

Poster titles – Retreat 2013

*The poster presenter is underlined

- 1. Transfer of Non-coding DNA Drives Regulatory Rewiring in Bacteria**
Yaara Oren, Mark B. Smith, Jukka Corander, Eric J. Alm, Tal Pupko
- 2. Inferring Binding Site Motifs from High-Throughput Technologies**
Yaron Orenstein, Eran Mick, Chaim Linhart, Ron Shamir
- 3. Inferring the Efficiency of tRNA--Codon Interaction Based on Codon Usage Bias**
Renana Sabi, Tamir Tuller
- 4. The RNA Polymerase Flow Model of Gene Transcription**
Shlomit Edri, Eran Gazit, Tamir Tuller
- 5. Understanding and Modeling the Effect of Folding on pre-mRNA Splicing Efficiency based on System and Computational Biology Approaches**
Zohar Zafrir, Tamir Tuller
- 6. DeQTL: Exploiting Time-Series Data to Enhance QTL Analysis**
Avital Brodt, Uri Gophna and Irit Gat-Viks
- 7. PloiDB: A Community Resource for Polyploidy Research**
Moshe Einhorn, Shing H. Zhan , Itay Mayrose
- 8. Structure-Based Procedure to Scan the Protein Data Bank for Hidden Ubiquitin Binding Domains**
Michael Estrin, Tal Keren-Kaplan, Ilan Attali, Lillian S Kuo, Efrat Farkash, Moran Jerabek-Willemsen, Noa Blutraich, Shay Artzi, Eric O Freed, Haim J Wolfson, Gali Prag
- 9. Personalized Reconstruction of Healthy and Cancerous Human Metabolic Models and their Genome-Scale Investigation of the Warburg Effect**
Keren Yizhak, Yedael Y. Waldman, Gideon Y. Stein, Sylvia LeDevedec, Vasiliki-Maria Rogkoti, Bob van de Water, Eytan Ruppim
- 10. Prediction of Biomarkers and Drug Targets in Alzheimer's Disease by Genome Scale Metabolic Modeling**
Shiri Stempler, Keren Yizhak, Eytan Ruppim
- 11. Transcription Factor/microRNA Axis Blocks Melanoma Invasion Program By miR-211 targeting NUA1**
Rachel E. Bell, Mehdi Khaled, Dvir Netanel, Steffen Schubert, Tamar Golan, Amir Buxbaum, Maja M. Janas, Benny Postolsky, Ron Shamir and Carmit Levy

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- 12. Exploiting the Protein Databank to Propose Additional Conformations of a Query Protein of Known Structure**
Aya Narunsky, Nir Ben-Tal
- 13. HT-CellQ: A Global Dynamic View of *in Vivo* Influenza Infection**
Zeev Altboum, Yael Steuerman, Michal Mandelboim, Zohar Barnett Itzhaki, Tal Meningher, Eyal David, Ella Mendelson, Irit Gat-Viks, Ido Amit
- 14. The Challenge of Further Improving Existing Genome-Scale Metabolic Models for Plant Organisms**
Raphy Zarecki, Yoav Teboulle, Eytan Rupp
- 15. The Possible Association between Polyploidy and Eco-Geographical Attributes**
Anna Rice, Gilad Berman, Lior Glick, Itay Mayrose
- 16. Inferring Gene-Gene Interactions from Genetic Variation Utilizing Modules of Associated Traits**
Maya Botzman and Irit Gat-Viks
- 17. Harnessing Synthetic Lethality to Identify Selective Cancer Drug Targets**
Livnat Jerby, Adam Weinstock, Tamar Geiger, Eytan Rupp
- 18. Systems-level Metabolic Modeling of Glycan Degradation by Gut Microbes**
Omer Eilam, Raphy Zarecki, Martin Kupiec, Uri Gophna, Eytan Rupp
- 19. Graph Based Reference-Free Encoding and Compression of Sequencing Reads**
Roye Rozov, Eran Halperin, and Ron Shamir
- 20. Algorithms for Mapping Modules in Pairs of Biological Networks**
David Amar, Ron Shamir
- 21. A Machine Learning Approach for Characterizing Human Brain Networks that are Involved in Response to Stress**
Adi Maron-Katz, David Amar, Sharon Visvaser, Talma Hendler, Ron Shamir
- 22. Discovering Molecular Signals Using Hidden Semi-Markov Models**
Michael Peeri, David Burstein, Gil Segal, Tal Pupko
- 23. Prediction of Anti-cancer Drug Targets that Selectively Increase ROS Production**
Erez Persi, Keren Yizhak, Adi Shabi, Tomer Shlomi, Eytan Rupp

24. Tau Bioinformatics Unit: who are we and what do we do ?

Adva Yehekel, Metsada Pasmanik-Chor

25. Exploring the Boundaries of the Pluripotent State

Evgeny Yurkovsky, Camille Sindhu, Zachary D Smith, Inbar Pilzer, Alexander Maissner, Iftach Nachman

26. EXPANDER: A Platform for Dissecting Networks and Functions Using Expression Profiles

Adi Maron-Katz, Ran Elkon, Igor Ulitsky, Chaim Linhart, David Amar, Amos Tanay, Roded Sharan, Eyal David, Tom Hait, Dorit Sagir, Hershel Safer, Yosef Shiloh, Ron Shamir

27. Hash Based Approach for String Graph Construction

Ilan Ben-Bassat, Benny Chor