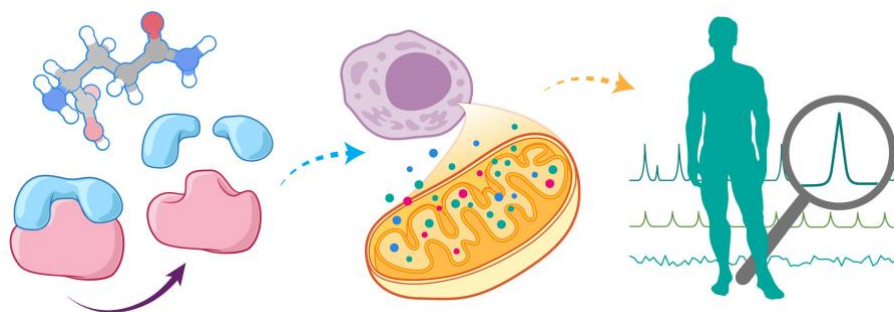




Memorial Sloan Kettering
Cancer Center

Metabolic Imaging Post-doctoral fellowship



Memorial Sloan Kettering Cancer Center is the world's oldest and largest private cancer center. Housed in MSK is a wide range of basic and translational research labs geared toward paradigm shifting interdisciplinary science. We are seeking highly motivated postdoctoral fellows who are interested in MR physics and *in vivo* metabolism in an interdisciplinary cancer research setting while living in the heart of Manhattan.

Our lab's primary research in the Sloan Kettering Institute is aimed at better understanding cancer metabolism *in vivo* using a wide range of approaches. Using these strategies our goal is to not only better understand cancer but also develop strategies to treat it.

In this fellowship, you will work on a project to dive deeper into our methods to non-invasively image metabolism from preclinical animal models to humans. You will leverage exciting approaches, including hyperpolarized magnetic resonance to better understand cancer metabolism as well as collaborate with both basic scientists and clinicians to explore new ways to treat cancer. This is built on many years of the lab's work in metabolic imaging as well as translation of these approaches. Using novel approaches in magnetic resonance imaging, we can address many challenging questions in the setting of disease, **do changes in metabolism predict onset of disease or response to therapy? Can we better understand mechanistically how metabolic processes are controlled in vivo? Can we push our approaches to achieve higher spatial resolution and understand the tumor ecosystem?**

Candidates with Ph.D. training in physics, bioengineering, analytical chemistry or equivalent disciplines are strongly encouraged to send an application. For more information visit us on twitter (@KeshariLab), our lab website (<https://www.mskcc.org/research/ski/labs/kayvan-keshari>), or email Prof. Kayvan Keshari (rahimikk@mskcc.org).

For interested applicants, please send as one file:

- Cover letter indicating current and future research interests as well as your motivation for joining our team
- *Curriculum vitae*
- Brief summary of previous research experience
- Names and contact information for at least 2 references