

Address

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Education

- Master in Statistics, Jun 2006 - Current
Supervisor: Prof. James O. Ramsay
Department of Mathematics and Statistics, McGill University, Montreal, Canada
- Ph.D. Student in Biostatistics, Sep 2005 – Jun 2006
Department of Epidemiology, Biostatistics and Occupational Health, McGill University, Montreal, Canada
- Master in Bioinformatics, Sep 2002 – Jul 2005
School of Mathematical Sciences, Peking University, Beijing, P.R. China
- Bachelor in Computer Science, Sep 1998 – Jul 2002
School of Information Engineering, Zhengzhou University, Zhengzhou, P.R. China

Research Experience

- **Research Assistant** of Dr. Nandini Dendukuri
Department of Epidemiology and Biostatistics, McGill University, Jul 2005 – Current
- **Research Assistant** of Dr. Jinwen Ma
School of Mathematical Sciences, Peking University, Jul 2003 – Jul 2005

Publications

- Nandini Dendukuri, Alula Hadgu, **Liangliang Wang**, “Modeling conditional dependence between multiple diagnostic tests: A hierarchical latent class model”, submitted to *Biometrics*
- **Liangliang Wang**, Jinwen Ma, “Informative Gene Set Selection Based on Rival Penalized Competitive Learning and Redundancy Analysis”, to appear in *Lecture Notes in Computer Science*
- **Liangliang Wang**, Jinwen Ma, “A Post-filtering Gene Selection Algorithm Based on Redundancy and Multi-gene Analysis”, *International Journal of Information Technology*, Vol. 11, No. 8, 2005
- Jinwen Ma, Shunqun Fu, “On the correct convergence of the EM algorithm for Gaussian mixtures”, *Pattern Recognition*, vol.38, No.12, 2005. (I conducted the simulations for this paper and was acknowledged in it.)
- Einas Alkuwari, Karim Khetani, Nandini Dendukuri, **Liangliang Wang**, Manon Auger, “Quantitative Assessment of Nuclear Grooves in Neoplastic and Non-Neoplastic Lesions in Fine-Needle Aspirations (FNAs) of the Thyroid A retrospective cytohistologic study of 94 cases”, accepted by *the 16th International Congress of Cytology 2007*

Presentations

- Jiguo Cao, James O. Ramsay, Timothy O. Ramsay, **Liangliang Wang**, July 2006, “Generalized Profiling Method for Semi-parametric Generalized Additive Model”, *XXIII International Biometric Conference*, Montreal, Canada.
- **Liangliang Wang**, Jinwen Ma, August 2005, “A Post-filtering Gene Selection Algorithm Based on Redundancy and Multi-gene Analysis”, *International Conference on Intelligent Computing (ICIC)*, Hefei, China.

Posters

- Madhukar Pai, Nandini Dendukuri, **Liangliang Wang**, Rajnish Joshi, Sandeep Dogra, SP Kalantri, Deepak Mendiratta, Pratibha Narang, Dick Menzies, Hans L Rieder, October 2006, “Estimation of prevalence of tuberculosis infection among Indian health care workers: a comparison of conventional and model-based approaches”, *37th Union World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union)*, Paris, France.

Teaching Experience

- **Teaching assistant**, *Calculus*, Department of Mathematics and Statistics, McGill University, Jan 2007 – current
- **Lecturer**, *C++ Language Programming*, School of Applied Arts and Sciences, Peking University, Feb 2005 – Jul 2005
- **Teaching assistant**, *Digital Information Processing*, Peking University, Feb 2004 – Jul 2004
- **Teaching assistant**, *Introduction to Computing*, Peking University, Feb 2003 – Jul 2003

Computer Skills

- Developing R packages using object-oriented programming.
- C/C++, SAS, S-Plus, R, Matlab, WinBUGS etc.

Awards

- Internal Fellowship, Department of Epidemiology and Biostatistics, McGill University, 2005
- Excellent Graduate of Peking University, 2005
- Excellent Student Award, Peking University, 2003
- Yang-Wang Academician Scholarship, 2003, which gave to the top 2 graduate student in School of Mathematical Sciences (around 80 graduate students in total) of Peking University based on the academic record.
- First Class Scholarship, Zhengzhou University, China, 1999 – 2001, which gave to the top 7 undergraduate students in School of Information Engineering (around 180 students in total) of Zhengzhou University based on the academic record.

Training

- 23rd International Biometric Conference, Jul 2006, Montreal, Canada
- Annual Meeting of the Statistical Society of Canada (SSC), Jun 2006, London, Canada
- Weekly Seminar on System Biology, Oct 2004 – Dec 2004, Beijing, China, organized by School of Mathematical Sciences, Peking University
- International Conference on Differential Equations and Applications in Mathematical Biology, Jul 2004, Nanaimo, Canada
- Peking-Tsinghua Bioinformatics Summer School, Jul 2004, Beijing, China, given by Dr. Jun Liu, Department of Statistics, Harvard University
- Weekly Seminar on Informatics and Signal Processing, Sep 2003 – July 2005, Beijing, China, organized by School of Mathematical Sciences, Peking University
- Weekly Seminar on Machine Learning, Feb 2003 – Jul 2003, Beijing, China, organized by School of Mathematical Sciences, Peking University

Referees

Prof. James O. Ramsay

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Dr. Nandini Dendukuri

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Dr. Alain C. Vandal

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