

## Wong Lim Soon

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**Cc:** wongls@comp.nus.edu.sg  
**Subject:** CBL Update - Dec 2010

Hi CBL Members,

1/

I am happy to learn that Liu Bing and Hugo Willy both submitted their PhD theses this month. Let's hope the thesis examination will be smooth and quick for them. They are both continuing as research fellows in the school while waiting for the outcome of the thesis exam.

1. Hugo Willy, "On Interaction Motif Inference from Biomolecular Interactions: Riding the Growth of the High Throughput Sequential and Structural Data", Supervisors: Wing-Kin Sung, See-Kiong Ng, Aug 2003--Dec 2010.
2. Bing Liu, "Probabilistic Approximation and Analysis Techniques for Bio-Pathway Models", Supervisors: P. S. Thiagarajan, David Hsu, Aug 2006--Dec 2010.

2/

The following papers were published this month:

1. Li Lin, Limsoon Wong, Tze-Yun Leong, Poh San Lai. **Efficient Mining of Haplotype Patterns for Linkage Disequilibrium Mapping**. *Journal of Bioinformatics and Computational Biology*, 8(Suppl. 1):127--146, December 2010.
2. Harold Soh, Sonja Lim, Tianyou Zhang, Xiuju Fu, Gary Kee Khoon Lee, Terence Gih Guang Hung, Limsoon Wong, Pan Di, Silvester Prakasam. **Weighted Complex Network Analysis of Travel Routes on the Singapore Public Transportation System**. *Physica A: Statistical Mechanics and its Applications*, 389(24):5852--5863, December 2010.
3. Marzieh Ayati, Golnaz Taheri, Shahriar Arab, Limsoon Wong, Changiz Eslahchi. **Overcoming Drug Resistance by Co-Targeting**. *Proceedings of IEEE International Conference on Bioinformatics & Biomedicine (BIBM)*, pages ???--???, Hong Kong, December 2010.

4. Guimei Liu, Chern Han Yong, Hon Nian Chua, Limsoon Wong. **Decomposing PPI Networks for Complex Discovery**. *Proceedings of IEEE International Conference on Bioinformatics & Biomedicine (BIBM)*, pages ???--???, Hong Kong, December 2010.
5. Zhengkui Wang, Yue Wang, Kian-Lee Tan, Limsoon Wong, Divyakant Agrawal. **CEO: A Cloud Epistasis cOmputing model in GWAS**. *Proceedings of IEEE International Conference on Bioinformatics & Biomedicine (BIBM)*, pages ???--???, Hong Kong, December 2010.
6. Michal Wozniak, Limsoon Wong, Jerzy Tiuryn. **CAMBer: An Approach to Support Comparative Analysis of Multiple Bacterial Strains**. *Proceedings of IEEE International Conference on Bioinformatics & Biomedicine (BIBM)*, pages ???--???, Hong Kong, December 2010.

3/ This month Ken gave the following invited talk:

1. Wing-Kin Sung. **Bioinformatics Applications in Pathology**. *Invited talk at IEEE International Conference on Bioinformatics & Biomedicine (BIBM)*, Hong Kong, 18-21 December 2010

4/ And we hosted the following seminars:

1. CS Seminar: Mining Shared Decision Trees for Human Understanding and Knowledge Transfer.  
Guozhu Dong, Wright State University.  
13 December 2010 @ 2pm in Video Conference Room (COM1-02-VC).
2. CS Seminar: Predicting Substrates of Proteases Using Machine Learning Techniques and Sequence-Derived Features .  
Jiangning Song, Monash University .  
8 December 2010 @ 2pm in MR1 (COM1-03-43).

5/ Dr Liang Goh at Duke-NUS has asked me to draw your attention to her recruitment ad for a bioinformaticist, <http://www.comp.nus.edu.sg/~wongls/bp/openings/liang-goh-dec10.pdf>

Merry Christmas and Happy 2011.

Limsoon

PS. Past CBL updates are available at <http://www.comp.nus.edu.sg/~cbl/news/>, for those of you interested to review our activities in the past year.