Postdoctoral Research Associate – Dynamic MRI of Speech
University of Wisconsin - Madison

The Waisman Laboratory for Brain Imaging and Behavior at the University of Wisconsin – Madison has an opening for a postdoctoral level researcher to develop MRI technologies for characterizing the biomechanics of speech. This position will be part of the Waisman Laboratory for Brain Imaging and Behavior (brainimaging.waisman.wisc.edu) in the lab of Dr. Andrew Alexander, which includes a multidisciplinary team of imaging scientists, physicists, computer scientists, and neuroscientists. The project is funded for two years via an internal UW-Madison grant in collaboration with a team in the Departments of Linguistics and English at UW-Madison. The project will utilize a research-dedicated 3T GE MR750 scanner and extensive computing facilities.

Requirements: A highly motivated and independent PhD researcher with a background/degree in Physics, Engineering, Imaging Science or relevant field. Strong knowledge of MRI physics and pulse sequences is essential. Must have strong communication skills in verbal and written English. The ideal candidate will have significant experience with pulse sequence programming (ideally using GE EPIC) and image reconstruction, particularly with non-Carteisan (e.g., spiral) and constrained reconstruction methods. Prior experience related to speech imaging is highly desirable.

Interested applicants should submit a cover letter outlining relevant research interests and experience, a current curriculum vitae, and contact information for three references. Please submit materials (in a single PDF document) to alalexander2@wisc.edu with "Dynamic Speech MRI Post-Doc" in the subject header.