

Wong Lim Soon

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Subject: CBL Update - Sept 2011

Dear CBL Members:

Here is the update on CBL for September 2011.

1/

Looks like you folks have been really productive this month. 7 papers were published during this period, and about half in good venues:

- S. L. Kong, G. Li, S. L. Loh, W. K. Sung, E. T. Liu. **Cellular reprogramming by the conjoint action of ERalpha, FOXA1, and GATA3 to a ligand-inducible growth state.** *Molecular Systems Biology*, 7:526, August 2011
- Huy Hoang Do, Wing-Kin Sung. **Compressed Directed Acyclic Word Graph with Application in Local Alignment.** *Proceedings of 17th Annual International Conference on Computing and combinatorics (COCOON)*, pages 503--518, Dallas, TX, USA, August 2011.
- Wing-Kai Hon, Kunihiro Sadakane, Wing-Kin Sung. **Succinct Data Structures for Searchable Partial Sums with Optimal Worst-Case Performance.** *Theoretical Computer Science*, 412(39):5176-5186, September 2011.
- K. S. Sandhu, G. Li, W. K. Sung, Y. Ruan. **Chromatin interaction networks and higher order architectures of eukaryotic genomes.** *J Cell Biochem*, 112(9):2218--2221, September 2011.
- Qian Liu, Steven C. H. Hoi, Chinh T. T. Su, Zhenhua Li, Chee-Keong Kwoh, Limsoon Wong, Jinyan Li. **Structural analysis of the hot spots in the binding between H1N1 HA1 and the 2D1 antibody: Do mutations of H1N1 from 1918 to 2009 affect much on this binding?.** *Bioinformatics*, 27(18):2529--2536, September 2011.
- Xiao Hang, Melvin Zhang, Axel Mosig, Hon Wai Leong. **Dynamic Programming Algorithms for Efficiently Computing Cosegmentations between Biological Images.** *Proceedings of 11th Workshop on Bioinformatics Algorithms (WABI)*, pages 339--350, Saarbrücken, Germany, September 2011.
- Melvin Zhang, Hon Wai Leong. **Identifying Positional Homologs as Bidirectional Best Hits of Sequence and Gene Context Similarity.** *Proceedings of 2011 IEEE Conference on Systems Biology (ISB)*, pages 117--122, Zhuhai, China, September 2011.

2/

The main activity this month was the following seminar by our visitor from Imperial:

- [CS Seminar: Statistical models for genome-wide studies in neuroimaging genetics and Applications](#)
Giovanni Montana, Imperial College London
8 September 2011 @ 11am in Video Conference Room (COM1-02-13)

For October, Prof Zhang Xuegong from Tsinghua will be visiting. He is giving the talk below next week; please attend!

- [CS Seminar: Estimating expression of alternative splicing genes from RNA-seq data](#)
Xuegong Zhang, Tsinghua University
5 October 2011 @ 10.30am in MR1 (COM1-03-19)

Regards,

Limsoon