

CURRICULUM VITAE

Ya-Feng (Jay) Wen, PharmD, PhD Candidate

Contact Information

Office Address:	University of Minnesota College of Pharmacy Department of Experimental and Clinical Pharmacology 7-115 Weaver-Densford Hall, 308 Harvard Street SE Minneapolis, MN 55455
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Professional Licensure:	Minnesota Board of Pharmacy, No. 123531, 2017-Present (active) Taiwan, Board of Pharmacy, No. 035659, 2010-Present (active)

Education

Aug 2017- Present	Doctor of Philosophy in Experimental and Clinical Pharmacology Minor in Biostatistics (from School of Public Health) College of Pharmacy, University of Minnesota, Minneapolis, MN Advisor: Robert J. Straka, Pharm.D., FCCP Committee: Richard Brundage, Pharm.D., Ph.D.; Jeffery Bishop, Pharm.D., M.S.; Weihua Guan, Ph.D.
Aug 2013- May 2017	Doctor of Pharmacy <i>Cum Laude</i> College of Pharmacy, University of Minnesota, Duluth, MN Graduated with Research Emphasis and Honor Program
Sep 2006- June 2010	Bachelor of Science in Pharmacy School of Pharmacy, Taipei Medical University, Taipei, Taiwan

Research Interests

1. Pharmacometric modeling of small molecules to improve pharmacotherapy
 - 1) Population pharmacokinetic-pharmacodynamic modeling of allopurinol
 - 2) Drug-drug interaction between clopidogrel and CYP2C19 inhibitors with consideration of CYP2C19 phenotypes
2. Pharmacogenomic investigations and clinical implementation in special populations
 - 1) Gout in Hmong and their response to allopurinol
 - 2) Bioinformatic analysis on genetic variant
 - 3) Adaptation of pharmacogenetic testing in special populations
3. Microbiome contribution to disease development
 - 1) Prediction of uric acid response to food by microbiome

Research Experience

PhD Research Experience

Aug 2017-Present	Research Assistant College of Pharmacy, University of Minnesota, Twin Cities, MN Principal Investigator: Robert J. Straka, Pharm.D., FCCP <ol style="list-style-type: none"> 1. Develop individualized allopurinol dosing algorithm by considering genetic variations and potential drug-drug interaction 2. Determine genetic variations within Very Important Pharmacogenes (VIPs) using genotyping and sequencing and study its clinical consequences
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3. Design clinical study to quantify vitamin C effect on urate by microbiome and genetic variants
4. Identify genetic determinant of urate lowering response from fenofibrate through genome-wide association study

June 2019-Aug 2019

Summer Intern

Clinical Development, OneOme, LLC, Minneapolis, MN

Supervisor: Kathleen Bosse, Pharm.D.

1. Evaluated evidence regarding pharmacokinetics and/or pharmacodynamics of drugs with relevant (or potential) pharmacogenetics associations to support product development

PharmD Research Experience

Aug 2015- May 2017

Research Assistant

College of Pharmacy, University of Minnesota, Duluth, MN

Principal Investigator: Meg Little, EdD, RN

1. Analyzed the survey data of Licensed School Nurse-Pharmacist Partnerships Initiative Program

Aug 2014-May 2017

Research Assistant

Opioid Abuse Response Strategies Work Group, Duluth, MN

Principal Investigator: Mark E. Schneiderhan, Pharm.D., BCPP

1. Raised the awareness of opioid dependence in local community
2. Analyzed survey data and drafted the manuscript for Naloxone Rescue and Opioid Prescribing Prescriber Education study

Nov 2016-Dec 2016

Health Informatics Rotation

North Memorial Medical Center Pharmacy, Robbinsdale, MN

Preceptor: Nicholas Schutz, Pharm.D.

1. Participated in pharmacy management and Pharmacy/IT meetings
2. Used Clarity to analysis clinical data and adopt Lean and Six Sigma strategies to propose a recommendation to improve medication distribution in the observational unit

Aug 2016-Sep 2016

Research Rotation

Office of Clinical Pharmacology, Center for Drug Evaluation and Research, Food and Drug Administration, Silver Spring, MD

Preceptor: Yow-Ming Wang, Ph.D. and Christine Yuen-Yi Hon, Pharm.D.

