Position: Post-Doctoral Fellow in Human Neuroimaging

Institution: Vanderbilt University Institute of Imaging Science (VUIIS)

Position Description: We are seeking a post-doctoral researcher to work in the Brain Imaging and Electrophysiology Network (BIEN) laboratory (www.englotlab.com) at Vanderbilt University in Nashville, Tennessee to begin on or about July 1, 2019. The primary mentor will be Dario Englot, MD, PhD, a neurosurgeon-scientist using functional and structural MRI techniques, as well as intracranial EEG, to better understand brain network pathophysiology in epilepsy and other neurological disorders. Co-mentorship will be provided by Victoria Morgan, Ph.D., Associate Professor of Radiology and Radiological Sciences, who is an engineer experienced in advanced functional neuroimaging in epilepsy.

This post-doc position will be focused on neuroimaging connectivity patterns in patients before and after surgery, and relating imaging signals to intracranial EEG data in the same patients. A major goal of the lab is to understand how seizures in epilepsy patients lead to dysfunction in brain networks related to cognition, behavior, and consciousness. We are also interested in how network analysis can improve clinical treatment, and in how networks may change after surgery.

Requirements: This position requires a Ph.D. in engineering, neuroscience, or a related field, with proficiency in MATLAB and/or computer programming. Prior experience in imaging is preferred but not required. Both pending Ph.D. graduates and individuals who have completed previous post-doc training will be considered. An excellent academic record is critical, including a history of high-quality publications, presentations at national meetings, and experience in submitting grant applications. Applicants must be reliable, honest, hard-working, independent, and possess excellent communication skills. A minimum time commitment of one year is expected, with the potential opportunity for renewal. Salary will be commensurate with University guidelines, and benefits will be provided. The grant mechanism requires that the applicant be a United States citizen or permanent resident.

How to Apply: Please email a CV, a brief statement of research interests and career goals, and the contact information for two to three references to Dr. Dario Englot at dario.englot@vanderbilt.edu.

Principal Investigator:
Dario J. Englot, M.D., Ph.D
Assistant Professor of Neurological Surgery,
Radiology and Radiological Sciences, and
Biomedical Engineering
Vanderbilt University Medical Center
Profile: https://engineering.vanderbilt.edu/bio/dario-englot
Email: dario.englot@vanderbilt.edu