Wong Lim Soon

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Subject:	CBL Update - Oct 2011

Dear CBL Members,

1/
Congratulations to Dong Difeng for successfully defending his PhD thesis "Relapse Prediction in Childhood Acute Lymphoblastic Leukemia by Time-Series Gene Expression Profiling", supervisor: Limsoon Wong. This is a really well-executed research and beautifully-written thesis; you can find a copy at http://www.comp.nus.edu.sg/~wongls/psZ/difeng-thesis.pdf.

2/
The lab has continued our productivity this year. Here are the papers published in the last month or so:

Sucheendra K. Palaniappan, S. Akshay, Blaise Genest, P. S. Thiagarajan. A Hybrid Factored Frontier Algorithm for Dynamic Bayesian Network Models of Biopathways. Proceedings of 9th International Conference on Computational Methods in Systems Biology (CMSB), pages 35--44, Paris, France, September 2011.

Yubo Wang, Goaxi Xiao, Limsoon Wong, Xiuju Fu, Stefan Ma, Tee Hiang Cheng. Effects of Fear Factors in Disease Propagation. Journal of Physics A: Mathematical and Theoretical, 44(35):355101, September 2011.

Shlomo Moran, Sagi Snir, Wing-Kin Sung. Partial Convex Recolorings of Trees and Galled Networks: Tight Upper and Lower Bounds. ACM Transactions on Algorithms, 7(4):42, September 2011.

Guimei Liu, Chern Han Yong, Hon Nian Chua, Limsoon Wong. Decomposing PPI Networks for Complex Discovery. Proteome Science, 9(Suppl. 1):S15, October 2011.

Guimei Liu, Haojun Zhang, Limsoon Wong. Controlling False Positives in Association Rule Mining. Proceedings of the VLDB Endowment, 5(2):145--156, October 2011.

3/

The main seminar we hosted this month was:

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).

4/
In the coming few weeks, the following seminars have been lined up:

CS Seminar: Automated Learning of Probabilistic Assumptions for Compositional Reasoning.
Marta Kwiatkowska, University of Oxford.
8 November 2011 @ 3.00pm in Video Conference Room (COM1-02-13).

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).

Towards Real-Time Control of Gene Expression.
Gregory Batt, INRIA-Rocquencourt.
15 November 2011 @ 2pm in Meeting Room 6 (AS6-05-10).

There will also be a visit and seminar (to be arranged) by Serafim Batzoglou on 23rd November.

5/
Below are some job ads. If you or some friends are interested, please take a look:

IT and Scientific Computing Manager needed at Genome Institute of Singapore,
http://www.comp.nus.edu.sg/~wongls/bp/openings/gis-oct2011.pdf.

Senior bioinformaticist knowledgeable in gene expression analysis needed at NUHS; Please submit cv to me or Allen Yeoh (allen_yeoh@nuhs.edu.sg).

Limsoon