UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Date: 01/17/2017

Ping Wang, PhD, DABCC, FACB

Address: Director of Clinical Chemistry
Hospital of University of Pennsylvania
Associate Professor of Pathology and Laboratory Medicine
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Philadelphia, PA 19104 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

2000	BS	Tsinghua University, China (Biological Sciences & Biotechnology)
2005	PhD	University of Wisconsin-Madison (Molecular & Cellular Pharmacology)

Postgraduate Training and Fellowship Appointments:

2005-2007	Clinical Chemistry Fellowship, COMACC-accredited, University of California, San Francisco

Faculty Appointments:

2008-2013	Adjunct Assistant Professor, Department of Biology and Biochemistry, University of Houston, Houston, TX
2008-2013	Assistant Member, Houston Methodist Hospital Research Institute, Houston, TX
2008-2013	Assistant Professor, Department of Pathology, Weill Cornell Medical College, New York, NY
2013-2016	Associate Professor, Institute for Academic Medicine, Houston Methodist Hospital Research Institute, Houston, TX
2013-2016	Associate Member, Houston Methodist Hospital Research Institute, Houston, TX (Academic affiliate with shared faculty appointment through Weill-Cornell)
2013-2016	Associate Professor, Department of Pathology and Laboratory Medicine, Weill Cornell Medical College, New York, NY (Academic affiliate with shared faculty appointment)
2016-present	Associate Professor of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

2007-2016	Director, Clinical Chemistry, Houston Methodist Hospital, Houston, TX
2010-2016	Attending, Molecular Diagnostics, Houston Methodist Hospital, Houston, TX
2011-2016	Director, ComACC-accredited Clinical Chemistry Fellowship Program, Houston Methodist Hospital, Houston, TX
2016-Present	Director of Clinical Chemistry, Hospital of University of Pennsylvania

Other Appointments:

1999-2000	Research Assistant, Tsinghua University, China
2000-2005	Research Assistant, University of Wisconsin-Madison

Specialty Certification:

2008	American Board of Clinical Chemistry, Molecular Diagnostics subspecialty #47
2008	American Board of Clinical Chemistry, Clinical Chemistry subspecialty #1032
2011	American Board of Clinical Chemistry, Toxicological Chemistry subspecialty #127

Licensure:

2007-2017	Clinical Chemist Scientist, State of California

Awards, Honors and Membership in Honorary Societies:

1998	Novo Nordisk Scholarship in Life Sciences
2002-2004	American Heart Association Predoctoral Fellowship
2004	University of Wisconsin-Madison Vilas Travel Award
2006	Paul E Strandjord Young Investigator Award, Academy of Clinical Laboratory Physicians and Scientists
2006	American Association of Clinical Chemistry Annual Meeting, Student Poster Contest Award, Honorable Mention
2007	American Association of Clinical Chemistry Annual Meeting, Student Research Travel Grant
2009	National Academy of Clinical Biochemistry Distinguished Abstract Award
2009	Finalist, Outstanding Research Award in Molecular Pathology/Pharmacogenomics, AACC Molecular Pathology Division
2012	National Academy of Clinical Biochemistry Distinguished Abstract Award
2012	Finalist, Outstanding Research Award in Molecular Pathology/Pharmacogenomics, AACC Molecular Pathology Division
2013	Career Cornerstone Award

2016 Pathology Leadership Academy, Association of Pathology Chairs

Memberships in Professional and Scientific Societies and Other Professional Activities:

International:

2005-Present American Association of Clinical Chemistry (Member)

2006-Present Academy of Clinical Laboratory Physicians and Scientists (Member)

2010-2012 American Association of Clinical Chemistry, Therapeutic Drug Monitoring and Toxicology Division (Member-at-Large)

2010-2012 North American Chinese Clinical Chemists Association (Board Member-at-Large)

2011-Present Association of Molecular Pathology (Member)

2013-Present Immunosuppressant Scientific Committee, International Association of Therapeutic Drug Monitoring and Clinical Toxicology (Member)

2014-2015 American Association of Clinical Chemistry, Lipoproteins and Vascular Diseases (Secretary)

2014-2016 American Board of Clinical Chemistry (Vice President and Chair Examination Committee 2014-Present; Chair, ABCC Electronic Testing Task Force 2014-Present)

2015-Present North American Chinese Clinical Chemists Association (Treasurer)

