



POSTDOCTORAL POSITION

Biomedical Image Computing Group

University of Washington, Seattle, WA.

Departments of Pediatrics, Bioengineering and Radiology

www.depts.washington.edu/bicg

The Biomedical Image Computing Group (BICG) at the University of Washington has an opening for a postdoctoral fellow. The focus of our work is the development and application of new mathematical and computational algorithms to acquire, process and analyze biomedical imaging data of the developing brain.

The postdoctoral researcher will be involved in a multi-disciplinary project developing techniques for motion correction, reconstruction and analysis of fMRI and DTI data in prenatal and neonatal studies of early brain development. Candidates for the postdoctoral position must have a PhD degree in Engineering, Computer Science, Applied Mathematics or a related field. Valuable skills for the position include: Numerical algorithm development (3D,4D geometry, optimization, spatial statistics etc), programming (C++, Octave, R, openmp) under linux, and previous general experience in medical image processing and analysis.



The development of white matter connectivity from a region in the corpus callosum, imaged in-utero using motion corrected DTI studies of the fetal brain covering a gestational period of 50 days.



Situated in the Pacific Northwest, the University of Washington offers a unique research location that combines a large campus university having world leading departments including computer science and engineering, with world leading biomedical research labs at the nearby Warren G. Magnuson Health Sciences Building and a research and teaching

hospital at the University of Washington Medical Center. Seattle is also home to high technology companies including Microsoft, Boeing and Amazon. Around the Seattle area are the many islands of Puget Sound and the unique Olympic and Cascade Mountain ranges and National Parks offering numerous opportunities for outdoor recreation including hiking, biking, camping and skiing.

For further information, please contact us by email:

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