

# DR. NOAM AUSLANDER

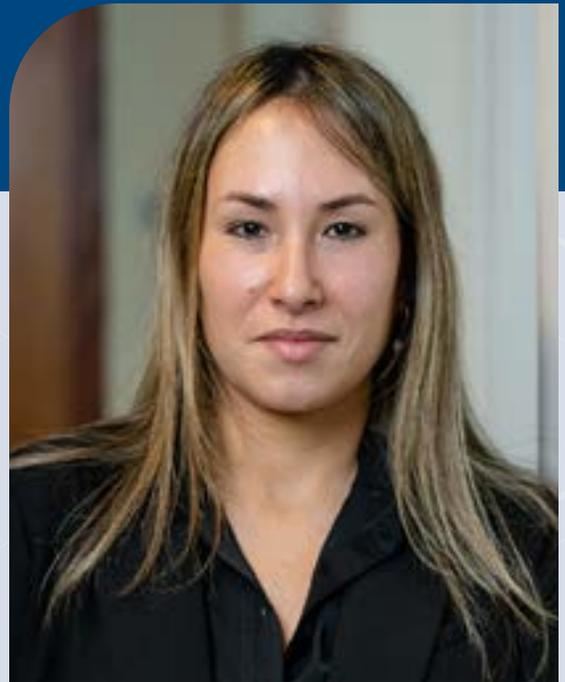
- Assistant Professor, Molecular & Cellular Oncogenesis Program, Ellen and Ronald Caplan Cancer Center

## EDUCATION

- B.S., Computer Science and Biology, Tel Aviv University
- Ph.D. Computer Science, University of Maryland, with a combined fellowship at the National Cancer Institute
- Postdoctoral training in Evolutionary Genomics Research at the National Center for Biotechnology Information (NIH)

## CAREER HIGHLIGHTS

- Focus on developing advanced machine and deep learning methods to identify genetic and infectious factors that drive cancer development and predict patients' prognoses.
- Research focus is addressing the estimated 20% of human cancer cases associated with infections.
- 2023 Michelson Prize awardee, from the Michelson Medical Research Foundation and the Human Immunome Project to support early-career investigators and their work advancing in the immunology, vaccine, and immunotherapy space.
- Develop a new computational technique to uncover gut microbial proteins that predict patient immune responses in melanoma.
- Served in the Elite Computer Unit in the Israeli Defense Forces' Intelligence Corps (2008-2010). Team leader from 2009.



## AVAILABLE FOR MEDIA INTERVIEWS ON

- Use of machine learning techniques to distinguish cancer-specific microbial genomes to identify better diagnostic and prognostic biomarkers for cancer.
- Tools to study the expression of cancer-related viruses through artificial intelligence (AI) (viRNAtrap).
- Development of predictors for melanoma, the deadliest form of skin cancer, with a goal of identifying patients more likely to respond to immune checkpoint inhibitor (ICI) therapy.

## A SAMPLE OF DR. AUSLANDER'S MEDIA APPEARANCES

- Launching the next generation of leaders in science, *Science magazine*, May 5, 2023.
- Artificial Intelligence Meets Immunology, *Michelson Medical Research Foundation*, Feb. 2, 2023

## CONTACT

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