CURRICULUM VITAE

Personal Information

Name	David Burstein
Work Address	Dept. of Cell Research and Immunology
	George S. Wise Faculty
	Tel Aviv University, Tel Aviv, Israel
Tel.	972-3-640-9245
Fax	972-3-642- 2046
E-mail	davidbur *at* tau.ac.il
Date and place of birth	May 23rd, 1977, Israel
Languages	Hebrew, English, French

Education

2008 to date **Ph.D. Studies** under the supervision of Dr. Tal Pupko, Department of Cell Research and Immunology, Tel-Aviv University

2006 – 2008 **M.Sc. in the Bioinformatics track (summa cum laude, final average 95)** under the supervision of Dr. Tal Pupko. Department of Cell Research and Immunology, Tel-Aviv University

2001 – 2004 **B.Sc. in Biology (summa cum laude, final average 95) and Computer Science (magna cum laude; final average 93)**, Tel-Aviv University. Double major program with specialization in Bioinformatics

Prizes and Awards

2009 Best poster award - Israeli Bioinformatics Symposium 2009, Weizmann Institute of Science, Israel

2008 Award from the Wolf Foundation for excellent M.Sc. students

2008 Award from the Tel-Aviv University graduate school for excellent achievements in teaching, research and studies

2006 - 2008 Scholarship for excellent students from the Safra bioinformatics program

2004 Exact Science Dean's honour list & Life Science Dean's honour list

2002 Life Science Dean's honour list

2003 Exact Science Dean's honour list

Academic Teaching

2009 Teaching instructor in the course "Perl programming for biology" Tel-Aviv University

2007 – 2009 Teaching instructor in the course "Biological Sequences Analysis" in Tel-Aviv College (MTA)

2007 – 2008 Teaching Assistant in the course "Introduction to Bioinformatics" in Tel-Aviv University

2005 – 2006 Teaching Assistant in the course "Algorithms in Computational Biology", the Concentrated M.Sc. Track in Computer Science, Tel-Aviv University

Publications
Refereed journals:
o   David Burstein, Tal Zusman, Elena Degtyar, Ram Viner, Gil Segal, Tal Pupko.
    Genome-scale identification of *Legionella pneumophila* effectors using a machine
    learning approach. *PLoS Pathog* **5**(7), 2009

o   Schraga Schwartz, João Silva, David Burstein, Tal Pupko, Eduardo Eyras, and Gil
    Ast. Large scale comparative analysis of splicing signals and their corresponding
    splicing factors in eukaryotes. *Genome Research* **18**(1):88-103, 2008

o   Igor Ulitsky, David Burstein, Tamir Tuller, Benny Chor. The ASC approach to
    Phylogenomic Reconstruction *Journal of Computational Biology (JCB)*
    13(2):336-50, 2006

Refereed proceedings:
o   David Burstein, Igor Ulitsky, Tamir Tuller and Benny Chor Information
    Theoretic Approaches to Whole Genome Phylogenomics *Proceedings of the
    Ninth Annual International Conference on Research in Computational Molecular
    Biology (RECOMB 2005)* pp.283-295

Posters

o   David Burstein, Tal Zusman, Elena Degtyar, Ram Viner, Gil Segal and, Tal
    Pupko Genome-Scale Identification of *Legionella pneumophila* Effectors using a
    Machine Learning Approach Poster at the *Israeli Bioinformatics Symposium, IBS
    200*9, Weizmann Institute of Science, Israel (won best poster award)

o   David Burstein, Tal Zusman, Maya Amichay, Gil Segal and Tal Pupko Predicting
    secreted proteins in *Legionella Pneumophila* based on evolutionary signatures,
    SMBE 2008 (Annual Meeting of the Society of Molecular Biology and
    Evolution), Barcelona, Spain

o   Igor Ulitsky, David Burstein, Tamir Tuller and Benny Chor Information Theoretic
    Approaches to Whole Genome Phylogenies Poster at the *Israeli Bioinformatics
    Symposium, IBS 2005*, Beer-Sheva, Israel

Oral presentations

2005   Information Theoretic Approaches to Whole Genome Phylogenomics. The
       International Conference on Research in Computational Molecular Biology
       (RECOMB 2005), MIT, Cambridge, Massachusetts. May 2005

Involvement in the community:
2001 – 2004   Caregiver in a residential home for autistic people, ALUT – the Israeli
                society for autistic children
2001   Manager of an English summer-school for new immigrants (over 100
                students), The Israel Association of Community Centres
2001   Teaching math groups of high school, and middle high school in a project
                of The Israel Association of Community Centres

Military Service
1996 – 2000   Israel defence force. Rank: Lieutenant. Officer ranks granted with honours