

Department of Biological Regulation and Dwek Institute for Cancer Therapy Research

 ZOOM ON CANCER



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Single Cell Atlases as Roadmaps in Pediatric Cancer

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Thursday 2021

16:00 (Israel time)

Tumors are complex cellular ecosystems, combining malignant and non-malignant cells through spatial, temporal, and functional interaction patterns. The recent advent of high-throughput single-cell and spatial profiling methods has opened the way to create tumor cell atlases as roadmaps to understand how these ecosystems form, sustain tumors' response to therapies and lead to resistance. In this talk, I will focus on how atlases, single cells and spatial genomics help us to decipher cellular ecosystems in patient tumors, dissect the relation between genotype to phenotype in cancer, understand tumor progression and drug resistance, and identify new points for therapeutic interventions across the tumor ecosystem.

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Host

Prof. Ido Amit

HHMI International Research Scholar,
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