

**Post Doctoral Position
MicroMRI Applications in Neurobiology
Biological Imaging Center
California Institute of Technology**

Post Doctoral Position. This position is aimed at development and application of high resolution MRI in small animal models of neurotransmitter dysfunction, neurodegenerative disease, and cancer. The Biological Imaging Center and Caltech Brain Imaging Center (<http://bioimaging.caltech.edu/>) are highly interdisciplinary endeavors with biologists, chemists, physicists, and engineers working on a number of animal models of disease and developmental processes. We are interested in an individual who is firmly grounded in NMR theory and practice with an interest in applications in neurobiology. This work will involve various MR methodologies in rodent model systems; including fMRI, DTI and tract tracing with Mn²⁺ enhanced MRI, as well as simultaneous μ MR/ μ PET imaging. Small animal MRI facilities at Caltech include a 11.7T/89mm scanner and a 7T/30cm scanner with μ PET insert. There are also extensive facilities for all aspects of MRI hardware development and data analysis.

Interested persons should email or mail a biosketch including names, addresses, & email addresses of three references to

Russell E. Jacobs, PhD
m/c 139-74 Caltech
1200 E. California Blvd
Pasadena, CA 91125-7400
rjacobs@caltech.edu