The Shraga Segal Department of
Microbiology, Immunology and Genetics

SPECIAL GUEST SEMINAR

Itamar Harel, PhD

Genetic and epigenetic deregulation of chromatin in cancer, the case of Swi/Snf chromatin-remodeling complexes

Assistant Professor, Genetics
Silberman Institute of Life Sciences
The Hebrew University of Jerusalem, Givat Ram, Jerusalem,

May 16th, 2019

Thursday 14:00
Deichmann 301

Experimental biology of vertebrate aging and age-related diseases: http://harel-lab.com/

Itamar Harel received his PhD in developmental biology at the Weizmann Institute of Science, and then trained in aging research at Stanford University. In 2018 he joined the Department of Genetics at the Hebrew University as Assistant Professor. To address a major challenge in aging research - the lack of short-lived vertebrate genetic model - he developed a comprehensive genetic platform for rapid exploration of aging and disease in the African turquoise killifish. This genome-to-phenotype platform includes a sequenced genome, CRISPR/Cas9-based genome editing, and mutant fish for many aging- and disease-relates genes. The Harel lab is exploring fundamental questions in aging biology, such as why is aging such a strong driver of disease? And what is the molecular basis behind the outstanding diversity of vertebrate lifespan (which can reach differences up to 1000-fold).

Host:
Tomer Cooks, Cooks@post.bgu.ac.il