Cleveland Clinic Children's
Center for Artificial Intelligence (C4AI)

Research Fellowship with Focus on Artificial Intelligence

The Cleveland Clinic Children's Center for Artificial Intelligence (C4AI), as part of the Pediatric and Adult Congenital Heart Center (PACHC) and in conjunction with the Heart, Vascular, and Thoracic Institute (HVTI), the HVTI Cardiovascular Outcomes Research and Registries (CORR), and the HVTI Cardiovascular Innovation Research Center (CIRC), are seeking a research fellow with interest in applying artificial intelligence and machine learning to clinical problems in pediatric and adult congenital heart disease. Sample projects include multimodal artificial intelligence combining ECG and imaging; detection of low cardiac output syndrome; and exploring the use of wearable biosensors. This position would be under the supervision of Animesh (Aashoo) Tandon, MD, MS; Tara Karamlou, MD, MSc; Orkun Baloglu, MD; Samir Latifi, MD; and Bradley Marino, MD, MPP, MSCE, MBA.

This unique position benefits from the tight link between C4AI, PACHC, CORR, and CIRC. The candidate will interact with both technical and clinical partners to improve patient care through novel technologies. There will also be opportunities to interact with the Cleveland Clinic environment at large, including the Cleveland Clinic-IBM Discovery Accelerator program.

Applicants may consider this position if they want to add a significant research experience before applications to residency or fellowship training. Applicants must have completed an MD degree or equivalent. The training could have been in the United States or international. For non-US citizen applicants, H1b visa options will be available. This research fellowship position would not be governed by ACGME.

There would be opportunities for hybrid work, but the expectation would be that the candidate would be physically present in Cleveland, Ohio, US. This is a paid position, with salary and benefits commensurate with experience.

The Pediatric and Adult Congenital Heart Center at Cleveland Clinic currently ranks in the top 10 in US News and World Report and has world-class expertise in cardiac intensive care and wearable biosensors in congenital heart disease. We have unique data collection infrastructure and access to the necessary computational resources.

The Heart, Vascular, and Thoracic Institute (HVTI) at Cleveland Clinic is consistently top-ranked in US News. There is a substantial research footprint at HVTI, including CORR and CIRC. There is research related to rapid clinical translation of cutting-edge technologies including but not limited to advanced imaging, artificial intelligence, 3D printing, biomimetic device design, and computer simulation.

How to apply:
Interested candidates should send a one-page statement of research interests & career goals, a full CV, and contact info for two references to Dr. Tandon: tandona2@ccf.org. Questions and informal inquiries are welcome!

We believe that the best science comes from embracing diverse people, skills, perspectives, and ideas. We are an Equal Opportunity Employer. Applicants from all backgrounds are strongly encouraged.