SACKLER FACULTY OF MEDICINE
TEL AVIV UNIVERSITY

הפקולטה לרפואה
ע"ש סאקלר
אוניברסיטת תל אביב

You are cordially invited to a special seminar of the
Department of Human molecular Genetics and Biochemistry
Department of Cell & Developmental Biology
Department of Pathology

By:

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Department of Medicine
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Title:

"Transcriptional Regulation of Hemato-Vascular Cell Fate Plasticity"

Abstract: Recent studies in the reprogramming field have delivered a proof of principle evidence that direction of cellular fate transition can be reproduced in adult cells by application of transcription reprogramming factors. The haemato-vascular system is composed of endothelial cells which build up the vascular network of blood vessels, and of hematopoietic immune and red blood cells. Currently, the genetic programs and transcriptional elements which regulate the plasticity of vascular and hematopoietic cells during health and disease, are less understood. Elucidation of the basic biological genetic networks and programs that are regulated by haemato-vascular transcription factors will provide us with the knowledge and the tools to design translational approaches to manipulate haemato-vascular cell fate and to treat different hematological, malignant, and vascular pathologies. The role of hemato-vascular transcription factors in dictating endothelial and hematopoietic stem cell physiological states, and strategies to harness these transcription factors for humanized translational models will be discussed.

The Seminar will take place on
Tuesday, January 17th, 2023 at 12:15
At the Sackler Faculty of Medicine Building, Room 119