1. Evaluated the role of body weight in the dosing regimen of therapeutic proteins by using up-to-date "purple book" database and United States product insert submitted by manufactures

June 2015-Aug 2015

CTSI Advanced Research Program Scholar

Clinical and Translational Science Institute, University of Minnesota

Principal Investigator: Robert J. Straka, Pharm.D., FCCP

1. Conducted study on the Genetic Basis of Gout in a Hmong Population at Risk, an adjunct study of pharmacokinetic (PK), pharmacogenetic and pharmacodynamic (PD) data collected by the Genetics Of HyperUricemia Therapy in Hmong (GOUT-H) study. (NCT02371421)

June 2014-July 2014

Research Assistant

Essentia Health East Heart and Vascular Center, Duluth, MN

Principal Investigator: Wilson L. Ginete, MD, FACC, FSCAI

1. Outcomes based evaluation of intra-aortic balloon pump in coronary artery

bypass graft patients

Undergraduate Research Experience

Aug 2012-July 2013

Research Assistant

College of Pharmacy, Taipei Medical University, Taipei, Taiwan

Principal Investigator: Wei-Chiao Chang, D.Phil.; Oxon

1. Studied SNPs in patients with immune diseases with primary focus of ankylosing spondylitis
2. Identified the risk factors of bronchial asthma
3. Created laboratory website. URL: <http://tw SNP.tmu.edu.tw>

Dec 2011-June 2012

Research Assistant

College of Pharmacy, Taipei Medical University, Taipei, Taiwan

Principal Investigator: Shawn Hsiang-Yin Chen, B.Sc., Pharm.D.

1. Constructed an online learning platform of 17 lectures related to pharmacogenomics and proteomics
2. Built an online database that describe the impact of genetic variation on drug response for clinicians and researchers in Taiwan population (118 drugs). URL: <http://cp.tmu.edu.tw/Pharmaco/Default.aspx>
3. Assisted in the research of correlation between lifestyle and attention deficient/ hyperactivity disorder

Sep 2008-Feb 2009

Student Research

Medicinal and Bioorganic Chemistry,

Institute of Chemistry Academia Sinica, Taipei, Taiwan

Principal Investigator: Wen-Shan Li, Ph.D.

1. Learned about synthetic chemistry of an anticancer drug, specifically Glutathione S-Transferase Inhibitors

Employment Experience

Aug 2017- Present

Teaching Assistant

College of Pharmacy, University of Minnesota

PHAR 6736 Cardiovascular Pharmacotherapy (2017 Fall, 2018 Fall, 2019 Fall, and 2020 Fall); PHAR 6754 Diabetes and Metabolic Syndrome (2018 Spring); PHAR 6224 Pharmacogenomics (2018 Fall, 2019 Fall)

June 2015- June 2017

Pharmacy Intern

Allina Health Apple Valley Medical Center, Apple Valley, MN

Preceptor: Matthew Jacobs, RPh.

Aug 2015- May 2016

Teaching Assistant

College of Pharmacy, University of Minnesota-Duluth

PHAR 6708 and PHAR 6718 Drug Delivery I and II;

PHAR 6720 Pharmaceutical Care Lab II

Peer Reviewed Publications

1. **Wen YF**, Schullo-Feulner A, Straka RJ, Sun B, Margraf D, Coons J. Characterizing the types, rates, risk factors of COVID-19 associated arrhythmia: A Systematic Review, Meta-Analysis and Meta-Regression Analysis. (In preparation)
2. **Wen YF**, Brundage R, Straka RJ. The Impact of *SLC22A12* Genotype on Pharmacokinetics and Pharmacodynamics of Allopurinol in Hmong with Gout and/or Hyperuricemia. (In preparation)

