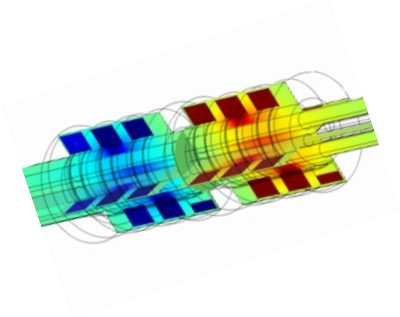
Post-Doctoral Research Associate -or-
Staff Research Scientist

Neural Engineering and Neural Prostheses



We seek highly-motivated individuals who enjoy the freedom to pursue their own ideas in a supportive environment to join our team. We have multiple opportunities to pursue modeling, experimental, and clinical studies to advance electrical for restoration of function.

We presently have active projects in:

- autonomic nerve stimulation and block: vagus nerve stimulation; computational modeling for analysis and design; in vivo electrophysiology
- deep brain stimulation: mechanisms of action; closed-loop control; design of innovative therapies
- spinal cord stimulation to treat chronic pain: modeling, preclinical studies, and clinical studies to understand mechanisms and to innovate for increased therapeutic efficacy
- peripheral nerve and spinal cord stimulation for control of bladder function, including restoration of continence and emptying
- intracortical microstimulation and recording for restoration of sensory function
- transcranial magnetic stimulation: mechanisms and innovations to increase efficacy

We conduct computer-based modeling of neurons and electric fields, in vivo stimulation and recording in preclinical models, and translational clinical feasibility / physiology experiments in humans. The strong interdisciplinary and collaborative environment at Duke is ideal for our translational research efforts.

An earned PhD and previous research experience with computational or experimental electrophysiology are required, as are excellent communication skills. A start date before year's end is preferred.

This is a full-time position with University Benefits and provides exceptional opportunities for interdisciplinary research and career development.

For consideration submit a CV and the names and contact information of three professional references as a .pdf file attachment to:

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