Wong Lim Soon

From: Limsoon Wong [wongls@comp.nus.edu.sg]
Sent: Friday, December 14, 2007 5:51 PM
To: David Hsu Xu Ye (SoC); Wynne Hsu (SoC); leeml@comp.nus.edu.sg; leonghw@comp.nus.edu.sg; Ooi Beng Chin (SoC); ksung@comp.nus.edu.sg; Tan Kian Lee (SoC); thiagu@comp.nus.edu.sg; atung@comp.nus.edu.sg; tucker@comp.nus.edu.sg; liugm@comp.nus.edu.sg; chongket@comp.nus.edu.sg; tanhuiyi@comp.nus.edu.sg; Ye Nan; melvin@comp.nus.edu.sg; yenan@comp.nus.edu.sg; nghoongk@comp.nus.edu.sg; th_chiang@yahoo.com; geoffkoh@yahoo.com.sg; Ooi Nick Sern, Brandon; liubing@comp.nus.edu.sg; anshulni@comp.nus.edu.sg; Chen Ju; Lee Terk Shuen; Koh Chuan Hock; dongdife@comp.nus.edu.sg; stanley@bii.a-star.edu.sg; Low Hong Sang; lixiaohu@comp.nus.edu.sg; songfush@comp.nus.edu.sg; Ngo Thanh Son; dohuyhoa@comp.nus.edu.sg; vipinnar@comp.nus.edu.sg; Edward Wijaya; edwardwi@comp.nus.edu.sg; 'Hugo Willy'
Cc: wongls@comp.nus.edu.sg
Subject: CBL updates for Nov/Dec 2007

Dear CBL Members,

1/
First a few happy news on our recently graduated students:

(1) Ning Kang submitted his PhD thesis "Algorithms for peptide and PTM identification using tandem mass spectrometry", supervised by Drs Leong Hon Wai Leong and Zhang Louxin. Kang is now a Research Fellow in University of Michigan with Dr. Alexey Nesvizhskii.

(2) For those of you who remember Chen Jin (supervised by Drs Lee Mong Li, Wynne Hsu, and Ng See Kiong, now in Stanford). He is now a happy father --- daughter Sophia was born on 12 Nov.

(3) Hon Nian Chua (supervised by Drs Wong Limsoon and Ken Sung, now in I2R) was winner of DREAM2 Challenge 2 by a considerable margin. The DREAM2 Conference: 2nd Dialogue on Reverse Engineering Assessment and Methods for Biological Networks was organized by IBM and Columbia University. There were 5 challenges and Challenge 2 was on prediction of protein-protein interactions.

(4) Vipin Narang (supervised by Dr Ken Sung, now in GIS) was joint winner of DREAM2 Challenge 1. Challenge 1 was prediction of BCL6 targets.

(5) I am also very happy to find that the paper below from our lab is ranked by the ISI as the 49th hottest paper in computer science published last year!

Hon Nian Chua, Wing-Kin Sung, Limsoon Wong. Exploiting Indirect Neighbours and Topological Weight to Predict Protein Function from Protein-Protein Interactions. Bioinformatics, 22:1623--1630, July 2006.

2/
The following papers from our lab were published recently:

(1) See-Kiong Ng, Hiroshi Mamitsuka, Limsoon Wong, editors. Genome Informatics 2007. Imperial College Press, London, December 2007. (199 pages)

(2) Liping Ji, Kian-Lee Tan, Anthony K. H. Tung. Compressed Hierarchical Mining of Frequent Closed Patterns from Dense Data Sets. IEEE Transactions on Knowledge and Data Engineering, 19(9):1175-1187, September 2007.

(3) Jinyan Li, Guimei Liu, Haiquan Li, Limsoon Wong. Maximal Biclique Subgraphs and Closed

Pattern Pairs of the Adjacency Matrix: A 1-to-1 Correspondence and Mining Algorithms. IEEE Transactions on Knowledge and Data Engineering, 19(2):1625--1637, December 2007.

(4) Xiao Dong Zhao, Xu Han, Joon Lin Chew, Jun Liu, Kuo Ping Chiu, Andre Choo, Yuriy L. Orlov, Wing-Kin Sung, Atif Shahab, Vladimir A. Kuznetsov, Guillaume Bourque, Steve Oh, Yijun Ruan, Huck-Hui Ng, and Chia-Lin Wei.
Whole genome mapping of histone H3 Lys4 and 27 trimethylations reveals distinct genomic compartments in human embryonic stem cells. Cell Stem Cell, 1:286--298, September 2007.

(5) Jesper Jansson, Kunihiko Sadakane, Wing-Kin Sung. Compressed dynamic tries with applications to LZ-compression in sublinear time and space.
Proceedings of International Conference on Foundations of software Technology and Theoretical Computer Science 2007, pages 424-435, New Delhi, India, December 2007.

(6) Chuan Hock Koh, Limsoon Wong. Recognition of Polyadenylation Sites from Arabidopsis Genomic Sequences. Proceedings of 18th International Conference on Genome Informatics (GIW), pages 73--82, Singapore, December 2007.

(7) Tak Wah Lam, Wing-Kin Sung, S.-L. Lam, Siu-Ming Yiu. Space efficient indexes for string matching with don't cares. Proceedings of 18th International Symposium on Algorithm and Computation, pages 846-857, Sendai, Japan, December 2007.

(8) Kang Ning, Hoon Kee Ng, Hon Wai Leong. An Accurate and Efficient Algorithm for Peptide and PTM Identification by Tandem Mass Spectrometry.
Proceedings of 18th International Conference on Genome Informatics (GIW), pages 119--130, Singapore, 3-5 December 2007.

3/
Our group organized one whole week of 3 symposia:

- 6th Association of Asian Societies for Bioinformatics Symposium (AASBi2007)
- 18th International Conference on Genome Informatics (GIW2007)
- 2nd International Symposium on Languages in Biology and Medicine (LBM2007)

We were very honoured to host GIW2007 as it is the oldest research meeting in computational biology and it is the first time it was held outside of Japan. More than 250 people attended the symposia and had very good things to say about Singapore and us.

Thanks very much to those of you who attended the symposia and especially those who helped out at the symposia.

4/
Today, there was a talk by Thiagu's visitor:

CS Seminar: Modeling Mammalian Circadian Rhythms Daniel Forger, Dept of Mathematics, Univ of Michigan
14 December 2007 @ 11am, in TR3, COM1 #01-03.

I hope you enjoyed the seminar.

5/
The next major event will be RECOMB2008 that we will be hosting 30 Mar - 2 Apr 2008 at the University Cultural Centre. The call for posters is now open. Please submit! More info at http://www.comp.nus.edu.sg/~recomb08.

In the mean time, I would like to wish everyone

Merry Christmas and
Happy New Year.

Warmest regards,

Limsoon