INTERDISCIPLINARY GRADUATE TRAINING PROGRAM

PhD Program in Cognitive Neuroscience, Data Modeling, Genetics, and Human Neuroimaging

PROGRAM INFORMATION

The Mind Research Network (MRN), Tulane University, and the University of Nebraska Medical Center (UNMC) offer an affiliated, multidisciplinary graduate research training program in the neurosciences. Trainees in the program specialize in one of several areas and are based at a specific host institution in one of the three states (New Mexico, Louisiana, or Nebraska), based on the best fit with their specific research interests. Successful trainees will receive extensive hands-on training using the latest neuroimaging tools and methods, advanced genetics and multi-level data modeling. The major imaging resources of the training program include magnetoencephalography (MEG), functional and structural magnetic resonance imaging (fMRI and sMRI), diffusion weighted imaging (DWI/DTI), and transcranial electrical brain stimulation (tDCS/tACS). Facilities for genomics, transciptomics, epigenomics and proteomics studies are also available, in addition to multiscale modeling and data integration software and tools. Trainees will also participate in advanced workshops and related events that include graduate students from across the tristate area.

Successful applicants will enter a PhD program in a participating tristate institution and complete an established core curriculum, plus specialty courses in neurophysiology, genetics, modeling, and/or other areas depending on their unique focus area. Each site offers distinct specialty courses. Trainees will receive full tuition remission and ample stipends for living expenses. Duration of training is typically 4-5 years and the program prepares students for careers in neuroimaging, modeling, data analysis and genetics.

Interested applicants should send their curriculum vitae (including GRE scores) and a statement of interest by email to Vince Calhoun (The Mind Research Network, vcalhoun@mrn.org), Tony Wilson (Nebraska Cognitive Neuroscience Training Program; tony.w.wilson@gmail.com), and/or Yu-Ping Wang (Tulane University Neuroscience; wyp@tulane.edu) by January 15, 2017 for best consideration. Applicants should indicate up to 3 faculty of interest at the target site in their statement. Detailed information about potential mentors and their research focus areas can be found at: http://devcog.mrn.org