3. **Wen YF**, Nelson J, Sayre F, Brown SJ, Straka RJ. Systematic review of genetic factors related to the selection and use of urate lowering therapy in patients with gout and/or hyperuricemia. (In preparation)
4. Sun B, **Wen YF**, Culhane-Pera KA, Thyagarajan B, Bishop J, Zierhut H, Muaj Lo M, Xiong T, Peng K, Holzer K, Lee K, and Straka RJ. Differences in predicted warfarin dosing requirements between Hmong and East Asians using a genotype-based dosing algorithm. *Pharmacotherapy*. 2020 Nov 17. doi: 10.1002/phar.2487.
5. Holzer K, Culhane-Pera KA, Straka RJ, **Wen YF**, Lo M, Lee K, Xiong T, Peng K, Bishop J, Thyagarajan B, HA Zierhut. Hmong participants' reactions to return of individual and community pharmacogenetic research results: "A positive light for our community". *Journal of community genetics*. 2020. <https://doi.org/10.1007/s12687-020-00475-3>
6. **Wen YF**, Culhane-Pera KA, Thyagarajan B, Bishop J, Zierhut H, Muaj Lo M, Xiong T, Peng K, Holzer K, Lee K, and Straka RJ. Differences in Allele Frequency between Minnesota Hmong and East Asian Population in Key Genetic Variants within Very Important Pharmacogenes (VIPs). *Pharmacotherapy* 2020;40(2):142-52. Epub 2019/12/31.
7. Peng K, Bjork J, **Wen YF**, Roman YM, Culhane-Pera K, Lo M, Gertner E, Straka RJ. HLA -B*58:01 Carrier Status in the Minnesota Hmong: First in Hmong Genotyping for Prevalence of this Biomarker of Risk for Severe Cutaneous Adverse Reactions (SCARs) Caused by Allopurinol. *Pharmacogenet Genomics*. 2019 Oct 25. doi: 10.1097/FPC.0000000000000391.
8. Little MM, Eischens S, Martin MJ, Nokleby S, Palombi LC, Van Kirk C, van Risseghem J, **Wen YF**, Wozniak JK, Yoney E, Seifert R. Medication management in Minnesota schools: The need for school nurse-pharmacist partnerships. *J Am Pharm Assoc (2003)*. 2018 Jan - Feb;58(1):67-72.e1. doi:10.1016/j.japh.2017.10.007.
9. Okoro ON, Bastianelli KM, **Wen YF**, Bilden E, Konowalchuk BK, and Schneiderhan ME. Awareness of State Legislation on Naloxone Accessibility Associated with Willingness to Prescribe Naloxone. *Substance Abuse*. 2017:00-. doi: 10.1080/08897077.2017.1356787.
10. Wei JC, Sung-Ching HW, Hsu YW, **Wen YF**, Wang WC, Wong RH, Lu HF, Gaalen FA, Chang WC. Interaction between HLA-B60 and HLA-B27 as a Better Predictor of Ankylosing Spondylitis in a Taiwanese Population. *PLoS One*. 2015 Oct 15;10(10):e0137189.
11. **Wen YF**, Wei JC, Hsu YW, Chiou HY, Wong HS, Wong RH, Ikegawa S, Chang WC. rs10865331 associated with susceptibility and disease severity of ankylosing spondylitis in a Taiwanese population. *PLoS One*. 2014 Sep 3;9(9):e104525.
12. Chang WC, Yang KD, Wu MT, **Wen YF**, Hsi E, Chang JC, Lin YM, Kuo HC, Chang WP. Close Correlation between Season of Birth and the Prevalence of Bronchial Asthma in a Taiwanese Population. *PLoS One*. 2013 Nov 20;8(11):e80285.

Book Chapters

1. Hough R, **Wen YF**, Huff JT, Kibert J, Finks SW. Hypertension; Chapter in *Pharmacotherapy Principles & Practice*, Sixth Edition by Marie A. Chisholm-Burns, Terry L. Schwinghammer, Barbara G. Wells, Patrick M. Malone, Jill M. Kolesar, Joseph T. DiPiro McGraw-Hill 2020. (In preparation)
2. **Wen YF**, Hough R, Parra D, Straka RJ. "Consensus Document on Improving Hypertension Management in Asian Patients." *Pharmacotherapy Updates*, 2 December 2019. McGraw-Hill, New York, NY, 2019. *AccessPharmacy*. (Available online: https://z.umn.edu/ppp_htn_update)
3. Van Hooser J, **Wen YF**, Hager KD. Hypertension: Newly Diagnosed; Chapter 2 in *Pharmacotherapy Principles and Practice Study Guide: A Case-Based Care Plan Approach*, First Edition by Michael D. Katz, Kathryn R Matthias, Marie A Chisholm-Burns McGraw-Hill 2019 (Available online through AccessPharmacy)
4. Van Hooser J, **Wen YF**, Hager KD. Uncontrolled Hypertension; Chapter 3 in *Pharmacotherapy Principles and Practice Study Guide: A Case-Based Care Plan Approach*, First Edition by Michael D. Katz, Kathryn R Matthias, Marie A Chisholm-Burns McGraw-Hill 2019 (Available online through AccessPharmacy)
5. Hough R, **Wen YF**, Cave B, Parra D, Straka RJ. Hypertension; Chapter in *Pharmacotherapy Principles & Practice*, Fifth Edition by Marie A. Chisholm-Burns, Terry L. Schwinghammer, Barbara G. Wells, Patrick M. Malone, Jill M. Kolesar, Joseph T. DiPiro McGraw-Hill 2018.

