Wong Lim Soon

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Sent: Wednesday, February 29, 2012 3:00 PM
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Cc: wongls@comp.nus.edu.sg
Subject: CBL Update - Jan & Feb 2012

Dear CBL Members,

Here is the brief update for Jan/Feb 2012.

1/ Articles published include:

- Wilson Goh, Hirotaka Oikawa, Judy Sng, Marek Sergot, Limsoon Wong. **The role of miRNAs in complex formation and control**. *Bioinformatics*, 28(4):453--456, February 2012.

- Jesper Jansson, Kunihiko Sadakane, Wing-Kin Sung. **Ultra-succinct representation of ordered trees with applications**. *Journal of Computer and System Sciences*, 78(2):619--631, January 2012.

- G. Li, X. Ruan, R. K. Auerbach, K. S. Sandhu, M. Zheng, P. Wang, H. M. Poh, Y. Goh, J. Lim, J. Zhang, H. S. Sim, S. Q. Peh, F. H. Mulawadi, C. T. Ong, Y. L. Orlov, S. Hong, Z. Zhang, S. Landt, D. Raha, G. Euskirchen, C. L. Wei, W. Ge, H. Wang, C. Davis, K. I. Fisher-Aylor, A. Mortazavi, M. Gerstein, T. Gingeras, B. Wold, Y. Sun, M. J. Fullwood, E. Cheung, E. Liu, W. K. Sung, M. Snyder, Y. Ruan. **Extensive promoter-centered chromatin interactions provide a**
- **topological basis for transcription regulation**. *Cell*, 148(1-2):84--98, January 2012.

- Kang Ning, Hoong Kee Ng, Hon Wai Leong. **Analysis of the Relationships among Longest Common Subsequences, Shortest Common Supersequences and Patterns and its application on Pattern Discovery in Biological Sequences**. *International Journal on Data Mining and BioInformatics*, 5(6):611-625, December 2011.

- P. Y. Tan, C. W. Chang, K. R. Chng, K. D. Wansa, W. K. Sung, E. Cheung. **Integration of Regulatory Networks by NKX3.1 Promotes Androgen-Dependent Prostate Cancer Survival**. *Mol Cell Biol*, 32(2):399--414, January 2012.

- H. Xu, W. K. Sung. **Identifying differential histone modification sites from ChIP-seq data**. *Methods in Molecular Biology*, 802:293--303, January 2012.

2/ Events organized:

- [CS Seminar: The NUHS Ontology Engineering Platform](). Mahendran Maliapen, NUHS
  2 February 2012 @ 4pm in Video Conference Room (COM1-02-13)

- [CS Seminar: Biological directional proton conduction by minute rearrangements of protein-internal water molecules](). Steffen Wolf, AS/MPG Partner Institute for Computational Biology
  14 February 2012 @ 3pm in SR1

- [CS Seminar: Applications of Stochastic Simulations on Image Processing](). Lee Hwee Kuan, BII
  15 February 2012 @ 10.30am in MR1

3/ Invited talks given:

- Hon Wai Leong. **Computational Methods for Detecting Protein Complexes from Protein-Protein Interaction Networks**. *Invited talk at Global-COE Workshop on Engineering/Information Science for Integrated Life Science and Predictive Medicine*, Singapore, 27-28 February 2012.

- Bing Liu. **Probabilistic Approximation Techniques for Biopathway Modeling**. *Invited talk at Global-COE Workshop on Engineering/Information Science for Integrated Life Science and Predictive Medicine*, Singapore, 27-28 February 2012.

- Wing-Kin Sung. **Sampling with Expectation Maximization for Motif Wlicitation (SEME)**. *Invited talk at Global-COE Workshop on Engineering/Information Science for Integrated Life Science and Predictive Medicine*, Singapore, 27-28 February 2012.

- Limsoon Wong. **A Novel Principle for Childhood ALL Relapse Prediction**. *Invited talk at UTS AAAI Bioinformatics Workshop 2012*, University of Technology Sydney, NSW, Australia, 12 January 2012.

- Limsoon Wong. **Analysis of Gene Expression and Proteomic Profiles based on Biological Networks**. *Tutorial at 10th Asia Pacific Bioinformatics Conference (APBC2012)*, Melbourne, Australia, 17-19 January 2012.

- Limsoon Wong. **A Novel Contextualization Approach to Proteomic Profile Analysis**. *Invited talk at Global-COE Workshop on Engineering/Information Science for Integrated Life Science and Predictive Medicine*, Hotel Grand Park City Hall, Singapore, 28 February 2012.

- Limsoon Wong. **Using biological networks for protein function prediction, biomarker identification, and other problems in computational biology**. *Invited master class at 2012 International Winter School in Methods in Bioinformatics (WSMBio2012)*, Tarragona, Spain, 20-24 February 2012.

4/ A friend asks me to help advertise two positions at IHPC.

Scientists in data mining and/or statistical learning needed at IHPC.
http://www.comp.nus.edu.sg/~wongls/bp/openings/IHPC-22Feb2012.pdf

5/ GIW2012 will be held in Tainan this year in December. This is the oldest bioinformatics conference. The CFP is at
http://conf.ncku.edu.tw/giw2012/

Limsoon