



Post-doctoral Fellowship in Advanced Diffusion MRI of Aging & Alzheimer's Disease

We invite applications for a 2-year postdoctoral position within a highly interdisciplinary lab investigating brain aging and Alzheimer's disease. The Fellow will take a lead role in analyzing and publishing data from our NIH-funded project that uses diffusional kurtosis imaging and fiber ball imaging to investigate microstructural changes in preclinical Alzheimer's disease. The Fellow will join an inter-disciplinary group of researchers with expertise in Alzheimer's disease, neuropsychology, neuropathology, MRI physics, image analysis, computer science, and biostatistics. MUSC is located in downtown Charleston, South Carolina, notable for a mild climate, beautiful beaches, and a high quality of life. Competitive compensation will be commensurate with experience.

MINIMUM REQUIREMENTS:

- Ph.D. in neuroscience, biomedical imaging, psychology, or related disciplines
- Previous publications using MRI data

EXPECTED RESPONSIBILITIES:

- Analyze human MRI data using various software tools
- Take a lead role in the preparation of scientific manuscripts
- Conduct statistical analyses
- Assist with the organization of participant data
- Participate in grant and laboratory management (e.g., preparing progress reports, presentations, attending meetings)

ADDITIONAL HIGHLY DESIRED QUALIFICATIONS:

- Background knowledge of brain aging and/or Alzheimer's disease
- Experience with analyzing diffusion MRI data
- Interest in career development opportunities in academic medicine

Applications must include: (1) A cover letter directly addressing the job requirements and responsibilities, (2) a CV, and (3) a list of three references. These should be emailed as PDF attachments to benitezlab@musc.edu with "Post-doc Application" in the subject line. Applicants from under-represented populations in biomedical research are strongly encouraged to apply. Applicants will only be contacted if offered an interview, which will be conducted via videoconferencing.