Abstracts (Podium and Poster Presentations)

1. **Wen YF**, Brundage R, Straka RJ. The Impact of *SLC22A12* Genotype on Pharmacokinetics and Pharmacodynamics of Allopurinol in Hmong with Gout and/or Hyperuricemia. November 9-13, 2020. American Conference on Pharmacometrics 11, Virtual. Poster THU-070.
2. **Wen YF**, Gaedigk A, Boone E, Wang W, Straka RJ. Genetic variation of *CYP2D6* in US Hmong, an Underserved Community. October 26, 2020. Pharmacogenomics Research Network Conference, Virtual. Poster 52.
3. Nelson JM, **Wen YF**, Culhan-Pera KA, Lo M, Xiong T, Lee K, Peng K, Thyagarajan B, Bishop J, Zierhut H, Straka RJ. Pharmacogenomics as a guide to improve antidepressant drug selection and dosing in the Minnesota Hmong. October 24-27, 2020. American College of Clinical Pharmacy Annual Meeting, Virtual.
4. **Wen YF**, Sayre F, Nelson J, Straka RJ. Systematic review of genetic factors related to the selection and use of urate lowering therapy in patients with gout and/or hyperuricemia. (Accepted at 2020 ASCPT Annual Conference, Houston, TX. Conference was canceled due to COVID-19.)
5. Straka RJ, Culhane-Pera KA, Bishop J, Holzer K, Lee K, Lo M, Peng K, Thyagarajan B., **Wen YF**, Xiong T, Zierhut H. Very Important Pharmacogenes in the Hmong Community. Presented as a podium presentation at the 2019 North American Primary Care Research Group (NAPCRG) 47th Annual Meeting, Toronto, Ontario, Canada, November 16–20, 2019 Abstract 652
6. Culhane-Pera KA, Straka RJ, Bishop J, Holzer K, Lee K, Lo M, Peng K, Thyagarajan B., **Wen YF**, Xiong T, Zierhut H. Hmong Research Participants' Responses to their Results in "Very Important Pharmacogenes in the Hmong" (VIP-Hmong) Study. Presented as a podium presentation at the 2019 North American Primary Care Research Group (NAPCRG) 47th Annual Meeting, Toronto, Ontario, Canada, November 16–20, 2019 Abstract 650
7. Nelson JM, **Wen YF**, Straka RJ. Pharmacogenomics as a guide to improve psychiatric drug selection and dosing in the Minnesota Hmong. September 16, 2019 CTSI URP & ARP Poster Session, University of Minnesota, Minneapolis, MN.
8. Sun B, **Wen YF**, Culhane-Pera KA, Straka RJ. Differences in predicted warfarin dosing requirements for Hmong vs East Asians using a genotype-based dosing algorithm. October 26-29, 2019 American College of Clinical Pharmacy Annual Meeting, New York, NY.
9. Culhane-Pera KA, **Wen YF**. Pharmacogenetic differences between Hmong and East Asians Populations. March 2, 2019 Minnesota Academy of Family Physicians, 2019 Innovation & Research Forum, Bloomington, MN. (Podium Presentation, selected as one of three Projects of Greatest Interest)
10. Xiong T, Holzer K, Lee K, Peng K, Xiong S, Zierhut H, Thyagarajan B, Bishop J, **Wen YF**, Straka RJ. Hmong Research Participants' Reactions to Their Pharmacogenetic Results. March 2, 2019 Minnesota Academy of Family Physicians, 2019 Innovation & Research Forum, Bloomington, MN.
11. **Wen YF**, Culhane-Pera KA, Thyagarajan B, Bishop J, Zierhut H, Muaj Lo M, Xiong T, Peng K, Holzer K, Lee K, and Straka RJ. Differences in Allele Frequency between Minnesota Hmong and East Asian Population in Key Genetic Variants within Very Important Pharmacogenes (VIPs). October 20-23, 2018 American College of Clinical Pharmacy Global Conference, Seattle, WA.
12. **Wen YF** and Wang YM. Does weight matter in the dosing of therapeutic biologics? December 4-8, 2016 American Society of Health-System Pharmacists Midyear Conference, Las Vegas, NV.
13. **Wen YF** and Stratton TP. Adoption of Pharmacogenomics Results in Clinical Settings: Experience in Minnesota. April 14-15, 2016 Minnesota Society of Hospital Pharmacy Conference, St. Cloud, MN.
14. **Wen YF**, Roman YM, Culhane-Pera KA, Yang J, Yang S, Lo M, Straka RJ. Exploring the Genetic Basis of Gout in a Hmong Population at Risk. September 17, 2015 CTSI URP & ARP Poster Session, University of Minnesota, Minneapolis, MN.