2015-Present Unitegen (Scientific Advisory Board Member 2015-Present)

2017-Present American Board of Clinical Chemistry (President)

2017-Present Personalized Medicine Division, American Association of Clinical Chemistry (President Elect)

National:

2008-Present National Academy of Clinical Biochemistry (Fellow)

2016 Commission on Accreditation of Clinical Chemistry (Commissioner)

Local:

2006 Northern California Section, American Association of Clinical Chemistry (Secretary)

Editorial Positions:

2008-2010 Abstract Review Subcommittee, AACC Annual Meeting Organizing Committee

2010-2012	Reviewer, CAP Annual Meeting Abstract Program
2010-Present	Ad hoc reviewer (by invitation), Pharmacogenomics
2011-Present	Ad hoc reviewer (by invitation), Clinical Chemistry and Laboratory Medicine
2011-Present	Ad hoc reviewer (by invitation), Pathology-Research and Practice
2011-Present	Section Editor, Clinical Chemistry, Archives of Pathology and Laboratory Medicine
2012-Present	Ad hoc reviewer (by invitation), Diabetes Research and Clinical Practice, Clinical Nephrology
2012-Present	Ad hoc reviewer (by invitation), Clinica Chimica Acta
2012-Present	Ad hoc reviewer (by invitation), PLOS One
2016-Present	Ad hoc reviewer (by invitation), Cardiovascular Therapeutics
2016-Present	Editorial Board, Frontiers in Laboratory Medicine

Academic and Institutional Committees:

2006-2007	Member, Pharmacogenomics Working Group, University of California, San Francisco
2010-Present	Chair, System-wide Point of Care Committee, Houston Methodist Hospital, Houston, TX
2010-Present	Member, Laboratory Care Management Performance Improvement Committee, Houston Methodist Hospital, Houston, TX
2010-2013	Member, Pathology Resident and Fellow Innovation Award, Committee Houston Methodist Hospital, Houston, TX
2010	Member, Pathology Space Planning Committee Houston, Methodist Hospital, Houston, TX
2010-Present	Member, Pathology Grand Rounds Organizing Committee, Houston Methodist Hospital, Houston, TX
2010-2014	Member, Institutional Biosafety Committee and Hazardous Substances Committee, Houston Methodist Hospital, Houston, TX
2011-Present	Member, Pathology Newsletter Committee, Houston Methodist Hospital, Houston, TX
2011-Present	Established and led the Clinical Chemistry Postdoctoral Fellowship Program to pass ComACC initial and renewal accreditation, Houston Methodist Hospital, Houston, TX
2012-Present	Member, Diabetes Advisory Council, Houston Methodist Hospital, Houston, TX
2014-Present	Member, Ebola Special Testing Laboratory Operation, Committee Houston Methodist Hospital, Houston, TX
2015-Present	Member, EPIC Research Informatics Steering, Committee Houston Methodist Hospital, Houston, TX

Major Academic and Clinical Teaching Responsibilities:

2005-2007	Lecturer, Journal Club for Pathology Residents and Fellows, University of California, San Francisco/San Francisco General Hospital

2006-2007	Lecturer, Toxicology In-service for Toxicology Clinical Laboratory Scientists, University of California, San Francisco/San Francisco General Hospital
2006-2007	Lecturer, Chemistry Rounds for Pathology Residents and Clinical Laboratory Scientists, University of California, San Francisco/San Francisco General Hospital
2006-2007	Lecturer, Continuing Education Courses for Clinical Laboratory Scientists, University of California, San Francisco/San Francisco General Hospital
2006-2007	Lecturer, Core Curriculum Lectures for Pathology Residents and Fellows, University of California, San Francisco
2007-Present	Mentor, Clinical Chemistry case-based teaching and tutoring, Houston Methodist Hospital, Houston, TX
2007-Present	Lecturer, Clinical Chemistry Lectures for Medical Technology Students, Houston Methodist Hospital, Houston, TX
2007-Present	Lecturer, Clinical Chemistry Lectures for Pathology Residents, Houston Methodist Hospital, Houston, TX
2007	Lecturer, "Pharmacogenomics/ Personalized Medicine for Drug Therapy", Houston Methodist Hospital Research Institute Interdisciplinary Research Colloquium, Houston, TX
2008-Present	Question writer, Clinical Chemistry Pathology Bowl, Houston Methodist Hospital, Houston, TX
2010	Lecturer, Transfusion Medicine Rounds, Houston Methodist Hospital, Houston, TX
2011-Present	Lecturer and mentor, Clinical Chemistry Postdoctoral Fellowship Program, Houston Methodist Hospital, Houston, TX

