



## Poster titles – Retreat 2010

### 1. The Role of Occludin in Modulating Tight-Junctions Function

Adva Yeheskel, Yakey Yaffe, Koret Hirschberg and Metsada Pasmanik-Chor

### 2. Different sets of QTLs influence fitness variation in yeast

Gal-Hagit Romano, Ynat Gurevich, Ofer Lavi, Igor Ulitsky, Ron Shamir and Martin Kupiec

### 3. PRINCE: Associating Genes and Protein Complexes with Disease via Network Propagation

Oron Vanunu, Oded Magger, Eytan Ruppin, Tomer Shlomi, Roded Sharan

### 4. MONTE-CARLO SIMULATIONS OF PEPTIDE-MEMBRANE INTERACTIONS: WEB-SERVER

Yana Gofman, Turkan Haliloglu, Nir Ben-Tal

### 5. Functional dynamics of NhaA predict motion implicated in alternating access and pH-induced activation

Maya Schushan, Etana Padan, Turkan Haliloglu and Nir Ben-Tal

### 6. Signature Residues in the 2009 Influenza A (H1N1) Virus Appear to Influence Antigenicity

Daphna Meroz, Tomer Hertz and Nir Ben-Tal

### 7. Global Shifts in Immunological-Related MicroRNA Expression Induced by Activation of Mammalian Brain Astrocytes

Eyal Mor, Yuval Cabilly, Adam Weinstock, Harel Zalts, Shira Modai, Liat Edry, Yona Goldshmit, Orna Elroy-Stein and Noam Shomron

**8. Expander: From Expression Microarrays to Networks and Functions**

Adi Maron-Katz, Ran Elkon, Seagull Shavit, Igor Ulitsky, Chaim Linhart, Amos Tanay, Roded Sharan, Eyal David, Dorit Sagir, Yosef Shiloh, Ron Shamir

**9. An Algorithmic Framework for Predicting Side Effect of Drugs**

Nir Atias and Roded Sharan

**10. Optimization of high-throughput microRNA sequencing**

Shahar Alon, Francois Vigneault, George Church and Eli Eisenberg

**11. Think Positive - Selection Forces Acting on Listeria**

**monocytogenes MFS Proteins**

Mor Lurie-Weinberger, Adi Doron-Faigenboim, Millie Kaplan Zeevi, Uri Gophna and Anat A. Herskovits

**12. Combining drug and gene similarity metrics for target elucidation**

Liat Perlman, Assaf Gottlieb, Nir Atias, Eytan Ruppin and Roded Sharan

**13. Classifying Disease Expression Profiles using Networks**

Ofer Lavi, Gideon Dror and Ron Shamir

**14. Finding Minimal Perturbations in Gene Regulatory Networks**

Guy Karlebach and Ron Shamir

**15. Detecting Highways of Horizontal Gene Transfer**

Mukul S. Bansal, Peter J. Gogarten, Ron Shamir

**16. Understanding the Functionality of Gene Sequence Polymorphisms in the Context of Transcription Regulation in Yeast**

Irit Gat-Viks, Renana Meller, Martin Kupiec, Ron Shamir

**17. Pharmaco-miRNAs: A global analysis of microRNA effects on drug metabolism and efficacy**

Jakob L. Rukov, Shira Modai, Noam Shomron

**18. Deriving Enzymatic Signatures from Short Read Data**

Uri Weingart, Erez Persi, Uri Gophna, and David Horn

**19. Evolutionary models accounting for layers of selection in protein coding genes and their impact on the inference of positive selection**

Nimrod D. Rubinstein, Adi Doron-Faigenboim, Itay Mayrose, Tal Pupko

**20. Accurate inference of horizontal gene transfer elucidates trends and barriers in the transferability of gene families**

Ofir Cohen, Uri Gophna and Tal Pupko

**21. A machine learning approach to genome-scale identification of proteins targeted to the hydrogenosome in *Trichomonas vaginalis***

David Burstein, Sven Gould, Verena Zimorski, Thorsten Klösches, Katrin Henze, William Martin, Tal Pupko, Tal Dagan

**22. Genome-wide diversifying selection in SIV from chimpanzees**

Adi, Stern, Osnat Penn, M. Rolnik, E. Bacharach and T. Pupko

**23. Predicting Selective Drug Targets in Cancer through**

Ori Folger, Livnat Jerby, Christian Frezza, Eyal Gottlieb, Eytan Ruppín, Tomer Shlomi

**24. ConQuass: using evolutionary conservation for quality assessment of protein model structures**

Matan Kalman and Nir Ben-Tal

**25. SPIKE: A Signaling Pathways Resource for the DNA Damage and Apoptosis communities**

A. Paz, E. David,, Y. Ber, I. Zohar, D. Sagir, G. Karlebach, J. Assa, I. Ulitsky, R. Elkon, A. Kimchi, Y. Shiloh, R. Shamir

**26. Prediction of Anti-cancer Drug Targets that Selectively Increase ROS Production**

Adi Shabi, Eytan Ruppín

**27. Metabolic Networks Explain the Warburg Effect**

Tomer Shlomi, Tomer Benyamini, Eyal Gottlieb, Roded Sharan and Eytan Ruppin

**28. Mapping the MicroRNA Regulatory Role Following Chromosomal Instability in Cancer Cells**

Ori Arditi, Maya Genel and David Zeevi