Professional Presentations and Public Media

1. **Opportunities and Challenges in Pharmacy in the US**. 2019 Taiwan-USA Pharmacy Forum. Taiwan Young Pharmacists' Group Program. July 27, 2019. Taipei, Taiwan. (Served as a panelist.)
2. Ya-Feng (Jay) Wen. **Genetic sources of variation for Serum Urate-lowering response to allopurinol: Implications for Genotype Guided Therapy**. Experimental and Clinical Pharmacology Seminar,

College of Pharmacy, University of Minnesota. February 20th, 2019

https://z.umn.edu/StudyDesign_GOUT-H

3. Ya-Feng (Jay) Wen. **Pharmacogenomics Investigation in Special Population (VIP Hmong Study)**. Experimental and Clinical Pharmacology Seminar, College of Pharmacy, University of Minnesota. February 28th, 2018 <https://z.umn.edu/VIP-Hmong>
4. Ya-Feng (Jay) Wen. **Research Experience with the Hmong Population**. MPSO Student Lunch Lecture. University of Minnesota, MN. December 1st, 2017
5. Ya-Feng (Jay) Wen. **Ethanol: tastes great! Fomepizole: less filling!** Regions Hospital, St. Paul, MN. March 29th, 2017 <https://goo.gl/0jcgssz>
6. Ya-Feng (Jay) Wen. **Streamline the Workphlow in the Observation Unit**. North Memorial Health Hospital, Robbinsdale, MN. December 15th, 2016 <https://goo.gl/225X3f>
7. Ya-Feng (Jay) Wen. **A Dark Side of Proton Pump Inhibitors**. Min-No-Aya-Win Clinic Pharmacy, Cloquet, MN. June 10th, 2016 <https://goo.gl/XsgBxx>
8. Helen Chiang and Ya-Feng (Jay) Wen. **Health Care System in Taiwan**. PHAR 6294 International Pharmacy and Leadership. College of Pharmacy, University of Minnesota-Duluth. January 20th, 2016 <https://goo.gl/I1X62f>
9. Mark E. Schneiderhan and Ya-Feng (Jay) Wen. Local view: Naloxone is safe and can prevent deaths from opioid overdose. Duluth News Tribune. Sept 14, 2014. <http://www.duluthnewstribune.com/users/mark-e-schneiderhan-and-jay-ya-feng-wen>

Academic Services

1. Student Representative of University of Minnesota, International Society of Pharmacometrics, 2019
2. Member on Pharm.D. Student Candidate Reviewing Committee, College of Pharmacy, University of Minnesota 2018, 2019
3. Reviewer for the Abstract, American Society for Clinical Pharmacology and Therapeutics 2019
4. Reviewer for the Travel Grant for Council of Graduate Students, University of Minnesota Fall 2018
5. Member on Grand Challenges Research Expo Planning Committee, University of Minnesota 2018
6. Member on Pharmacogenomics Conference Planning Committee, University of Minnesota 2018, 2020

Leadership Experience

April 2020-Dec 2020	Chair of Communication Committee International Society of Pharmacometrics Student Community
June 2015-June 2016	Webmaster Minnesota Pharmacy Student Alliance (MPSA) URL: http://mnpharmacy.org
June 2014-June 2015	Coordinator Minnesota Pharmacy Student Alliance (MPSA)-Operation Heart
June 2014-June 2015	Education Coordinator University of Minnesota – Duluth Health Occupations Students of America (HOSA)
June 2010-July 2011	Second Lieutenant Military Service, XinGang Security Inspection Office, Coast Guard Administration, Taiwan

Honors and Achievements

1. 2020 Robert J. Straka Fellowship, College of Pharmacy, University of Minnesota
2. 2020-21 Doctoral Dissertation Fellowship, University of Minnesota
3. 2019 Robert J. Straka Fellowship, College of Pharmacy, University of Minnesota
4. 2018 Post-Graduate Recipient for American College of Clinical Pharmacy, Cardiology PRN Travel Award.
5. 2018 Spring Semester TA Award, College of Pharmacy, University of Minnesota-Minneapolis

