**Mind Research Network**

**Job # M12512 - Postdoctoral Fellow Image Processing and Algorithm Development**

The Mind Research Network is seeking a highly motivated Postdoctoral Fellow to perform independent research in the area of image processing and algorithm development with application to brain imaging, lung imaging, and genetics data. These positions will be working with Dr. Vince Calhoun (http://mialab.mrn.org/mialab) and will involve processing of brain imaging and genetics data, development of novel tools for data-mining and feature extraction, and developing MRI methods for lung imaging. The Postdoctoral Fellows will be responsible for the development or selection of proper statistic tests, algorithms and methods, as well as developing new ideas that promote current research.

A Ph.D. in biomedical engineering, electrical engineering, computer science, math or a related field is required. Experience with Matlab programming is required and experience with neuroimaging software (e.g., SPM, AFNI, FSL, etc) is preferred. Most of the projects involve analyses of multi-modal data in a multi-disciplinary setting, i.e. studying the relationship between functional and structural MRI images, from populations of healthy individuals, individuals with substance dependence, schizophrenia, and other disorders. Basic skills needed for the projects are Matlab programming, algorithm development, multivariate association statistics, and scientific manuscript writing. Lung imaging project requires understanding of MRI pulse sequences and a desire to learn pulse sequence programming for the Siemens 3T scanner. Prior pulse sequence programming experience would be preferred.

Qualified hires will also receive training in brain imaging (event-related potentials (ERP) and functional magnetic resonance imaging (fMRI) data analyses) and genetic data analyses.

 The Mind Research Network is an independent non-profit organization dedicated to advancing the diagnosis and treatment of mental illness and brain injury.

To apply, visit [www.mrn.org](http://www.mrn.org/) and refer to Job #M12512 in the “Jobs” section of the website.  An Affirmative Action/Equal Opportunity Employer – M/F/D/V.  The Mind Research Network is an independent non-profit organization dedicated to advancing the diagnosis and treatment of mental illness and brain injury.

*Headquartered in Albuquerque, New Mexico, MRN consists of an interdisciplinary association of scientists located at universities, national laboratories, and research centers around the world and is focused on imaging technology and its emergence as an integral element of neuroscience investigation.*

*With an extended community of academicians, researchers, graduate students and technicians, the MRN is uniquely positioned with its national infrastructure to link the brightest minds in neuroscience with some of the most cutting-edge neuro-imaging capabilities in the world today.*