Lectures by Invitation:

Feb, 2007	"Pharmacogenomics/ Personalized Medicine for Warfarin Therapy." Baychem Symposium, San Leandro, CA.
Apr, 2007	"From Bench to Bedside: Clinical Biochemistry to Reveal Pathology of Diseases", Department of Biology and Biochemistry, University of Houston, Houston, TX
Apr, 2008	"Pharmacogenomics: Is It Ready for Clinical Application?", Department of Pathology Grand Rounds, University of Texas Medical Branch , Galveston, TX
Sep, 2008	"Pharmacogenomic Testing for Warfarin Anticoagulation", International Federation of Clinical Chemistry-WorldLab Fortaleza, Fortaleza, Brazil
Nov, 2008	"Using Pharmacogenomics to Improve Drug Safety", Harris County Medical Examiner's Office, Houston, TX
Feb, 2009	"Immunosuppressant Pharmacogenomics: A Dosing Algorithm Using a Candidate Gene Association Approach", Clinical Laboratory and Analytical Sciences Society 2009 Meeting, Boston, MA

Jul, 2013	"Predictive Biomarkers of Acute and Chronic Cardiovascular Disease: An Update from the Atherosclerosis Risk In Communities (ARIC) Study", American Association of Clinical Chemistry 2013 Meeting, Houston, TX
Sep, 2013	"Setting up a pain management laboratory: Our experience", International Association of Therapeutic Drug Monitoring & Clinical Toxicology Congress 2013, Salt Lake City, UT
Jul, 2014	"25-Hydroxyvitamin D: Are All Assays Created Equal?", American Association of Clinical Chemistry 2014 Meeting, Chicago, IL
Jul, 2014	Novel Point-Of-Care Technologies in Drugs of Abuse Testing", American Association of Clinical Chemistry 2014 Meeting, Chicago, IL
May, 2015	"Next Generation Point-of-Care Testing: Trends, Technologies and Opportunities", World IVD Congress, Beijing, China
Jul, 2015	"Next-Generation Point-of-Care Diagnostics-Technologies, Design and Prototyping", American Association of Clinical Chemistry 2015 Meeting, Atlanta, GA
Aug, 2015	"A Comprehensive Toxicology Screening Solution Targeted to Individual Needs", Labroots Clinical Diagnostics and Research Virtual Event
Mar, 2016	"Next-Generation Point-of-Care Testing: Clinical Needs, Technologies and Opportunities", Molecular Medicine Tri-Conference, San Francisco, CA
Mar, 2016	"Real-World Chemistry Lab Cases and Operations-an Interactive Discussion", Houston Citywide Clinical Pathology Grand Rounds, Houston, TX
Mar, 2016	"Next-Generation Point-of-Care Testing: Clinical Needs, Technologies and Opportunities",Medical MEMS and Sensors 2016, Santa Clara, CA

Organizing Roles in Scientific Meetings:

Jul, 2013	Symposium Moderator, American Association of Clinical Chemistry 2013 Meeting Houston, TX
Jul, 2014	Symposium Moderator, American Association of Clinical Chemistry 2014 Meeting Chicago, IL
Jul, 2014	Workshop Moderator, American Association of Clinical Chemistry 2014 Meeting Chicago, IL
Jul, 2015	Symposium Moderator, American Association of Clinical Chemistry 2015 Meeting Atlanta, GA

Grants:

Past:

Development of Mass Spectrometry Quantitative Method for PD-L1 in FFPE NSCLC Samples, Houston Methodist Hospital, Department of Pathology and Genomic Medicine, 3/2016-9/2016 (Ping Wang, PI), $11,500/annual direct costs, 5% effort (Role in grant: Co-Investigator)

Sample Collection Cyclosporine for Performance Evaluation of the Roche Elecsys Cyclosporine Assay, Roche Diagnostics, 9/2014-8/2015 (Ping Wang, PI), $44,750/annual direct costs, 10% effort (Role in grant: PI)

