

## **Research Opportunity at Intelligent Medical Image Computing Systems Lab (IMICS Lab)**

At Intelligent Medical Image Computing Systems Lab (IMICS Lab, [imics.ca](http://imics.ca)) at The Hospital for Sick Children, we investigate and develop Artificial Intelligence (deep learning) solutions for precision medicine using medical imaging. Our goal is to design and develop AI-based diagnostic and prognostic tools to augment the ability of clinicians to improve the quality of care for patients. Developing Human-centered and Compassionate AI are two main objectives of our research where the goal is to enable the user to understand and interact with AI, and to use AI to enable equitable access to healthcare for all.

The technical background required for IMICS projects are Machine (Deep) Learning, Computer Vision, Medical Image Analysis, Statistical Analysis, and Natural Language Processing.

Based at SickKids Hospital, IMICS Lab is affiliated with Department of Medical Imaging, Institute of Medical Science, and Department of Mechanical and Industrial Engineering at the University of Toronto.

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