



GSI
The Genetic
Society of Israel



The 6th Graduate Student Conference in Genetics, Genomics and Evolution

September 18th, 2017

- 08:30-09:00 Registration and Coffee**
- 09:00-09:15 Opening Remarks**
- 09:15-10:15 Keynote Lecture “Genetic media”**
Prof. Yaniv Erlich, Chief Science Officer, MyHeritage
- 10:15-11:00 Session 1 - Human Genetics and Genomics**
Chair- Prof. Sol Efroni, Bar-Ilan University

Environmental factors dominate over host genetics in shaping human gut microbiota composition

Daphna Rothschild, Weizmann Institute of Science

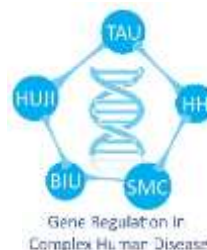
TCR repertoires of healthy individuals contain public T cells that are associated with various pathologies

Nili Tickotsky, Weizmann Institute of Science

Modeling high risk acute leukemia with combined myeloid and T-cell phenotype caused by the TEL-TIF2 (ETV6-NCOA2)

Hila Fishman, Tel Hashomer, Tel Aviv University

11:00-11:30 Coffee Break





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11:30-12:30 Session 2 - Evolution
Chair- Dr. Adi Livnat, Haifa University

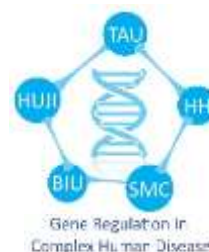
Structural evolution of human SRGAP2 proteins
Michael Sporny, Bar-Ilan University

Diving into the unknown – examination of a novel virus using evolutionary experiments
Talia Kustin, Tel Aviv University

Genome-wide analysis of Miniature Transposable Elements (MITEs) in Triticum and Aegilops
Danielle Keidar-Friedman, Ben-Gurion University

Human primitive brain displays negative mitochondrial-nuclear expression correlation of respiratory genes
Gilad Barshad, Ben-Gurion University

12:30-14:00 Lunch and Poster Session





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14:00-14:30 Session 3- Lightning Talks

Chair- Prof. Dan Mishmar, Ben-Gurion University

Sexual dimorphism in the immune system transcriptome
Shani Gal-Oz, *Ben-Gurion University*

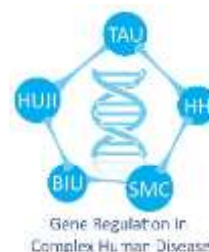
Crossing the species barrier: evolutionary rate shifts unveil different adaptation strategies in HIV-1 and SIV
Maoz Gelbart, *Tel Aviv University*

Different translation initiation mechanisms among chloroplast genes
Weiner Iddo, *Tel Aviv University*

Inherited mutations in the DNA helicase RTEL1 compromise telomere elongation by telomerase in Hoyeraal-Hreidarsson syndrome
Aya Awad, *The Hebrew University of Jerusalem*

Dual role of starvation signaling in promoting growth and recovery
Yonat Gurvich, *Weizmann Institute of Science*

SELMAP - SELEX affinity landscape MAPPING of transcription factor binding sites using integrated microfluidics
Dana Chen, *Bar-Ilan University*





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14:30-15:30 Session 4- Non-Human Genetics and Genomics
Chair- Dr. Noam Stern-Ginossar, Weizmann Institute

Transgenerational resetting of small RNAs inheritance in *C. elegans*

Leah Houry-Ze'evi, *Tel Aviv University*

Principles of cellular resource allocation: saving ribosomes for a sunny day

Eyal Metzli-Raz, *Weizmann Institute of Science*

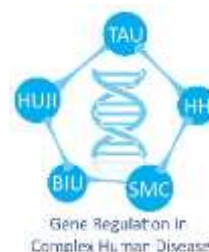
She gets many, and she chooses the best: polygyny in *Salamandrina perspicillata* (Amphibia, Salamandridae).

Valentina Rovelli, *University of Haifa; Roma Tre University, Italy.*

Uncovering the effects of sirtuins overexpression on lifespan regulation

Asael Roichman, *Bar-Ilan University*

15:30-15:45 Coffee Break





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15:45-16:45 Session 5- Developmental Genetics

Chair- Dr. Galit Shohat-Ophir, Bar-Ilan University

Characterizing transcriptional enhancers of epilepsy-associated genes in human inhibitory interneurons

Reut Eshel, *Ben-Gurion University*

Analysis of RNA editing regulation and function *in vivo*

Nabeel S. Ganem, *Technion*

Comparative transcriptome analysis of development in *Salamandra infraimmaculata*

Antonina Polevikove, *University of Haifa*

Characterizing *TWIST1* enhancers during limb and craniofacial development

Naama Hirsch, *Ben-Gurion University*

16:45-17:00 Prizes and Concluding Remarks

