Postdoctoral Associate in Neural Tissue Engineering and Regenerative Medicine

Qualifications: The *Translational Glycomaterials and Neural Repair Laboratory* in the Regenerative Bioscience Center at The University of Georgia (UGA) is recruiting a talented postdoctoral research associate to help develop therapeutic approaches for invasive brain tumors and severe traumatic brain injuries (TBI). The ideal candidate will have a Ph.D in neuroscience, neuro-oncology, biomedical engineering, psychology, or a related field, and possess strong computational skills (MATLAB, Julia, E-prime, Python etc.) and training in in vitro cell biological methods, rodent surgeries, imaging and image analysis, and histology. Applicants should have a good publication record, rigorous training in experimental methods, and expertise in statistics and statistical computation tools (R, MATLAB). Prior experience in biomaterial synthesis and characterization, microfluidics, neural interfacing, neuromodulation (tMS, tDCS), electrophysiology, and motor function assessments, is highly desirable. The candidate should have excellent communication, time-management, and leadership skills, and will be expected to work independently and with a sense of urgency on time-sensitive projects.

Environment: UGA is ranked 15th among top public universities in the US. It is the first chartered state university in the US, founded in 1785, and is located on a 759-acre campus in Athens, Georgia. UGA offers great opportunities for translational clinical research through the Georgia Clinical and Translational Science Alliance (CTSA), in collaboration with Georgia Institute of Technology, AU/UGA medical partnership, and Emory University School of Medicine. The intellectual environment among neuroscience researchers at the RBC is very rich, with several extramurally funded laboratories investigating a wide range of neurodegenerative diseases and neuropathologies.

Salary and Benefits: Salary and benefits will be commensurate with the federal wage and Fair Labor Standards Act (FLSA) and National Institutes of Health (NIH) guidelines.

Job Description: The lab specializes in the development of functionalized 3D glycomaterial scaffolds, in vitro microphysiological platforms, and neuromodulation tools designed to investigate therapeutic potency and functional recovery. The candidate will be expected to conduct both in vitro therapeutic assessment studies as well as in vivo investigations of therapeutic efficacy in rodent models. The incumbent will be working in a fast-paced environment on NIH, NSF and foundation funded projects. In addition to the above activities, the postdoctoral appointee will be expected to assist the PI in overseeing laboratory activities, supervising graduate and undergraduate trainees, and preparing manuscripts and grant proposals. The selected candidate will be engaged on an annual contract, which will be renewed annually subject to performance.

Application: Interested candidates should send a cover letter, CV, reprints of selected publications, and names and contact details of at least three references in a single PDF to Dr. Lohitash Karumbaiah (lohitash@uga.edu). The lab is currently supported by the National Institute for Neurological Disease and Stroke (NINDS), NSF Engineering Research Center (ERC) for cell manufacturing technologies (CMaT), Georgia Research Alliance, Alliance for Regenerative Rehabilitation Research and Training (AR^{3}T), and the American Brain Tumor Association (ABTA). Learn more about the lab at https://www.karumbaiahlab.org/

Application Deadline: Open until filled. Position Start Date: ASAP

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