

## 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