Evaluation of the Utility of Serum FLC Ratio for Screening PTLD in Post Solid Organ Transplant Patients, The Binding Site, Inc, 7/2012-10/2012 (Ping Wang, PI), $6,000/annual direct costs, 10% effort (Role in grant: PI)

Microgrant MicroRNA (miRNA) profile of diabetic glomerulosclerosis in humans, Houston Methodist Hospital, Department of Pathology and Genomic Medicine, 7/2011-6/2012 (Luan Truong, PI), $10,000/annual direct costs, 10% effort (Role in grant: Co-Investigator)

Feasibility Analysis of Establishing a Toxicology Testing Program at The Methodist Hospital, Houston Methodist Hospital, Department of Pathology and Genomic Medicine, 7/2011-7/2011 (Ping Wang, PI), $7,500/annual direct costs, 5% effort (Role in grant: PI)

Predicting Nephrotoxicities in Renal Transplant Recipients Using Personalized miRNA Profile, Houston Methodist Hospital Research Institute Scholars Award, 1/2011-12/2011 (Ping Wang, PI), $28,500/annual direct costs, 10% effort (Role in grant: PI)

Pharmacogenomics/ Personalized Medicine for Drug Therapy, Department of Pathology/Houston Methodist Hospital Research Institute, 10/2007-10/2010 (Ping Wang, PI), $50,000/annual direct costs, 20% effort (Role in grant: PI)

Molecular Mechanism of Ca2+-triggered synaptotagmin-membrane interactions, American Heart Association, 10/2002-10/2004 (Ping Wang, PI), $20,500/annual direct costs, 100% effort (Role in grant: Co-PI)

Current:

Real-time Continuous Intravenous Drug Monitor for Closed-Loop Anesthesia Delivery (R43GM112356), National Institute of General Medical Sciences, R43GM112356, 8/2015-2/2017 (Ping Wang, PI: Scott Ferguson, Co-Investigator), $32,179/annual direct costs, 8% effort (Role in grant: PI)

Aptamer-enabled high-sensitivity troponin assay for rapid POC diagnosis of myocardial infarction, NATIONAL HEART, LUNG, AND BLOOD INSTITUTE , 1R44HL126479-01A1, 7/2015-12/2017 (Brian Scott Ferguson, PI: Ping Wang, Co-Investigator), $29,990/annual direct costs, 8% effort (Role in grant: Principle Investigator)

Develop Point-of-Care Volumetric-Bar-Chart-Chip for Drug Quantitation (R01DA035868), National Institute on Drug Abuse, R01DA035868, 7/2013-5/2017 (Ping Wang, PI: Lidong Qin, Co-Investigator), $180,000/annual direct costs, 25% effort (Role in grant: PI, US Patents Pending)

Bibliography:

Research Publications, peer reviewed (print or other media):

1. Earles CA*, Bai J*, Wang P and Chapman ER: The tandem C2 domains of synaptotagmin contain redundant Ca2+ binding sites that cooperate to engage t-SNAREs and trigger exocytosis. J Cell Biol 154(6): 1117-23, Sep 2001 Notes: *Indicates Equal Author Contributions. Epub 2001 Sep 10.

2. Bai J*, Wang P* and Chapman ER: C2A activates a cryptic Ca2+-triggered membrane penetration activity within the C2B domain of synaptotagmin I. Proc Natl Acad Sci USA 99(3): 1665-70, Feb 2002 Notes: *Indicates Equal Author contributions. doi: 10.1073/pnas.032541099.

3. Wang P, Wang C-T, Bai J, Jackson MB, and Chapman ER: Mutations in the Effector Binding Loops in the C2A and C2B Domains of Synaptotagmin I Disrupt Exocytosis in a Nonadditive Manner. J Biol Chem 278(47): 47030-37, Nov 2003 Notes: Epub 2003 Sep 8.

4. Hui E, Bai J, Wang P, Sugimori M, Llinas R and Chapman ER: Three Distinct Kinetic Groupings of the Synaptotagmin Family -- Candidate Sensors for Rapid and Delayed Exocytosis. Proc Natl Acad Sci USA 102(14): 5210-14, Apr 2005 Notes: Epub 2005 Mar 25.

5. Wang P, Chicka MC, Bhalla A, Richards DA and Chapman ER: Synaptotagmin VII Is Targeted to Secretory Organelles in PC12 Cells, Where It Functions as a High-Affinity Calcium Sensor. Mol Cell Biol 25(19): 8693-8702, Oct 2005.

