



## College of Engineering

### Faculty Position in Neuroengineering and Circuit Neuroscience

Development of new tools to explore and exploit neural systems provides opportunities to integrate analyses across multiple levels, from molecular through behavioral, to dramatically improve understanding of the circuitry of neural systems. The Weldon School of Biomedical Engineering is seeking candidates across all levels who will thrive in an intellectually diverse community of engineers and scientists across Purdue's ongoing initiatives, especially the Purdue Institute for Integrative Neuroscience.

Successful candidates for this position will have the ability to leverage and/or extend expertise in implantable devices at Purdue including integrated/embedded devices for stimulation and/or recording of neural circuits using freely behaving animals. Ideal candidates will bring experience with technologies that employ implantable design and engineering-enhanced therapeutics to understand neural systems. Purdue provides an especially strong network of opportunities in the Center for Implantable Devices, the Purdue Institute for Integrative Neuroscience, and the largest neurosurgical group in the United States: Goodman Campbell Brain and Spine in Indianapolis. The collaborative goal of these efforts is preeminence in neural systems research combined with extraordinary clinical impact.

This position is part of the College's initiative to build a preeminent team in the area of implantable devices and a University-wide effort to enhance neuroscience research. Candidates must hold a PhD in engineering, neuroscience or related field. Successful candidates will be expected to develop strong, externally-funded research programs, conduct original impactful research, advise graduate students, teach undergraduate and graduate level courses, contribute to innovative curricula, and perform service both at the School and University levels. Candidates with experience or interest in working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

Purdue University's College of Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter and indicate their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans, and names of five references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at [coeacademicaffairs@purdue.edu](mailto:coeacademicaffairs@purdue.edu). Review of applications will begin on **October 15, 2017** and will continue until the positions are filled. Questions regarding the position may be addressed to the chair of the search committee Professor Pedro Irazoqui at [pip@purdue.edu](mailto:pip@purdue.edu). A background check will be required for employment in this position.

Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities, events, and industries. Purdue and the College of Engineering have a [Concierge Program](#) to assist new faculty facilitate their relocation.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*