



# University of Pittsburgh

DEPARTMENT OF PSYCHIATRY

**Postdoctoral Research Associate in Development and Application of MR Spectroscopy**  
Department of Psychiatry, School of Medicine, University of Pittsburgh, Pittsburgh, PA, USA

The University of Pittsburgh School of Medicine is currently seeking a highly motivated Postdoctoral Research Associate to join our team in the Department of Psychiatry for Development and Application of Magnetic Resonance Spectroscopy (MRS). The successful candidate will develop human MRS data acquisition at 7T and associated spectral analysis methods in investigation of neuropsychiatric disorders. If interested, the candidate will also have a chance to contribute to ongoing research projects utilizing MRI at 7T.

Training or experience in MRS and/or MRI is a must. Strong background in MR physics and/or signal processing, computer programming skills (C, C++, Matlab, Python), and technical writing skills are desired. Experience with MR pulse sequence programming is a plus and experience on Siemens scanners is preferred. The successful candidate must be self-motivated and capable of working independently.

The work will primarily be performed on a Siemens 7T human MRI scanner and, if needed, on three state-of-the-art Siemens Prisma 3T human MRI scanners.

Interested candidates should contact Dr. Shaolin Yang at [yans@pitt.edu](mailto:yans@pitt.edu) or [shaoliny@upmc.edu](mailto:shaoliny@upmc.edu) with CV, a statement of research interest and plan, and three references.

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