*Curriculum Vitae*

**Yu-Ting Chen, PhD Student**

**Address:** 9506 Hudson Lane

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**Education:**

2012-present PhD student, Department of Bioinformatics and Biostatistics

University of Louisville

Louisville, KY 40208

Mentor: Dr. Somnath Datta

2009-2010 M.S., Biostatistics

University of Louisville

Louisville, KY 40208

Mentor: Dr. John Myers

Thesis: “Does the Healthy Hoops Kentucky Program Improve the Health of Children with Asthma?”

2007-2009 M.P.H., Public Health, Biostatistics

University of Louisville

Louisville, KY 40208

Mentor: Dr. John Myers

Practicum: “Using Healthy Hoops Kentucky to Develop Interventions to Increase the Quality of Life of Kids with Asthma”

2001-2005 B.S., Public Health

China Medical University

Taichung , Taiwan 404

Mentor: Dr. Fung-Chang Sung and Dr. Hsien-Wen Kuo

Thesis: “Investigating into the Smoking Behavior of Taiwanese Teenagers in Taichung”

**Professional Experiences:**

2012-present Research Assistant (GRA) – University of Louisville Department of Biostatistics and Bioinformatics, Louisville, KY 40208

* Working on the project, Novel Statistical Models For Dental Caries.

2011/5-2012/7 Research Assistant - National Health Research Institutes, Miaoli, Taiwan 350

* Worked on several pharmacogenomic studies and genome-wide association studies.
* Responsible for data analyze, writing reports and manuscripts, and making presentations.
* Interpreted information concerning the roles of these pharmcodynamic and pharmacokinetic genes as indicators for the treatment responses, the plasma concentrations and the side effects for different diseases.
* Performed data analyses using SAS, Plink, and Golden Helix.

2010/8-2010/12 Research Assistant (GRA) – University of Louisville Department of Biostatistics and Bioinformatics, Louisville, KY 40208

* Worked on the statistical analysis of Gas Chromatography Retention Indices Project
* Responsible for data analyze, writing reports and manuscripts, and making presentations.
* Applied multiple imputation (MI) and Markov Chain Monte Carlo (MCMC) for missing data.
* Conducted simulation by using R
* Performed data analyses using R, SAS, and SPSS.

2009/5-2009-8 Internship – Louisville Metro Department of Public Health and Wellness,

2010/7-2010/12 Louisville, KY 40202

* Conducted data analyses and data cleaning on various projects to include the Health Status Assessment Report, BRFSS project, and Mobilizing for Action through Planning & Partnerships (MAPP).
* Provided researchers, policy makers, and public with credible, reliable health information.
* Responsible for data analyzing by using SPSS.
* Completed reports and assisted in manuscript writing.

2009/1-2009/4 Research Assistant (GRA) – University of Louisville Department of Health Promotion and Behavioral Sciences, Louisville, KY 40208

* Collaborated as a data analyst on a multi-center study on Kentucky Coordinated School Health Asthma Project.
* Applied data manipulation skills using various statistical software packages.
* Entered data from questionnaires and ran frequencies to check for data inconsistencies.
* Analyzed data by using SAS and SPSS.
* Provided statistical reports of findings.

2009/1-2009/4 Research Assistant (GRA) – University of Louisville Department of Biostatistics and Bioinformatics, Louisville, KY 40208

* Collaborated with faculty on the R Project.
* Responsible for doing simulation, writing reports, manuscripts, and presenting using various media.
* Conducted simulation for the R Project using R.

**Research Interests:** Biostatistical methods for genomic studies and genome-wide association studies

**Honors:**

* Sponsored Research Tuition Award – University of Louisville Department of Bioinformatics and Biostatistics (2012)
* Tuition Support Award – University of Louisville International Center, Louisville, KY (2010)
* Tuition Support Award – University of Louisville International Center, Louisville, KY (2009)
* Travel award – 2009 ENAR Diversity Workshop, San Antonio, TX (2009)
* Travel award – Workshop on Statistical Methods in Drug Abuse and Health-Related Research, *Lexington, KY* (2008)

