Associate Research Scientist – MRS Methods Development

The Yale University Magnetic Resonance Research Center (MRRC) is looking for an enthusiastic individual to fill a full-time position of Associate Research Scientist with an emphasis on MRS method development on Siemens MR scanners.

The Yale MRRC is home to ten research MR scanners, including a 7 T Siemens Magnetom, several 3 T Siemens Prisma scanners and three preclinical Bruker systems. The MRRC provides a stimulating environment with 15 independent faculty that pursue a wide range of MR applications with a strong emphasis on functional MRI, metabolic imaging and MR spectroscopy.

The position will initially be focused on programming pulse sequences and processing pipelines on the Siemens 3 T and 7 T platforms. In particular, methods related to deuterium metabolic imaging (DMI), indirect carbon-13 MRS and proton MR spectroscopic imaging will take precedence.

The ideal candidate would have a Ph.D. or similar degree in computer science, electrical engineering, biomedical engineering, physics or similar fields with proficiency in Siemens IDEA pulse sequence and reconstruction programming. Experience with Matlab programming, MRI and MRS acquisition and processing methods, high-field and X-nuclei MRS is desirable.

Interested candidates should email to Robin de Graaf (robin.degraaf@yale.edu) or Douglas Rothman (douglas.rothman@yale.edu) with a cover letter highlighting their education and work experience along with current CV and contact details of 3 references.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.