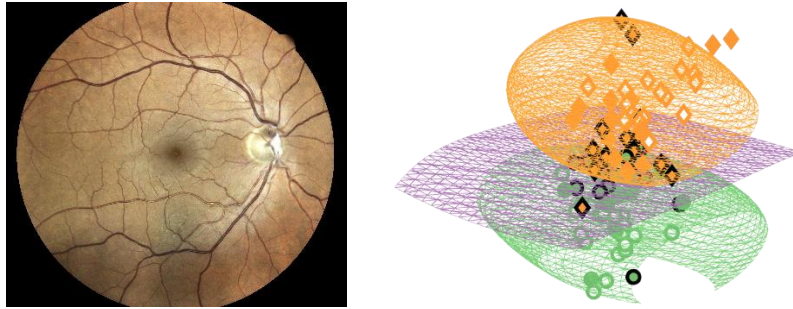


## Machine learning for cardiovascular health prediction from retinal imaging



The Technion [AIMLab.](https://aimlab.technion.ac.il), in collaboration with the [TCML lab](https://tcml.technion.ac.il), is looking for a strong postdoctoral candidate in **signal processing and machine learning** (ML) to work on a unique research project dealing with very large datasets of **retinal images** and towards **cardiovascular health prediction**. This research will encompass aspects of applied ML towards clinical applications, challenges dealing with model interpretability and theoretical ML. The Postdoctoral fellow candidate will have the unique opportunity to work on some of the world largest database of retinal images and interact with local and international hospitals.

A typical candidate for this position will have:

- Prior knowledge and experience in signal and image processing, machine learning and deep learning in particular.
- A strong background in mathematics and computer science or electrical engineering.
- Strong programming skills.
- Self-driven as well as team-player.
- Strong written and oral communication skills in scientific English.

**Environment:** The candidate will be part of the AIMLab. at the Technion, directed by Asst. Prof. Behar. The candidate will be co-supervised by Asst. Prof. Moti Freiman who is directing the Technion computational MRI laboratory. The AIMLab. is currently host to ten graduate students all working in the field of medical machine learning and with a background in Biomedical Engineer, Electrical Engineering or Computer Science. Your research will directly impact healthcare while you will have the intellectual freedom to explore new research paradigms. You will benefit from the mentoring of world-class academics collaborating with the lab including researchers from the Technion, MIT and Georgia Tech in the USA, l'Ecole Polytechnique and INSERM in France, KU Leuven in Belgium, the university of Lund in Sweden and other prestigious organizations.

To apply send your CV and grade sheet to Asst. Prof. Joachim A. Behar:  
[jbehar@technion.ac.il](mailto:jbehar@technion.ac.il)

Work environment:

