The Cohen lab at Memorial Sloan Kettering Cancer Center (MSK) is offering two postdoctoral research fellow positions in quantitative Chemical Exchange Saturation Transfer (CEST) MR Fingerprinting (MRF). The successful candidates will work under the supervision of Dr. Ouri Cohen.

The main goal of the position is to develop CEST-MRF methods for response assessment in stereotactic radiosurgery (SRS) applied to brain metastases. This includes a combination of pulse sequence programming, optimization, and new machine/deep learning image reconstruction algorithms as well as application of developed technology to clinical cancer cases, in collaboration with neuroradiologists. More information can be obtained at [http://cohen-lab.org](http://cohen-lab.org).

The selected candidate will have the opportunity to work in a multidisciplinary group including physicists, engineers, computer scientists and clinicians in the departments of Medical Physics and Radiology at one of the world leader institutions in clinical cancer care and research.

Salary will be commensurate with experience and the cost of living in New York City. Subsidized housing close to the MSK campus is available.

**Facilities:** The Cohen lab has substantial research time at clinical MRI scanners in the Department of Radiology, including state-of-the art 1.5T and 3T GE scanners and a 3T PET-MR GE scanner. The group also has access to high performance computer servers with multiple GPUs for image reconstruction and analysis tasks.

**Requirements:** Candidates should have a PhD in Physics, Engineering or Computer Science. Background in MRI physics, pulse sequence programming in GE EPIC, optimization methods and deep learning is a plus. Strong programming skills (Python, C/C++, Matlab etc.) and excellent verbal and written communication skills are required.

**To apply:** Please submit a CV and brief research statement to:

Ouri Cohen, PhD
coheno1@mskcc.org

MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation,
national origin, age, religion, creed, disability, veteran status or any other factor which cannot lawfully be used as a basis for an employment decision.