



POSTDOCTORAL RESEARCH FELLOWS – ULTRA-HIGH FIELD STRUCTURAL AND FUNCTIONAL MRI

Athinoula A. Martinos Center for Biomedical Imaging
Massachusetts General Hospital
Harvard Medical School

Post-doctoral research positions in ultra-high field (UHF) MRI/fMRI are available at the Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital (MGH). The successful candidates will be working in the laboratory of Dr. Anna Blazejewska on the NIH BRAIN Initiative funded research combining high-resolution *in vivo* and *ex vivo* imaging techniques to enhance neuronal specificity of functional MRI signals.

Depending on the candidate's scientific background and interests, they will design and conduct human MRI/fMRI experiments, develop advanced acquisition and analysis techniques for high-resolution UHF MRI data, handle and image *ex vivo* human brain tissue samples. The research will be carried out using state-of-the-art neuroimaging facilities of the Martinos Center including two 7T MRI scanners, in collaboration with the members of MR Physics and Instrumentation Group and Laboratory for Computational Neuroimaging.

A Ph.D. (or equivalent) in Neuroscience, Medical Physics, Biomedical Engineering, or a related field is required for these positions. The ideal candidate would have experience in acquisition and analysis of anatomical and functional MRI data, as well as strong skills in computational methods and programming. Background in *ex vivo* imaging or vascular MRI is considered a plus. Candidates should be highly motivated, demonstrate strong oral and written English communication skills, and have the ability to work effectively independently and as part of a fast-paced multidisciplinary scientific environment.

APPLICATION

Interested applicants should send a cover letter describing their research experience and interests, a curriculum vitae, and contact information for three references to Anna Blazejewska, Ph.D. via email (ablazejewska@mgh.harvard.edu). Questions and informal inquiries regarding the positions should also be directed to this email address.

The positions are full-time with benefits and available immediately. A two-year time commitment is expected with a possibility for extension based on performance and the availability of funding. Salary will be based on qualifications and experience. The Massachusetts General Hospital and Harvard Medical School are equal opportunity/affirmative action employers with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are especially encouraged for these positions.