



Prof. Yoseph Barash's research focuses on predictive models of RNA biogenesis, regulation, and its role in human disease through his BioCiphers lab, which develops machine learning algorithms integrating genomic data with experimental verification. He earned a B.Sc. in Physics and Computer Science at Hebrew University and a Ph.D. in machine learning under Prof. Nir Friedman, later completing postdoctoral work on RNA splicing at the University of Toronto. His lab has pioneered tools for mapping and quantifying splicing variations, contributing significantly to understanding RNA splicing defects in cancer and other diseases, and has advised several companies in the RNA therapeutics space since 2020.