6. Wang P, Stone J, Chen K, Gross S, Haller CA, and Wu A: Incomplete Recovery of Prescription Opiates in Urine Using Enzymatic Hydrolysis of Glucuronide Metabolites. J Anal Toxicol 30(8): 570-75, Oct 2006. PMCID: 17132254

7. Wu AHB, Wang P, Smith A, Haller C, Drake K, Linder M, Valdes R Jr: A dosing algorithm for warfarin using CYP 2C9 and the vitamin K reductase complex 1 genotyping from a multi-ethnic population: comparison to other equations. Pharmacogenomics 9(2): 169-178, Feb 2008 Notes: doi: 10.2217/14622416.9.2.169.

8. Wang P, Huang L, Davis JL, Swartzman A, Roth B, Stone J, and Wu AHB: A Hydrophilic- interaction Chromatography Tandem Mass Spectrometry Method for Quantitation of Serum s-Adenosylmethionine in Patients Infected with Human Immunodeficiency Virus. Clin Chim Acta 396(1-2): 86-88, Oct 2008 Notes: doi: 10.1016/j.cca.2008.06.014. Epub 2008 Jun 19.

9. Li L, Zhou X, Ching W, Wang P: Predicting enzyme targets for cancer drugs by profiling human metabolic reactions in NCI-60 cell lines. BMC Bioinformatics 11: 501, Oct 2010 Notes: doi: 10.1186/1471-2105-11-501.

10. Wang P, Mao Y, Razo J, Zhou X, Wong STC, Patel S, Elliott E, Shea E, Wu AHB, and Gaber AO: Using Genetic and Clinical Factors to Predict Tacrolimus Dose in Renal Transplant Recipients. Pharmacogenomics 11(10): 1389-1402, Oct 2010 Notes: Comparative study. doi: 10.2217/pgs.10.105.

11. Wang P and Hudspeth E: Increased Body Mass Index but not Common Vitamin D Receptor, PPAR and Cytokine Polymorphisms Confer Predisposition to Post-transplant Diabetes. Arch Pathol Lab Med 135(12): 1581-84, Dec 2011 Notes: doi: 10.5858/arpa.2011-0160-OA. PMCID: doi: 10.5858/arpa.2011-0160-OA

12. Shu I, Devaraj S, Hanson SE, Little RR, Wang P: Comparison of Hemoglobin A1c Measurements of Samples with Elevated Fetal Hemoglobin by Three Commercial Assays. Clin Chim Acta 413(19-20): 1712-13, Oct 2012 Notes: doi: 10.1016/j.cca.2012.05.017. Epub 2012 May 26.

13. Shu I and Wang P: Simultaneous serum nicotine, cotinine, and trans-3'-hydroxycotinine quantitation with minimal sample volume for tobacco exposure status of solid organ transplant patients. J Chromatogr B Analyt Technol Biomed Life Sci 928: 139-45, Jun 2013 Notes: doi: 10.1016/j.jchromb.2013.03.032. Epub 2013 Apr 8.

14. Shu I, Pina-Oviedo S, Quiroga-Garza G, Meng QH, and Wang P: Influence of D2 Percentage on Accuracy of Four Commercial Total 25- Hydroxyvitamin D Assays. Clin Chem 59(6): 1273-75, Jun 2013 Notes: doi: 10.1373/clinchem.2013.206128.

15. Shu I, Wright AM, Chandler WL, Bernard DW and Wang P: Analytical Performance of QMS Everolimus Assay on Ortho Vitros F,S 5.1 Fusion Analyzer: Measuring Everolimus Trough Levels for Solid Organ Transplant Recipients. Ther Drug Monit 36(2): 264-8, Apr 2014 Notes: doi: 10.1097/FTD.0b013e3182a3b3f6.

16. Song Y, Xia X, Wu X, Wang P and Qin L: Integration of Platinum Nanoparticles with a Volumetric Bar Chart Chip for Biomarker Assay. Angewandte Chemie 53(46): 12451-55, Nov 2014 Notes: DOI: 10.1002/anie.201404349.

17. Li Y, Xuan J, Xia T, Han X, Song Y, Cao Z, Wang P* and Qin L* : Competitive Volumetric Bar- chart Chip with Real Time Internal Control for Point-of-care Diagnostics. Anal Chem 87(7): 3771-77, Apr 2015 Notes: *Equal corresponding authors. doi: 10.1021/ac504301y. Epub 2015 Mar 18.

