

# A new Cancer Bioinformatics lab is now hiring

The Maruvka lab at the Technion has open positions for postdocs, Ph.D. candidates, master students and computational biologists.

The recent drop in the cost of DNA sequencing has enabled the medical and scientific communities to sequence exponentially more cancer samples. Due to this growth in the amount of data, the bottleneck in cancer genomic research is mainly computational. In the Maruvka lab, we are developing new tools to analyze cancer data and are analyzing existing available datasets using big data methods. Our goal is to enable the development of precision treatments.

Two current pursuits of the lab are:

1. Developing blood tests for cancer early detection. The tests are based on an analysis of sequencing data of cell free DNA that circulates in the blood.
2. Developing preventive vaccines against tumors that emerge due to a hereditary cancer predisposition syndrome.

The lab is multidisciplinary and candidates' backgrounds can range from medical studies or basic biology to computer science and applied mathematics or the like.

Applications and CV can be sent directly to: [yosi.maruvka@gmail.com](mailto:yosi.maruvka@gmail.com).

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