INSTITUTE FOR HUMAN
NEUROSCIENCE
Boys Town National Research Hospital

The Institute for Human Neuroscience at Boys Town National Research Hospital in Omaha, NE, USA invites applications for three open Laboratory Director positions in Cognitive Neuroscience. For these junior faculty positions (Assistant Professor/Research Scientist I), we welcome applications from any area of cognitive neuroscience, including executive function, visual attention, perception, motor control, emotion, memory, and methods-oriented areas, and are especially interested in building our existing research programs in developmental neuroscience, aging, motor control, and neurodegeneration. Methodological specialty within neuroimaging is open, but ideally the candidate would benefit from our strong existing programs in multimodal MRI, MEG, optically-pumped magnetometry (OPM), and/or neuromodulation, and develop a nationally recognized program focusing on their area of interest. The successful applicant will receive strong financial support for building their research program, including a generous start-up package, and would join a growing group of cognitive neuroscientists, both within the Institute and across campus, using the latest tools in human neuroscience.

Successful candidates will have a PhD, MD, DPT/PhD or MD/PhD in neuroscience, psychology, physics, computer science, or related field, with postdoctoral training and an excellent publication record for their career stage. Candidates should also have a sustained record of research in high impact journals and demonstrated ability, or evidence of the potential, to generate extramural funding commensurate with their career stage. Applicants should have the ability and interest to teach graduate level courses in their specialty areas of cognitive neuroscience and neuroimaging, and to mentor PhD students in our growing joint PhD program in Neuroscience with Creighton University.

The 15,000+ square foot Institute for Human Neuroscience is a vibrant research environment with state-of-the-art equipment and ample opportunities for training and trans-disciplinary collaboration. The Institute houses the latest equipment available in the field of noninvasive neuroimaging, including two Neo MEG systems, which are the most advanced MEG units currently available, an NIH S10 supported OPM suite, a 3T Siemens Prisma MRI system, and a mock MRI scanner. The Institute's resources also include state-of-the-art high-definition transcranial direct-current and alternating-current stimulation (HD-tDCS/tACS) and targeting equipment, a high-performance computer cluster, a dedicated 3D printing core, and biomechanical equipment for quantifying human movement physiology (i.e., KINARM, Delsys EMG, Vicon motion capture, Bertec force treadmill). The Institute also maintains a 2,500+ square foot clinic that is staffed by research dedicated physical therapists, and the most up-to-date therapeutic equipment for conducting clinical trials with children and adults with neurologic and/or orthopedic impairments. Lastly, the Institute is the home for the Center for Pediatric Brain Health, which is an NIH P20 Center of Biomedical Research Excellence. The Center for Pediatric Brain Health includes multiple research support mechanisms for junior faculty at Boys Town, including both pilot project funding (approx. $50k direct costs per year) and major research project funding (approx. $175k direct costs per year for 3-4 years).

We expect to hire two or three junior faculty through the current call, with start dates in 2024. At least one of these positions will be part of a new initiative focused on motor control and neurotherapeutics across the lifespan. Interested applicants should submit a letter detailing current research interests, a list of their five most important publications, and a curriculum vitae to Dr. Tony Wilson (tony.wilson@boystown.org). Contact information for three references will be requested at a later time. **Review of applications will begin September 22, 2023** and will continue until the positions are filled**.** Individuals from diverse backgrounds are especially encouraged to apply.

To learn more about the Institute, please visit our website at www.instituteforhumanneuroscience.org.

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