18. Cao Z, Kaleta E, and Wang P: Simultaneous Quantitation of 78 Drugs and Metabolites in Urine with a Dilute-And-Shoot LC-MS/MS Assay. J Anal Toxicol 39(5): 335-46, Jun 2015 Notes: Comparative Study, Validation Study, Editor's Choice article. doi: 10.1093/jat/bkv024. Epub 2015 Apr PMCID: doi: 10.1093/jat/bkv024.

19. Li Y, Xuan J, Song Y, Li Y, Wang P*, Qin L*: A Microfluidic Platform with Digital Readout and Ultra-Low Detection Limit for Quantitative Point-of-Care Diagnostics. Lab Chip 15(16): 3300-06, Aug 2015 Notes: *Equal corresponding authors. doi: 10.1039/c5lc00529a.

20. Zhang Y, Wu M, Han X, Wang P*, and Qin L*: High Throughput, Label-free Isolation of Cancer Stem Cells on the Basis of Cell Adhesion Capacity. Angew Chem Int Ed Engl 127(37): 1-6, Sep 2015 Notes: *Equal corresponding authors. doi: 10.1002/anie.201505294. Epub 2015 Jul 15

21. Rhim J, Luo X, Xu X, Gao D, Zhou T, Li F, Qin L, Wang P, Xia X, and Wong S: A High-content screen identifies compounds promoting the neuronal differentiation and the midbrain dopamine neuron specification of human neural progenitor cells. Sci Rep 5: 16237, Nov 2015 Notes: doi: 10.1038/srep16237.

22. Li Y, Xuan J, Song Y, Qi W, Wang P*, Qin L*: Nanoporous Glass Integrated in Volumetric Bar-chart Chip for Point-of-care Diagnostics of Non-small Cell Lung Cancer. ACS Nano 10(1): 1640-47, Jan 2016 Notes: *Equal corresponding authors. doi: 10.1021/acsnano.5b07357. Epub 2015 Dec 28. PMCID: doi: 10.1021/acsnano.5b07357.

23. Seger C, Shipkova M, Christians U, Billaud E, Wang P, Holt D, Brunet M, Kunicki P, Langman L, Marquet P, Oellerich M, Wieland E, Wallemacq P: Assuring the proper analytical performance of measurement procedures for immunosuppressive drug concentrations in clinical practice: Recommendations of the IATDMCT Immunosuppressive Drugs Scientific Committee. Ther Drug Monit 38(2): 170-89, Apr 2016 Notes: doi: 10.1097/FTD.0000000000000269.

24. Cao Z. and Wang P: Have You Stress Tested Your Assay? Practical Laboratory Medicine 5: 21-23, Aug 2016 Notes: doi: 10.1016/j.plabm.2016.03.001.

25. Song Y., Wang Y., Qi W., Li Y., Xuan J., Wang P*., Qin L**Equal corresponding authors: Integrative volumetric bar-chart chip for rapid and quantitative point-of-care detection of myocardial infarction biomarker. Lab on a Chip 16(15): 2955-62, August 2016.

26. Rhim J., Luo X., Gao D., Xu X., Zhou T., Li F., Wang P., Wong S., and Xia X: Cell type-dependent Erk-Akt pathway crosstalk regulates the proliferation of fetal neural progenitor cells. Sci Rep In press 2016.

27. Wilburn C.R., Bernard D.W., Zieske A.W, Andrieni J., Miller T. and Wang P. : The Prevalence and Role of Hemoglobin Variants in Biometric Screening of a Multiethnic Population: One Large Health System's experience. American Journal of Clinical Pathology In Press.

Research Publications, peer-reviewed reviews:

1. Wang P: Statin Dose in Asians -Is Pharmacogenetics Relevant? Pharmacogenomics 12(11): 1605-15, Nov 2011 Notes: doi: 10.2217/pgs.11.98.

Abstracts:

1. Wang P, Wang C-T, Bai J. Jackson MB and Chapman ER.: Mutations in the Effector Binding Loops in the C2A and C2B Domains of Synaptotagmin I Disrupt Exocytosis in a Nonadditive Manner. The 3rd Annual Signal Transduction Symposium. 2003.

