

Postdoctoral Fellow position available at Albert Einstein College of Medicine in NYC

The departments of Neuroscience (Dr. Elyse Sussman) and Radiology (Dr. Mark Wagshul) at the Albert Einstein College of Medicine in New York City are seeking a full-time postdoctoral research associate to work on an NIH-funded project exploring the neural bases of chemotherapy-induced cognitive deficits (chemobrain) in survivors of childhood leukemia. The project employs both EEG-based and fMRI-based methods to elucidate the cognitive pathways driving chemo-related cognitive dysfunction in children ages 5 – 12 years. The position is available starting June 2021; candidates are expected to be able to commit to join for the duration of the project through March 2025.

Successful candidates for the position will have a PhD in physics, biomedical engineering, neuroscience or a related discipline, a strong background in either cognitive neuroscience or MRI physics, expertise in image and EEG data processing, as well as data and statistical analysis. Programming experience should include the commonly used packages for image and EEG processing, such as C++, Matlab, and FSL. The candidate should have significant experience in event-related potential (ERP) data collection and analysis methods and/or imaging in a clinical setting and a strong background in the development and/or application of novel methods for human brain imaging, such as DTI / fMRI / structural MRI data analyses. Candidates with experience only in EEG-based or fMRI-based methods will be considered if they can demonstrate through experience or letters of reference that they are able to quickly and independently master new techniques and methods of analysis. The candidate will allocate equal amounts of time to the EEG and MRI labs. Prior experience with auditory-based ERP/fMRI is not necessary, but candidates with such experience will be given preference. A strong work ethic, excellent organizational and communication skills, and ability to work independently is expected. Previous experience working with child populations is a plus. The candidate will be expected to be involved in all aspects of the project, including EEG, image and data analysis, statistical analysis, as well as interfacing with the clinical team. Competitive salary and benefits will be offered based on qualifications.

The Gruss MRRC is located on the main campus of the Albert Einstein College of Medicine in Bronx, NY. The Center has a multinuclear 3.0 Tesla Whole Body Philips Elition human system and a 9.4 T Direct Drive Varian animal system. Image processing facilities including a computing cluster, multiple Linux workstations and PCs with imaging and general software installed. Please visit our website for more details (<http://www.einsteinmed.org/centers/gruss-magnetic-resonance-research/>).

The Albert Einstein College of Medicine is a leading academic institution, with over \$170M in NIH funding. The candidate will have access to state-of-the-art brain imaging (MRI, EEG) and computing facilities. Einstein is one of the nation's premier institutions for medical education, basic research and clinical investigation. It is home to some 2,000 faculty members, 750 M.D. students, 350 Ph.D. students attending the Sue Golding Graduate Division — including 125 in the combined M.D./Ph.D. program — and 325 postdoctoral investigators training at our Belfer Institute for Advanced Biomedical Studies. More than 7,000 Einstein alumni are among the nation's foremost clinicians, biomedical scientists and medical educators.

Interested candidates should send their CV, a brief statement of their research interests and career goals, and the names and phone numbers of three references to:

Mark Wagshul (mark.wagshul@einsteinmed.org) or Elyse S. Sussman (elyse.sussman@einsteinmed.org).
Review of applications will begin immediately and continue until the position is filled.

The Albert Einstein College of Medicine is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information. Einstein seeks candidates whose skills, and personal and professional experience, have prepared them to contribute to our commitment to diversity and excellence, and the communities we serve.