthetic and tissue-based materials** will have the training and demonstrated expertise in developing new means to minimize or eliminate inflammation, infection, and rejection caused by implanted electrodes, sensors and actuators, catheters and other life support devices. Examples include electrically conductive or insulating coatings and permeable membranes of synthetic and biological origin. Candidates are also sought with expertise in developing nano-scale means of delivering drugs and therapeutic agents to targeted as well as nonspecific sites in tissues and organs.

Candidates in **innovative quantitative means for imaging at microscopic or macroscopic scales** will include development of new imaging methods in the field of functional MRI, optical imaging, ultrasound imaging, or integrating multi-modal imaging. The candidates' expertise should also include analysis of images and signals that can reliably quantify the interaction between implants and tissues and organs to provide a better understanding of how the body interacts with implanted devices over extended periods of time.

An earned doctorate degree in biomedical engineering or a related field is required. Candidates must have demonstrated a commitment to quality teaching and scholarly research. Applicants in senior ranks are expected to have an excellent record of research, scholarship, funding, demonstrated leadership, and a commitment to teaching and mentoring. The department has ongoing projects with area industry, medical schools and hospitals, as well as active inter-disciplinary collaborations with other departments and colleges on campus. Competitive salaries and research startup funds are available for these positions.

UT Arlington is a doctoral, research-extensive university with a current enrollment of over 33,000 students and is part of the University of Texas System. The University is located in Arlington, Texas, in the Dallas/Fort Worth Metroplex, the fourth largest urban area in the nation. With more than 4,500 students and 23,000 alumni, the College of Engineering (uta.edu/engineering) is the fourth largest in Texas, and has ties to numerous high technology companies in North Texas. The College offers nine baccalaureate, 13 master's, and nine doctoral degree programs.

The BE department (uta.edu/bioengineering) has a joint graduate program with The University of Texas Southwestern Medical Center at Dallas, providing excellent opportunities for collaboration with medical researchers and clinicians. **Review of applications will begin on December 3, 2012, and continue until January 15, 2013.**

The successful candidate will be required to complete an Employment Eligibility Verification form and provide documents to verify identity and eligibility to work in the U.S. UT Arlington is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply. The use of tobacco products is prohibited on UT Arlington properties. A criminal background check will be conducted on finalists.