

Uri Keich

University Activities

- Courses:
 - CS628 Biological Sequence Analysis, Cornell University, Fall 2007.
 - CS426 Introduction to Bioinformatics, Cornell University, Spring 2008.
- Sequence analysis journal club (ran together with Brona Brejova and Tomas Vinar from BSCB), Fall 2007, Spring 2008.
- Comp bio search committee - CS department
- Undergraduate students advisor

Professional Activities

- Journal Reviewing: Bioinformatics, IEEE/ACM Transactions on Computational Biology and Bioinformatics, PLoS Computational Biology
- Conference Reviewing: SODA 2008, Recomb 2008, GIW 2008
- Other Reviewing: Israeli Science Foundation
- Program Committees:
- Genome Informatics Workshop (2008)

Publications

- Keich U., Ng P. A conservative parametric approach to motif significance analysis. Proceedings of the 18th International Conference on Genome Informatics (GIW 2007), Singapore 2007, 19:61-72.
- Nagarajan N., Keich U. FAST: Fourier transform based algorithms for significance testing of ungapped multiple alignments. Bioinformatics. 2008 Feb 15;24(4):577-8.
- Accepted (subject to revisions) papers:
- Keich U., Gao H., Garretson JS., Bhaskar A., Liachko I., Donato J., Tye B. Computational detection of significant variation in binding affinity across two sets of sequences with application to the analysis of replication origins in yeast. BMC Bioinformatics.
- Ng P., Keich U. GIMSAN: A Gibbs motif finder with significance analysis. Bioinformatics.
- Ng P., Keich U. Factoring local sequence composition in motif significance analysis. GIW 2008.

Lectures

- Center for Scientific Computation and Mathematical Modeling, University of Maryland, 9/07
- 18th International Conference on Genome Informatics (GIW 2007), December 2007, Biopolis Singapore
- School of Mathematics and Statistics, University of Sydney, 2/08
- Department of Computer Science and the Center for Bioinformatics and Computational Biology at the University of Maryland, 3/08
- Computer Science Department and the BioMaPS Institute for Quantitative Biology at Rutgers University, 3/08