

Postdoctoral Positions in Molecular Optical Imaging @ RPI

The Center for Modeling, Simulation, and Imaging in Medicine (CeMSIM) at Rensselaer Polytechnic Institute has a postdoctoral position available immediately. We are looking for candidates with experience and interests at the intersection of molecular optical imaging, drug delivery assessment and artificial intelligence to work on NIH/NIC funded projects monitoring *in vivo* drug-target engagement using macroscopic fluorescence lifetime imaging.

The successful candidate will be joining a diverse team performing cutting-edge research at the intersection of AI, optical instrumentation, fluorescence lifetime imaging, Förster resonance energy transfer and preclinical cancer studies. We are collaborating with biologists, physicians and researchers from some of the best institutions in the world and investigating targeted drug delivery.

This is an excellent opportunity for aspiring researchers who want to contribute to the fundamental research projects with deep societal impact.

Minimum qualifications:

Candidates must possess, at minimum, a PhD Degree or an equivalent degree in a technical/analytic area including, but not limited to, biomedical engineering, computer science, electrical/optical engineering.

Minimum Knowledge, Skills, and Abilities:

- Experience in fluorescence imaging
- Experience in Deep Learning
- Excellent interpersonal skills
- Analytic, reasoning and problem-solving skills

Preferred Knowledge, Skills, and Abilities:

- Knowledge of fluorescence lifetime imaging
- Experience with experimental data processing
- Optical tomography
- Experience with Matlab and Python
- Experience with high impact peer-review paper and grant writing

Location:

The position is in Troy, NY. Founded in 1824, Rensselaer is the first technological university in the English-speaking world. It is a private research university located in historic Troy, New York, which is part of the greater capital region of New York that includes Albany, the capital, and Schenectady.

How to apply:

Please apply by sending your resume, a cover letter, and contact information for at least three references to intesx@rpi.edu. We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer's work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.