

Wong Lim Soon

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Subject: CBL Update - Nov 2011

Hi CBL Members,

1/ We have a large number (8) of papers published again this month. I think this is becoming a record year---we have almost 60 papers published or accepted this year, and many in very good places.

- Ruichu Cai, Anthony Tung, Zhenjie Zhang, Zhifeng Hao. **What is Unequal among the Equals? Ranking Equivalent Rules from Gene Expression Data.** *IEEE Transactions on Knowledge and Data Engineering*, 23(11):1735--1747, November 2011.
- M. J. Fullwood, J. Lee, L. Lin, G. Li, M. Huss, P. Ng, W. K. Sung, S. Shenolikar. **Next-generation sequencing of apoptotic DNA breakpoints reveals association with actively transcribed genes and gene translocations.** *PLoS One*, 6(11):e26054, November 2011.
- S. Gao, W. K. Sung, N. Nagarajan. **Opera: Reconstructing Optimal Genomic Scaffolds with High-Throughput Paired-End Sequences.** *Journal of Computational Biology*, 18(11):1681--1691, November 2011.
- Kang Ning and Hon Wai Leong. **The Multiple Sequences Sets: Problem and Heuristic Algorithms.** *Journal of Combinatorial Optimization*, 22(4):778-796, October 2011.
- Donny Soh, Difeng Dong, Yike Guo, Limsoon Wong. **Finding Consistent Disease Subnetworks Across Microarray Datasets.** *BMC Genomics*, 12(Suppl. 13):S15, November 2011.
- Yue Wang, Guimei Liu, Mengling Feng, Limsoon Wong. **An Empirical Comparison of Several Recent Epistatic Interaction Detection Methods.** *Bioinformatics*, 27(21):2936--2943, November 2011.
- Liang Zhao, Limsoon Wong, Jinyan Li. **Antibody-specific B-cell epitope prediction in line with the principle of context-awareness.** *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 8(6):1483--1494, November 2011.

- Dhaval Patel, Wynne Hsu, Mong Li Lee. **Discriminative Mutation Chains in Virus Sequences**. *Proceedings of 23rd IEEE International Conference on Tools with Artificial Intelligence*, pages ???--???, Florida, USA, November 2011.

2/ We gave the following invited talks in the last few weeks:

- Wing-Kin Sung. **Identifying Structural Variation Using Paired-End Reads**. *Invited talk at 22nd FAOBMB Conference*, Biopolis, Singapore, 5 October 2011.
- Limsoon Wong. **Epistasis Testing on the Cloud**. *Invited talk at 22nd FAOBMB Conference*, Biopolis, Singapore, 5 October 2011.
- Limsoon Wong. **Impact of microRNAs on Organization of Protein Interactions and Formation of Protein Complexes**. *Invited talk at BIRC Student Symposium on Bioinformatics 2011*, LT9, Nanyang Technological University, Singapore, 29 October 2011.

3/ We also hosted the following seminars:

- [CS Seminar: Algorithms for Population Genomics](#)
Serafim Batzoglou, Stanford University
23 November 2011 @ 10.30am in Meeting Room 1 (COM1-03-19)
- [CS Seminar: Towards Real-Time Control of Gene Expression](#)
Gregory Batt, INRIA-Rocquencourt
15 November 2011 @ 2pm in Meeting Room 6 (AS6-05-10)
- CS Seminar: Design and Analysis of DNA Strand Displacement Devices using Probabilistic Model Checking
Marta Kwiatkowska, University of Oxford
9 November 2011 @ 4pm in Meeting Room 1 (COM1-03-19)

4/ And we will be organizing the following two events in December:

- [4th International Symposium on Languages in Biology and Medicine \(LBM 2011\)](#). School of Humanities and Social Science Building, Nanyang Technological University, Singapore. 14-15 December 2011.
- [10th Korea-Singapore Joint Workshop on Bioinformatics and NLP \(KSW 2011\)](#). On Sang Soo Seminar Room, EECS, KAIST, Daejeon, Korea. 12 December 2011.

5/ Dr Allen Yeoh at NUH and I are looking for a research fellow or research assistant to join our ALL team at NUH. The candidate must have expertise in gene expression analysis and must have interest in systems development. If you have anyone to recommend, please drop me an email.

Cheers,

Limsoon

