

Iron Oxide Nanoparticle MR Lymphangiography



Postdoctoral Position in lymphatic imaging with MRI

A full-time postdoctoral scholar position is open for those interested in lymphatic imaging research utilizing MRI and a large animal model of lymphatic obstruction. The scholar will work closely with Dr. Andreas Loening, as well as additional members of our team (Drs. Anita Mohan, Stanley Rockson, Ali Syed, Michael Lustig, Jianghong Rao). The initial appointment is for 1 year with an expected renewal for a 2nd year based on mutual agreement. Start date as soon as Oct 1, 2025

Our team focuses on advancing the state of the art in MRI lymphangiography (MRL). Elements of our team's projects include 1) Developing techniques for noncontrast MRI assessment of lymphatic flow, 2) Advancing methods for contrast-enhanced MRL, 3) Creating ideal contrast agents for MRL, and 4) generating phantom and animal models for MRL optimization and validation. The postdoctoral scholar will be primarily in charge of the large animal model development and leveraging this model to evaluate the MRI technologies developed by the other team members, although there will be multiple opportunities and sufficient time for the scholar to expand their work beyond their primary project.

Our team is collaborative, and the principal investigators are experienced mentors committed to supporting the scholar in their transition into a fully independent investigator. This postdoctoral fellowship position will be within the Stanford Department of Radiology (Body MRI Division) and located in the Lucas Research Center, and will have connections to both the Molecular Imaging Program at Stanford (MIPS) and the Radiological Sciences Laboratory (RSL).

The ideal candidate for this position will have interest in being trained in large animal models, lymphatic research, and MRI. The scholar will be supported by radiologists (MRI studies and imaging evaluation), MR physicists (novel sequence design), plastic surgeons (lymphatic surgery), MR technologists (MRI studies), and dedicated veterinary technologists.

Group or Departmental Websites:

<https://profiles.stanford.edu/andreas-loening>

<https://med.stanford.edu/mips.html>

<https://med.stanford.edu/rsl.html>

Required Qualifications: Doctoral Degree (PhD, MD, or equivalent) conferred by start date.

How to Apply: Please submit a curriculum vitae, a brief cover letter (describing your interests in this position, relevant experiences related to this position, and your long term goals), and contact information for at least two references by email to Andreas Loening (loening@stanford.edu)

Stanford is an equal opportunity employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law.