

EpiSyStem: Bioinformatics Workshop

Istanbul, 11-14 of November, 2018

Venue – Acibadem University, Kayisdag Cad. No 32 Atasehir istanbul

Accommodation - Marriott Asia, Kayisdagi Caddesi No 3 Atasehir, Istanbul

Sunday, November 11th

14:00-14:10 Welcome and Opening remarks: **Eran Meshorer, Ugur Sezerman**

14:10-14:15 Management and organizational notes, **Eitan Segev**

Session 1, Chair: Eran Meshorer

14:15-14:45 **Ugur Sezerman**, EpiGenetiks, Turkey: *Identification of Disease Aetiology from Pathway Based Analysis of 'Omics' Data*

14:50-15:20 **Giuseppe Testa**, University of Milan, Italy: *Cell by Cell: Organoid-based Disease Modelling at Single Cell Resolution*

Session 2, Chair: Oren Ram

15:30-16:10 **Nurhan Ozlu**, Koc University, Istanbul, Turkey: *Proteomic Analysis of Epithelial Mesenchymal Transition*

16:15-16:45 **Eran Meshorer**, The Hebrew University of Jerusalem, Israel: *Dynamic Exchange of Histone Variant H3.3 in Stem Cells and Cancer*

16:50-17:20 **Hilal Kazan**, Antalya Bilim University, Turkey: *Modeling the combined regulation of RBPs, miRNAs and lncRNAs in post-transcriptional regulation*

17:25-17:55 **Cedric Boeckx**, ICREA Barcelona, Spain: *A Few Lessons from Paleogenomes*

18:00-22:00 Boat trip to Bosphorus + Dinner

Monday, November 12th

9:00-9:45 Morning Lecture: **Liran Carmel**, The Hebrew University of Jerusalem, Israel: *The Genetics of Bronze and Iron Age populations from the Levant*

9:45 – 13:00 Hands-on tutorial: Introduction

13:00-14:00 Lunch

14:00-14:45 **Öznur Taştan**, Sabancı University, Istanbul, Turkey: *TBD*

14:45- 18:00 Hands-on tutorial: ChIP-seq, DNA methylation (WGBS)

Free evening (social gathering with local students)

Tuesday, November 13th

8:30-9:15 Morning Lecture: **Oren Ram**, The Hebrew University of Jerusalem, Israel: *Single Cell Technologies*

9:15 – 11:30 Hands-on tutorial - Transcriptomes / RNA-seq

11:30-12:30 Lunch

12:30-13:15 **Burcu Bakir-Güngör**, Abdullah Gül Üniversitesi, Istanbul, Turkey: *Paths Toward the Comprehensive Functional Enrichment of Multi-omics Data*

13:15-15:30 Hands-on tutorial: Multi-level analyses of next generation sequencing

15:30 -19:00 Blue Mosque, Haiga Sophia and underwater cistern visit

19:00 Dinner and Dancing

Wednesday, November 14th

9:00-9:45 Morning Lecture - **Alberto Gatto**, Institut Curie, France: *Functional genomics demystified: the logic and basics of sequencing data processing*

9:45 – 13:00 Hands-on tutorial: Chromatin accessibility maps (ATAC-seq / MNase-seq)

Departure