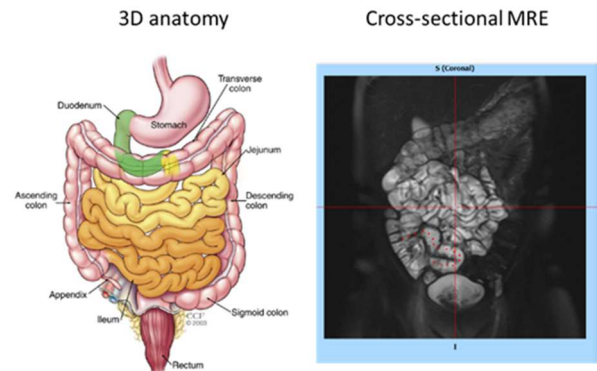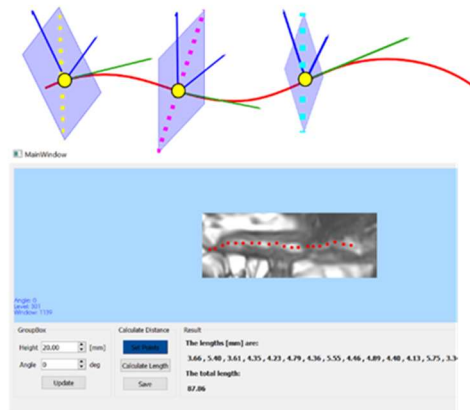# Technion Computational MRI Lab

Improving patient care through better characterization of the underlying physiological and structural factors in human diseases by developing novel deep-learning-based methods for MRI acquisition and analysis.

Experienced Software Programmer

The recently established Technion Computational MRI Lab (TCML) is seeking an experienced **software programmer** interested in furthering cutting-edge computer science research. We are currently developing a 3D processing technique for automatic virtual unfolding and assessing disease extent in Magnetic Resonance Enterography data of Crohn's disease. This work will be done in collaboration with Dr. Anat Ilivitzki from Rambam as we seek to test our methods in a clinical environment.

3D anatomy   Cross-sectional MRE

Multi-planar reformation for disease extent measurement

Requirements for this position include:

- Strong programming skills in Python and GUI programming with PyQT

Advantages:

- Experience in 3D visualization with VTK library, Medical Imaging software development, DICOM image format

The hours of the position are not yet set with the possibility of being part-time.

For further details please contact Dr. Moti Freiman (moti.freiman@technion.ac.il) and visit the TCML website.