

Retinal Prosthetics / Neural Prosthetics

Post-doctoral openings

Boston Retinal Implant Project

Fried Lab

Neural Stimulation & Retinal Function

The Electrophysiology Group of the Boston Retinal Implant Project (BRIP) is actively seeking 2 post-doctoral fellows to undertake research on how neurons of the CNS respond to electric stimulation. The focus of the group is to create more effective neural prosthetics by better understanding the underlying interaction between prosthetic and neural tissue.

This research uses a combination of electrophysiology, imaging and molecular biology to study how neurons (single and population) respond to different forms of stimulation. Experiments are performed in the Fried lab with facilities at Massachusetts General Hospital (Harvard Medical School) and the Boston VA Medical Center. These positions are supported by grants from the Department of Defense, NSF, NIH and the Veterans Administration.

A considerable amount of collaborative effort occurs with other BRIP members including co-directors Joseph Rizzo and John Wyatt. Our findings contribute directly to ongoing in-vivo and in-vitro experiments in other groups as well as to the design of the next generation human implants.

Applicants should have a PhD in bioengineering, neuroscience or a related field. Experience in electrophysiology, the retina, or both is a strong plus. To apply, please email a current CV along with the names of 3 references to:

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