6. 2017 Award for Excellence in Experiential Education for Non-Patient Care Electives (Research and Health Informatics), College of Pharmacy, University of Minnesota
7. 2016-2017 Izaak M Kolthoff Rho Chi Research Award, College of Pharmacy, University of Minnesota (For graduating student who has contributed to and shown promise of excellence in research in pharmaceutical sciences.)
8. 2016 Spring Semester TA Award, College of Pharmacy, University of Minnesota-Duluth
9. 2016 Best Poster Presenter Award at Research Day, College of Pharmacy, University of Minnesota-Duluth
10. 2016 Viewer Choice Award, Talent Show, College of Pharmacy, University of Minnesota-Duluth
11. 2015 Fall Semester TA Award, College of Pharmacy, University of Minnesota-Duluth
12. 2014-2015 Carol A. Beaty Memorial Award, College of Pharmacy, University of Minnesota (For the student demonstrating the greatest capability and/or interest in the area of computer applications in pharmacy.)
13. 2014 Minnesota Pharmacists Foundation Scholarship
14. 2013-2014 Patient Care Superhero/Award, Minnesota Pharmacy Student Alliance, College of Pharmacy, University of Minnesota-Duluth

Competitions

Oct 2016-Dec 2016	2016 ASHP Clinical Skills Competition Represent University of Minnesota to join the national competition
Oct 2016-Nov 2016	The 2016 FDA Naloxone App Competition Proposed an App idea to improve naloxone accessibility to the people who need it and reduce number of death from opioid overdose
Dec 2015-Jan 2016	AMCP 16th Annual National Student Pharmacist P&T Competition Evaluated the clinical and economic efficacy of inhaled iloprost (Ventavis®) in pulmonary hypertension
Feb 16 th -20 th , 2015	Cultural Competency Case Competition, Second Place Created a care plan and a consultation video considering the cultural competency
Jan 2015-Mar 2015	2015 CLARION Case Competition Created an innovated but feasible plan to improve health care system by cooperating with other professional discipline students
Dec 2014-Jan 2015	AMCP 15th Annual National Student Pharmacist P&T Competition Evaluated the clinical and economic efficacy of ipilimumab (Yervoy®) injection in unresectable stage III/IV melanoma
Jan 2014-Feb 2014	2014 Emory Global Health Case Competition Worked with other professionals to create feasible health policy in Africa countries
Dec 2013-Jan 2014	AMCP 14th Annual National Student Pharmacist P&T Competition Evaluated the clinical and economic efficacy of aflibercept for intravitreal injection (Eylea®) in patients with neovascular age-related macular degeneration, and macular edema following central retinal vein occlusion
Mar 2008-June 2008	6th ATONA National Business Case Competition Planned a 2-year market promoting project for an OTC product, Lamisil®

Community Outreach

Nov 2017-Present	Pharmacy Preceptor, Philips Neighborhood Clinic, Minneapolis, MN
Sep 2017-Present	Pharmacy Preceptor, MPSA and MPSO, College of Pharmacy, University of Minnesota
Oct 2014-May 2015	Duluth Senior Linkage Line
Oct 2014-May 2015	Rural AIDS Action Network, Syringe Exchange
Sept 2013-May 2015	Health Fairs
Aug, 2012	Wake Foundation, Lakhimpur, India
Sep, 2009	21st Summer Deaflympics, Taipei

Relevant Course Work

Pharmacometrics

ECP 8410 Population Kinetics; ECP 8430 Advanced Pharmacometrics; ECP 8440 Modeling Biologics; ECP 8501 Pharmacometrics; ECP 8503 Intermediate Pop PK/PD; ECP 8505 Applied PBPK modeling; PHM 8421 Advanced Pharmacokinetics

Genetic Analysis

GCD 3485 Bioinformatic Analysis; PubH 6381 Genetics in Public Health; PubH 7445 Statistics in Human Genetics; GCD 8920 Computational Genomics

Biostatistics

PubH 6450 Biostatistics I; PubH 6451 Biostatistics II; PubH 7401 Biostatistical Inference; PubH 7402 Biostat Modeling and Methods; PubH 7430 Stat Mthds for Correlated Data; CSCI 5525 Machine Learning

Software

Microsoft Office, including Excel, Power Point and Word	●●●●○
	<i>Very Good</i>
R	●●●○○
	<i>Good</i>
NONMEM	●●○○○
	<i>Average</i>
Python	●●○○○
	<i>Average</i>

Languages

English	●●●●○
	<i>Proficient</i>
Chinese	●●●●●
	<i>Native</i>

References

References available upon request