**Dr. Tal Falick Michaeli MD, PhD, Bio-Med MBA**

Tal received her scientific, medical and MBA training in the Hebrew University. Based on her academic achievements, she was accepted to the MD-PhD program early on in her studies. She has been awarded several fellowship grants and received an ISF grant this year. Presently, she is a Physician-Scientist Resident in the Oncology Department of Hadassah Medical School. In addition, she performs as head of the new MBA Bio-innovation program at the Hebrew University. Her research and novel discoveries have been published in leading journals, among which one reporting work leading to the generation of a human early-development gestational clock using white blood cell samples and placenta, which was supported by the Bill and Melinda Gates foundation.

Tal's research interests involve the in-depth understanding of epigenetic regulation in tumor formation and regeneration processes. Her PhD work has focused on the effect of pregnancy on the epigenetic response to injury. In this project, significant progress was made in characterizing the epigenetic changes that stem cells undergo as a response to injury. This work was carried out under the supervision of Prof. Yehudit Bergman and Prof. Howard Cedar, both internationally recognized leaders in the field of epigenetics, and Tal continues to collaborate with them in her ongoing research.

Benefitting from her work from bench to bedside, she has been able to formulate new ideas for research that arise in the clinical setting. Her interests focus on deciphering the molecular mechanisms underlying the systemic epigenetic effects in cancer-bearing patients and on transforming this knowledge into therapeutic and diagnostic modalities.