

Associate Professor Ruby Shalom-Feuerstein

Prof. Ruby Shalom-Feuerstein earned his BSc on Biology (2000) and his MSc and a PhD on cancer cell biology of Ras oncogenes (Prof. Y. Kloog's lab, 2007), at Tel Aviv University. His postdoctoral research focused on modeling skin and corneal pathophysiology with pluripotent stem cells (Prof. D. Aberdam, France). He established his lab at the Technion – Israel Institute of Technology on 2012 and on 2018 he was promoted as an Associate Professor with Tenure.

His team explores mechanisms of cell fate decision in the context of embryonic development, stem cell biology and pathology. Specifically, his team employs genetic stem cell labeling, mapping of regenerative dynamics in living animals. This strategy revealed new insights on the stem cell location, heterogeneity, and signature, and the remarkable role of the niche in restoring a total stem cell loss.

