



**Yale University**  
*School of Medicine*  
*Department of Diagnostic Radiology*

## Postdoctoral Associate position

We are looking for a postdoctoral associate with a strong aptitude for (and interest in) functional neuroimaging data analysis. The primary project will be a study of real-time fMRI neurofeedback in patients with obsessive-compulsive disorder, funded by a five-year NIH grant that becomes active this summer. The methods used will be similar to those previously described [1, 2], but will be in a patient population rather than in healthy subjects. The successful candidate will have the option to participate in a wide range of other functional neuroimaging projects, and to analyze existing data sets, including real-time fMRI neurofeedback data from patients with Tourette Syndrome. The position provides a great opportunity for training in both resting state functional connectivity analyses and real-time fMRI, as well as some of the more conventional functional imaging approaches. Familiarity with functional neuroimaging data analysis, a programming background, and experience with Linux are all assets, but not required. Critically, the candidate must have strong analytical/computational skills and be interested in human functional brain imaging. A Ph.D. in neuroscience, biomedical engineering, or a related field is required. The successful candidate will be expected to design and conduct complex analyses of functional neuroimaging data, to prepare manuscripts for publication, and to present the results at scientific meetings. Applicants should forward a CV, contact information for 3 references, and a statement of research interests to Michelle Hampson ([michelle.hampson@yale.edu](mailto:michelle.hampson@yale.edu)). The ideal start date is September 1, 2014, but there is some flexibility - a month or two earlier or later would work. Salary will be based on the standard NIH payscale.

### References

1. Hampson, M., Stoica, T., Saksa, J., Scheinost, D., Qiu, M., Bhawnani, J., Pittenger, C., Papademetris, X., Constable, R.T. 2012. Real-time fMRI biofeedback targeting the orbitofrontal cortex for contamination anxiety. *Journal of Visualized Experiments*, 3535.
2. Scheinost, D., Stoica, T., Saksa, J., Papademetris, X., Constable, R.T., Pittenger, C., Hampson, M. Orbitofrontal cortex neurofeedback produces lasting changes in contamination anxiety and resting-state connectivity. *Translational Psychiatry*, 3, e250.