

**Annual Meeting 2012**  
**FRONTIERS IN GENETICS VI**  
**The Faculty of Agriculture, Rehovot, February 20, 2012**

**TENTATIVE SCIENTIFIC PROGRAM**

08:30 Registration

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09:00 – 09:10                      Opening Session

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Opening  
**Naomi Ori**, Board member, The Genetic Society of Israel

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09:10 – 10:55    Session I    Chair: Judy Berman

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09:10 *Plenary Lecture*

Centromeric nucleosomes and epigenetics  
**Steve Henikoff**, Howard Hughes Medical Institute, University of Washington, Seattle, USA

09:55 Genome-wide 3C and the hierarchical domain model for chromosome structure in *Drosophila*  
**Amos Tanay**, Weizmann Institute of Science

10:15 Epigenetic regulation of phase transition in plants  
**Nir Ohad**, Department of Molecular Biology and Ecology of Plants, Tel Aviv University

10:35 Ataxia-telangiectasia: from disease to biological function – and back  
**Yossi Shilo**, Sackler School of Medicine, Tel Aviv University

10:55 - 11:30 Coffee

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11:30 - 13:00 Session II      Chair: Itai Yanai

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11:30 – 11:50  
microRNA and DICER role in differentiation and malignant transformation of melanocyte  
**Carmit Levy**, Sackler School of Medicine, Tel Aviv University

11:50 Analyzing DNA double-strand break repair using an inducible and live imaging system  
**Michal Goldberg**, Department of Genetics, Hebrew University

12:10 New insights into the function and evolution of PCNA-mediated DNA replication  
**Amir Aharoni**, Department of Life Sciences, Ben-Gurion University of the Negev

12:30 GENETIC SOCIETY ASSEMBLY MEETING & ELECTIONS  
PRESENTATION OF HONORARY AWARD TO:  
**Prof. Ariella Oppenheim**, Hadassah Medical School, The Hebrew University of Jerusalem

13:00 *Lunch, Poster Session and Exhibition Viewing*

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14:30 – 16:30 Session III      Chair: Lior David

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14:30 Plenary Lecture  
Instruments of global transcriptome regulation  
**Gideon Dreyffus**, Howard Hughes Medical School, University of Pennsylvania, USA

15:15 Genomic variation in health and disease  
**Doron Lancet**, The Weizmann Institute of Science

15:35 Mining the role of allelic interactions in mediating non-additive mode of inheritance in plants and yeast

**Eyal Fridman**, Faculty of Agriculture, The Hebrew University of Jerusalem

15:55 Germline stem cells regulate somatic proteostasis during *C. elegans* adulthood

**Anat Ben-Zvi**, Department of Life Sciences, Ben-Gurion University of the Negev

16:15 The potato fountain of youth

**Yuval Eshed**, The Weizmann Institute of Science

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16:35 Closing remarks and poster prizes