



FELLOW: Eran Hodis, MD, PhD
HOMETOWN: Framingham, MA
MEDICAL SCHOOL: Harvard Medical School
RESIDENCY: BWH



Eran is originally from Framingham, MA. He earned a BA in Mathematics and Biochemistry/Molecular Biology at Boston University, an MSc in Bioinformatics from the Weizmann Institute of Science in Rehovot, Israel, a PhD in Biophysics from Harvard University advised by Drs. Levi Garraway and Aviv Regev, and an MD from the HST program at Harvard Medical School and MIT. Eran completed residency in Internal Medicine at Brigham and Women's Hospital.

Eran is interested in understanding how genetic changes shape cancer formation and tumor properties, with a focus on melanoma, and how such changes may be eventually exploited for therapeutic effect. He enjoys using a combination of computational and experimental genomic approaches. Most recently, he used CRISPR/Cas9 genome engineering to build genetically-precise human cell models of melanoma starting from healthy melanocytes, linking specific melanoma genotypes to phenotypes of interest, in the labs of Drs. Regev and Garraway. Previously he led melanoma genome sequencing studies in Dr. Garraway's lab, developing an algorithm to decipher driver mutations in melanoma against a confounding backdrop of intense ultraviolet light mutagenesis. His work led to the discovery of TERT promoter mutations in melanoma and other cancers.

He is excited to begin training as a hematology/oncology fellow. He finds the clinical care of patients with cancer exceptionally rewarding and looks forward to finding his clinical home during his time in fellowship. He suspects that he will gravitate toward solid tumor oncology, perhaps melanoma, though he aims to remain open in exploring his interests. Eran would like to become an academic physician-scientist, maintaining both a lab and a clinic.

Outside of work, Eran enjoys spending time with his almost-two-years-old son Nadav and wife Sarah. He also enjoys spending time with family and friends, hosting dinners and social gatherings, hiking, skiing, live jazz and blues, traveling, and reading.