Nir Friedman is a Professor of Computer Science and Medicine at the Hebrew University of Jerusalem. His major research interests include Chromatin biology, Gene Regulatory Networks, Liquid biopsies, Computational Biology, and Probabilistic Graphical Models. Prof. Friedman has published more than 150 papers in peer-reviewed journals and conferences and co-authored a widely used textbook on probabilistic graphical models. Prof. Friedman pioneered the use of probabilistic graphical models for reconstructing regulatory networks from high-throughput biological assays. His lab is studying molecular mechanisms of transcription and chromatin by combination of novel high-throughput experiments and analysis. More recently his lab innovated new methodology for liquid biopsy through the analysis of cell-free chromatin. He is a co-founder and the CSO of Senseera, a liquid biopsy startup.