**Publications:**

* **Yu-Ting Chen**, Hsiao-Hui Tsou, Hsiang-Wei Kuo, Chiu-Ping Fang, Sheng-Chang Wang, Ing-Kang Ho, Chia-Hui Chen, Chin-Fu Hsiao, Hsiao-Yu Wu, Keh-Ming Lin, Andrew C.H. Chen, Jyy-Jih Tsai-Wu, and Yu-Li Liu. *OPRM1 genetic polymorphisms are associated with cigarette smoking in methadone maintenance patients*. Journal of Human Genetics. 2013 Feb; 58:84-89.
* Jia-Ni Tian, Ing-Kang Ho, Hsiao-Hui Tsou, Chiu-Ping Fang, Chin-Fu Hsiao,Chia-Hui Chen, Happy Kuy-Lok Tan, Linen Lin, Chi-Shin Wu, Lien-Wen Su, Chieh-Liang Huang, Yi-Hong Yang, Ming-Lun Liu, **Yu-Ting Chen**, Shu Chih Liu, Ya-Ting Hsu, Hsiang-Wei Kuo, Chen Ting Liu, Yi-Ting Yang, Andrew C.H. Chen, Yu-Huei Shih, and Yu-Li Liu. *UGT2B7 genetic polymorphisms are associated with the withdrawal symptoms in methadone maintenance patients*. Pharmacogenomics. 2012 Jun;13(8):879-88.
* Sheng-Chang Wang, Hsiao-Hui Tsou, Chia-Hui Chen, **Yu-Ting Chen**, Ing-Kang Ho, Chin-Fu Hsiao, Sun-Yuan Chou, Yen-Feng Lin, Kai-Chi Fang, Chieh-Liang Huang, Lien-Wen Su, Yong-Chun Fang, Ming-Lun Liu, Hsiao-Yu Wu, Keh-Ming Lin, Shu Chih Liu, Hsiang-Wei Kuo, I-Chen Chiang, Andrew C.H. Chen, Jia-Ni Tian, and Yu-Li Liu. *Genetic polymorphisms in the opioid receptor mu1 gene are associated with changes in libido and insomnia in methadone maintenance patients.* European Neuropsychopharmacology 2012 Oct; 22(10): 695-703. doi:10.1016/j.euroneuro.2012.02.002
* John A. Myers, Robert William Prasaad Steiner, James Legleiter, **Yu-Ting Chen**, Robert Esterhay. *Appropriate Statistical Testing of Quality of Life Scores from Children with Asthma and Their Caregivers.* Open Access Medical Statistics 2012:2 15–20.
* 2012 Health Status Assessment Report. The Office of Policy Planning, Department of Public Health and Wellness, Louisville Metro, Kentucky. March 2012
* 2009 Health Status Assessment Report. The Office of Policy Planning, Department of Public Health and Wellness, Louisville Metro, Kentucky. December 2009.

**Posters:**

* **Yu-Ting Chen**, Hsiang-Wei Kuo, Sheng-Chang Wang, Ing-Kang Ho, Chiu-Ping Fang, and Yu-Li Liu. *Genetic polymorphisms of OPRM1, OPRD1 and OPRL1 are associated with plasma nicotine metabolite concentration in methadone maintenance patients*. 2012 Annual Meeting of the Taiwan Genomic Medicine and Biomarker Society, 2012 June 1-2, Tainan, Taiwan. P-16.
* **Yu-Ting Chen**, Hsiao-Hui Tsou, Hsiang-Wei Kuo, Chiu-Ping Fang, Sheng-Chang Wang, Ing-Kang Ho, Chia-Hui Chen, Chin-Fu Hsiao, Ya-Ting Hsu, Keh-Ming Lin, Andrew C.H. Chen, Jyy-Jih Tsai-Wu and Yu-Li Liu. *Genetic polymorphisms of OPRM1 are associated with smoking: a validation through nicotine metabolite cotinine in methadone maintenance patients*. The 27th joint annual conference of biomedical sciences, 2012 March 17-18, Taipei, Taiwan. P-119.
* **Yu-Ting Chen**, Jun Zhang, Xiang Zhang, Seongho Kim. *Statistical analysis of gas chromatography retention index database.* Bioinformatics and Biomedical Engineering (iCBBE), 2011 5th International Conference, May 10-12, Wuhan, China.