



Faculty Positions

Assistant Professor of Bioengineering

The Pennsylvania State University invites applications for tenure track positions in the Department of Bioengineering at its University Park campus. Applicants are expected to have a Ph.D. and post-doctoral training in bio/biomedical engineering, chemical or electrical engineering, biophysics, or a related discipline. The department has a 30-year history and research strengths in cardiovascular bioengineering, cell and molecular biomechanics, biomaterials and tissue engineering, medical devices and biomedical imaging. For more details, visit <http://bioeng.psu.edu>. Outstanding candidates in all areas of bioengineering will be considered, however, preference will be given to candidates with expertise in one of the following two areas:

Biomaterials and Drug Delivery: Application of materials science to integration of materials with living tissues for eliciting desired effects at the cellular and/or molecular level. Approaches that include assessment of biological system function, compatibility and efficacy of design as applied to nano-medicine, MEMS, and drug delivery. Potential end-points should target physiological and/or pathological problems in medically related studies, including but not limited to cardiovascular, orthopedic, cancer, and diabetic research.

Physiological Systems and Networks: Development of systems analysis of tissue function in light of cellular signaling processes and environmental/mechanical stimuli. Innovative approaches in analyzing physiological and pathological processes at the molecular, cellular and/or tissue level are desirable. Of particular interest are new multiscale network models using integrative theoretical and experimental approaches encompassing the areas of protein signaling, metabolic pathways, neural engineering, and other appropriate fields. Translational research aimed at the treatment of cancer, diabetes, stroke, Parkinson's or Alzheimer's disease, and/or related conditions is desirable.

Candidates are expected to attract extramural funding and contribute to departmental teaching at the undergraduate and graduate levels. In addition to departmental resources, additional facilities and potential collaborations exist at Penn State in the Huck Institute for Life Sciences, the Materials Research Institute, and Cancer Institute, Hershey Medical School. Send curriculum vitae, statement of research and teaching objectives, five reprints, and names of three references to Dr. Herbert H. Lipowsky, Professor and Head, Department of Bioengineering, Penn State University, 205 Hallowell Building, University Park, PA 16802, or e-mail to: hhlbio@engr.psu.edu.

Penn State is committed to affirmative action, equal opportunity and the diversity of its work force