

Introduction

We are QTIM (<https://qtim-lab.github.io>)— the Quantitative Translational Imaging in Medicine Lab at the Division of Artificial Medical Intelligence at the University of Colorado (CU) School of Medicine. Our team is a powerhouse of inter-disciplinary talent, comprising researchers from renowned institutions such as Harvard, MIT, Oxford, UCL, and CU Boulder. Our ranks include clinical ophthalmologists, computer and imaging scientists, programmers, and biomedical engineers. Together, we're forging ahead in the development of state-of-the-art machine learning algorithms and software tools.

Postdoctoral Researcher - Machine Learning in Ophthalmology

You will be working in our growing Division of Artificial Medical Intelligence in Ophthalmology at The University of Colorado (CU) School of Medicine, focusing on developing novel machine learning algorithms and related systems for applications in medical imaging. By collaborating closely with clinicians to facilitate deployment of AI into clinical practice, you will be helping to build solutions to real-world problems.

Essential Criteria

- PhD in computer science or related discipline such as mathematics, engineering or physics
- Experience in image processing or computer vision techniques
- Proficiency in Python, C++, or other languages such as MATLAB and R
- Comfortable using Linux environments and the terminal for running jobs non-interactively

Desirable Skills

- Familiarity with machine learning and deep learning packages such as PyTorch and TensorFlow
- Experience in working with medical images, particularly fundus photography and optical coherence tomography
- Experience in using containerization software such as Docker

Why work with us?

Collaboration and teamwork are core values of our lab. Together, we believe our interdisciplinary team can revolutionize clinical practice through cutting-edge AI and machine learning algorithms by harnessing a diverse array of patient data. By elevating clinical decision-making, we hope to create a future where clinicians are empowered in their decision making to the benefit of their patients.

Beyond the world of research, our location offers a lifestyle unlike any other. If you have a passion for hiking, skiing, climbing, and exploring the breathtaking Rocky Mountains, you've found your perfect match.

How to apply

For more information or to express your interest, please do not hesitate to contact us. Send your resume and a compelling cover letter to:

Jayashree Kalpathy-Cramer: jayashree.kalpathy-cramer@cuanschultz.edu

Steve McNamara: steve.mcnamara@cuanschultz.edu.

Praveer Singh: praveer.singh@cuanschultz.edu

We are an equal opportunity employer and value diversity. We also know that the work of diversity and anti-discrimination extends past choices in hiring. We work every single day to make our lab an equitable and productive space for everyone, regardless of their race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.