

Wong Lim Soon

From: Limsoon Wong [wongls@comp.nus.edu.sg]
Sent: Monday, December 08, 2008 10:46 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; u0407028@nus.edu.sg; melvin@comp.nus.edu.sg; yenan@comp.nus.edu.sg; nghoongk@comp.nus.edu.sg; srigsri@comp.nus.edu.sg; Shi Yuan; th_chiang@yahoo.com; geoffkoh@yahoo.com.sg; Ooi Nick Sern, Brandon; liubing@comp.nus.edu.sg; anshulni@comp.nus.edu.sg; Gireedhar Venkatachalam; Chin Yen Song; kohchuanhock@gmail.com; dongdife@comp.nus.edu.sg; Low Hong Sang; fengml@comp.nus.edu.sg; Ngo Thanh Son; bowenli37@hotmail.com; Chua Gek Huey; Fan Mengyuan; wangyue1986_cs@hotmail.com; dcsvsm@nus.edu.sg; g0801981@comp.nus.edu.sg; Zheng Le; hoang@comp.nus.edu.sg; vipinnar@comp.nus.edu.sg; g0305719@nus.edu.sg; hugowill@comp.nus.edu.sg; luqman@comp.nus.edu.sg; drcyber@gmail.com; Wei Xueliang; zhizhuo@comp.nus.edu.sg
Cc: wongls@comp.nus.edu.sg
Subject: CBL updates - Nov & Dec 2008

Dear CBL Members,

Here is the update for Nov/Dec 2008:

1/

The happiest news these two months is the elevation of Beng Chin to Fellow of IEEE. This is in recognition for his contributions to database management technologies. Congrats!

2/

Several papers were published these couple of months. Here are those that I know of...

Ho-Leung Chan, Tak Wah Lam, Wing-Kin Sung, Prudence W. H. Wong, S. M. Yiu.

Non-overlapping Common Substrings Allowing Mutations. Mathematics in Computer Science, 1(4):543--555, 2008.

C. Y. Lim, W. L. Tam, J. Zhang, H. S. Ang, H. Jia, L. Lipovich, H. H. Ng, C. L. Wei, W. K. Sung, P. Robson, H. Yang, B. Lim. Sall4 Regulates Distinct Transcription Circuitries in different Blastocyst-Derived Stem Cell Lineages. Cell Stem Cell, 3(5):543--554, November 2008.

Guimei Liu, Jinyan Li, Limsoon Wong. A New Concise Representation of Frequent Itemsets Using Generators and a Positive Border. Knowledge and Information Systems, 17(1):35--56, October 2008.

Guimei Liu, Jinyan Li, Limsoon Wong. Assessing and Predicting Protein Interactions Using Both Local and Global Network Topological Metrics. Proceedings of 19th International Conference on Genome Informatics (GIW), pages 138--149, Gold Coast, Australia, 3 December 2008.

3/

We also gave quite a few invited talks:

Guimei Liu. An Iterative Approach to Weighting and Expanding Protein Interaction Networks and its Impact on Complex Discovery. Invited talk at IMS Workshop on Computational Systems Biology Approaches to Analysis of Genome Complexity and Regulatory Gene Networks, Institute for Mathematical Sciences, NUS, Singapore, 20-25 November 2008.

Wing-Kin Sung. Genome-wide identification of differential histone modification sites from

ChIP-seq data using HMM. Invited talk at IMS Workshop on Computational Systems Biology Approaches to Analysis of Genome Complexity and Regulatory Gene Networks, Institute for Mathematical Sciences, NUS, Singapore, 20-25 November 2008.

Limsoon Wong. "Guilt by Association" as a Search Principle. Invited keynote at BioSearch08: HCSNet Next-Generation Search Workshop on Search in Biomedical Information, Queensland University of Technology, Brisbane, Australia, 30 November 2008.

Limsoon Wong. Identifying Protein Complexes from Protein Interactome Maps. Invited talk at Joint 5th Structural Biology & Functional Genomics and 1st Biological Physics International Conference, University of Cultural Centre, NUS, Singapore, 9-11 December 2008.

Limsoon Wong. Identifying Protein Complexes from Protein Interactome Maps. Invited keynote at IEEE International Workshop on Data Mining and Artificial Intelligence (DMAI 2008), Khulna, Bangladesh, 25-27 December 2008.

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We were also very busy with (co-)hosting many seminars and workshops:

IPM-NUS Workshop on Analysis and Application of Protein Interaction Networks, Institute for Studies in Theoretical Physics and Mathematics, Tehran, 17-18 November 2008.

Systems Biology Club Meeting

Talk 1: Fission Yeast --- A New Playground for Cytoskeletal Proteins.

Ramanujam Srinivasan, TLL

Talk 2: Mitochondrial Free Radical Theory of Aging in silico Rudiyanto Gunawan, Dept of Chemical and Biomolecular Engineering, NUS

4 December 2008 @ 4pm in Room #05-41, TLL

Systems Biology Club Meeting

Talk 1: In silico Design and Analysis of Genome-Scale Microbial Systems via Web

Application Dong-Yup Lee, Chemical and Biomolecular Engineering, NUS Talk 2: Cross-Linking TACctics Rahul Thadani, TLL

6 November 2008 @ 4pm in Room #05-41, TLL

CS Seminar: Analysis of ChIP-seq and high throughput SAGE data Xiaole Shirley Liu, Harvard School of Public Health

27 November 2008 @ 2pm in MR6 (AS6-05-10)

CS Seminar: Computational Methods for Prediction of Alternative Promoters and Transcription Factor Binding Sites Junwen John Wang, University of Hong Kong 10 November 2008 @ 2pm in SR3 (COM1-02-12)

CS Seminar: Uncovering the Regulatory Architecture of Coordinated Control of Gene Expression Rohan Williams, Australian National University 30 October 2008 @ 2pm in SR5 (COM1-02-01)

And on this Friday we will host the following workshop where Dong Difeng and Donny Soh will be speaking:

8th Korea-Singapore Workshop on Bioinformatics and NLP

12 December 2008 @ 12nn-5.30pm in Meeting Room 1, COM1, Level 3.

<http://www.comp.nus.edu.sg/~wongls/bp/events/8th-korea-spore-workshop.pdf>

5/

Here are some announcements of openings for bioinformaticists that I received from some friends:

Duke-NUS Graduate Medical School.

<http://www.comp.nus.edu.sg/~wongls/bp/openings/gms-13nov08.pdf>

National Cancer Centre Singapore.

<http://www.comp.nus.edu.sg/~wongls/bp/openings/nccs-nov08.html>.

Univ of Iowa.

<http://www.comp.nus.edu.sg/~wongls/bp/openings/kaitan-oct08.pdf>

Ecole Polytechnique and Boston University.

<http://www.comp.nus.edu.sg/~wongls/bp/openings/clote-oct08.htm>

NTU.

<http://www.comp.nus.edu.sg/~wongls/bp/openings/jinyan-oct08.pdf>

Also, you might be interested in the following announcement from the COMITU:

"You can now apply for a Windows or Linux virtual machine for your research as a alternative to procuring a new physical server, which would probably take a longer time to provision. Please go to https://www.comp.nus.edu.sg/cf/research_support/index.html, under 'Virtual Machines for Research' to read more on this and also how to apply for it."

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Lastly, I wish everyone a joyous Christmas and New Year.

Limsoon

Ps., As usual, if I have left out any thing, please let me know.