



BNAC
Buffalo Neuroimaging Analysis Center

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100 High Street ❖ Buffalo, NY 14203
TEL: 716.859.7040 ❖ FAX: 716.859.7066
www.BNAC.net

Postdoc Position at the Buffalo Neuroimaging Analysis Center

The Buffalo Neuroimaging Analysis Center (BNAC), an interdisciplinary organization that is part of the Department of Neurology of The State University of New York at Buffalo (www.bnac.net), is looking for a post-doctoral fellow to be part of upcoming studies combining novel PET tracers with other imaging modalities to understand the pathology and progression of multiple sclerosis and other neurological diseases and disorders.

Ideal start date is June 2021. The research program will be conducted at the University at Buffalo, Buffalo, NY, under the supervision of Professor Robert Zivadinov and Associate Professors Michael Dwyer and Ferdinand Schweser. The candidate will be part of ongoing and new collaborations and be able to work in a stimulating and inspiring environment. The fellow is expected to work closely with the team to plan and apply state-of-the-art PET approaches and fusion with MRI and other modalities. In addition, he/she will have the opportunity to develop new skills, analyze datasets, apply for grants, and develop a strong network of collaborations.

The BNAC team includes neurologists, computer scientists, MR physicists, and many others working to uncover new ways to use neuroimaging to extend the boundaries of our current knowledge about neurological diseases and disorders like multiple sclerosis, Alzheimer's disease, Parkinson's disease and stroke among others. The BNAC is equipped with multiple 3T MRIs with active research agreements, a 9.4T Bruker MRI with CryoProbe and a prototype microPET insert, and a dedicated PET/CT research scanner.

Requirements:

- Ph.D. in neuroimaging, computer science, biomedical engineering, neuropsychology, physics, statistics, or a related field
- Experience in statistical techniques, programming, and scripting
- Substantial experience with PET imaging acquisition and analysis
- Good record of scientific publications

Additional preferred qualifications:

- Experience with structural MRI, DTI, and/or fMRI
- Clinical or research experience with aging and/or neurodegenerative disorders
- Pre-clinical experience with MRI, CT, and/or PET image analysis

To apply please contact Devon Oship at doship@bnac.net.