Lead Scientist - CIHM

Degree and area of specialization:
A PhD is required. A degree in psychology, neuroscience or a related discipline is preferred.

Minimum number of years and type of relevant work experience:
Well-qualified candidates will have the following *required* experience:
- A minimum of 3 years' of post-doctoral experience in a research setting.
- A demonstrated ability for strategic thinking and a methodical approach to the implementation of neuroimaging research.
- Experience with at least one of the following neuroimaging analysis methodologies and/or software packages: BOLD GLM, multivariate modeling, functional connectivity, VBM, FSL, SPM, and Freesurfer.

Well-qualified candidates will have the following *preferred* experience:
- A record of serving as Principal Investigator (PI) or co-investigator on extramurally supported research fellowships and/or projects.
- Competency in and experience with at least several of the key methodologies: structural MRI, fMRI, EEG, psychophysiology, neuroendocrine, immune, genetic, and epigenetic measures.
- Competency in at least one of the following: R, SPSS, MATLAB and/or Python.
- Experience with writing grant proposals and budget preparation.
- Experience providing team leadership in a scientific environment.
- Self-motivated and have excellent organizational, interpersonal, writing and communication skills.

We seek an accomplished scientist with a strong record of academic achievement and scientific leadership. Commitment to and enthusiasm for an interdisciplinary approach to contemplative, affective and social neuroscience. Candidates with a developmental focus are especially encouraged to apply.

Principal duties:
The Waisman Center is dedicated to the advancement of knowledge about human development, developmental disabilities, and neurodegenerative diseases throughout the lifespan. One of only 15 centers of its kind in the United States, the Waisman Center encompasses laboratories for biomedical and behavioral research, a brain imaging center, and a clinical biomanufacturing facility for the production of pharmaceuticals for early stage human clinical trials. In addition to its research efforts, the Center provides an array of services to people with developmental disabilities, offers numerous educational and outreach programs to young children and their families, and trains scientists and clinicians who will serve our nation in the future.

The Center for Investigating Healthy Minds (CIHM), a component of the Waisman Center, was founded and is led by neuroscientist Richard J. Davidson. CIHM's mission is to cultivate well-being and relieve suffering through a scientific understanding of the mind. CIHM is a lead in rigorous, interdisciplinary basic and translational research aimed at understanding the mind and how to nurture well-being in ourselves and other. CIHM communicates these findings to the world, inspires scientists to conduct further research and engages influencers to shift the culture to embrace well-being.

This position will provide oversight and direction to CIHM's contemplative, affective and social neuroscience research operations. The Scientist will work in partnership with Dr. Richard Davidson and his collaborative leadership team in three key areas: strategic planning and setting research direction, ensuring the research conducted is at the highest quality level and providing high-level project oversight to ensure the research is conducted as efficiently as possible.

45% Research Collaboration:
This position will collaborate with other scientists, research staff, and students associated with the Center for Investigating Healthy Minds. This will include providing advice and assistance in solving research problems on contemplative, affective and social neuroscience research projects. Assure new and current projects are on track and continue to move forward by following timelines and meeting milestones. Assist with grant progress reports and publications by working with the research team to draft narrative descriptions of scientific progress towards specific research objectives. Contribute to the development of grant proposals by providing feedback on or drafting specific

aims, research plans or preliminary data or other grant sections. Oversee task development to assure that the proposed study designs will answer the intended research questions. Assure that sufficient piloting and testing occurs prior to data collection and serve as a resource for the implementation phase of each research project.

30% Training:
This position will serve as a significant resource for training new scientists, postdocs and graduate students. Serve as a resource and mentor for those individuals, including providing guidance on neuroimaging data analysis and research progress. This will involve enhancing the training environment by developing and implementing a program for individual or groups to learn data processing and analysis. This may include implementing annual workshops, participating in weekly design and analysis meetings, one-on-one training sessions, answering questions, documenting processes and providing written training materials and tools to the community in an organized and accessible format.

20% Independent Research:
The pursuit of independent research is considered to be an essential element to the long-term success of this position. In order to encourage this, a portion of time for this position will be reserved for the pursuit of independent research. The portion of time reserved is expected to grow over time, but is contingent upon the incumbent successfully securing funding. This will require writing grant applications as the PI to fund his/her own independent research and/or collaborating with other investigators to serve as co-PI or key personnel. Additional necessary elements of independent research include: identifying research problems; designing and analyzing experiments; as well as presenting professional papers and posters on research and writing articles for scientific journals on this area of research.

5% Community Outreach:
This position will provide affective and contemplative neuroscience education via public and scientific presentations. Participate in donor development by explaining the science and answering scientific questions for current and prospective donors. Respond to the scientific aspects of media requests as needed.

Additional Information:
A Criminal Background Check will be performed.

In addition to promoting excellence through diversity, CIHM is committed to cultivating core values of scientific rigor, continuous learning, collaboration, respect for all individuals, a shared responsibility for constructive contributions and cultivating gratitude.

Salary is negotiable and commensurate with skills and experience.

This position offers a competitive benefits package. Information on University benefits is located at: http://www.ohr.wisc.edu/benefits/"

Application Procedures:
To apply, please submit a cover letter and resume highlighting your relevant experience to Brittany.Thomson@wisc.edu by 12/23/15.