2. Wang P, Chicka MC, Richards DA, Chapman ER and Ziskind-Conhaim L. : The relative levels of synaptotagmin isoforms determine the divalent cation sensitivity of exocytosis. 502.1. Annual Meeting of the Society of Neuroscience. 2004

3. Haller CA, Wang P, Smith A, and Wu A.: Correlation of Ethnicity and VKORC1 and CYP2C9 genotypes in predicting warfarin maintenance dose. The Annual Meeting of American Society of Clinical Pharmacology and Therapeutics. 2006

4. Wang P, Smith A and Wu AHB. : The Emerging Role of Pharmacogenomics in Clinical Research and Practice. The 11th Society of Chinese Bioscientists in America International Symposium. 2006.

5. Wang P, Stone J, Chen KH, and Wu AHB.: Hydrolysis Methods Impacts Recovery and Detection of Urine Opiates. The Annual Meeting of American Association of Clinical Chemistry. 2006.

6. Wang P, Stone J, Haller CA, and Wu AHB.: Investigation of Simultaneous Identifications of Morphine and Hydromorphone in Urine of Patients on Morphine Alone. The Annual Meeting of Academy of Clinical Laboratory Physicians and Scientists. 2006

7. Wang P, Huang L, Davis JL, Swartzman A, and Wu AHB. : A hydrophilic-interaction liquid chromatography tandem mass spectrometry assay for s-adenosylmethionine, a potential marker for pneumocystis jirovecii infection in patients with AIDS. The Annual Meeting of American Association of Clinical Chemistry. 2007.

8. Wang P, Lorizio W, Ziv E, and Wu AHB. : An Analysis of the Association between Cytochrome P450 2D6 Polymorphism and Incidence of Adverse Effects Caused by Tamoxifen in Women with Breast Cancer. The Annual Meeting of Academy of Clinical Laboratory Physicians and Scientists. 2007

9. Wu AHB, Wang P, Smith A, Haller CA.: Validation of pharmacogenomic algorithms for optimizing initial warfarin dosing. The Annual Meeting of American Association of Clinical Chemistry. 2007.

10. Hujsak PG, Wang P, Smith A, and Wu AHB. : Addition of CYP450 2C9*8 and CYP450 4F2 to a dosing algorithm for Warfarin dosing. The Annual Meeting of The American Society of Human Genetics. 2008.

11. Tchu SM, Wang P, Stone J, Ziv E, Lorizio W, Wu A. : Correlation of Endoxifen Pharmacokinetics and CYP2D6 Genotypes. The Annual Meeting of American Association of Clinical Chemistry. 2008.

12. Wang P, Mao Y, Moses S, Patel S, Elliott E, Razo J, Zhou X, Wong STC, and Gaber AO.: Using Genetic and Clinical Factors to Predict Tacrolimus Dose in Renal Transplant Recipients. The Annual Meeting of American Association of Clinical Chemistry. 2009.

13. Nadipalli S, DeLaO T, Guthikonda S, Wang P, Hudspeth E, Marian AJ, Monzon FA, Kleiman NS: Does A Loss of Function Polymorphism of CYP2C19 Modulate The Interaction Between Clopidogrel and Proton Pump Inhibitors? Results of a Randomized Crossover Trial. American College of Cardiology Meeting, Atlanta, GA Mar 2010 Notes: Poster presentation. doi: 10.1016/s0735-1097(11)61201-1.

14. Nadipalli S, Guthikonda S, DeLaO T, Alvarez K, Hudspeth E, Marian AJ, Monzon FA, Wang P, Kleiman NS: Does A Loss of Function Polymorphism of CYP2C19 Modulate The Interaction Between Clopidogrel and Proton Pump Inhibitors? Results of a Randomized Crossover Trial. American College of Cardiology Meeting, New Orleans, LA Page: E1201, Apr 2011 Notes: Poster presentation. doi:10.1016/s0735-1097(11)61201-1.

15. Wang P, Hudspeth E, Nadipalli S, Delao T, Kleiman NS: Clopidogrel Metabolite Back-Conversion and the Effect of CYP2C19 Genotype and Inhibitor. American Association of Pharmaceutical Scientists Meeting, Washington, DC Oct 2011.

16. Shu I, Devaraj S, Hanson SE, Little RR, Wang P: Comparison of Hemoglobin A1c Measurements of Samples with Elevated Fetal Hemoglobin by Three Commercial Assays The Annual Meeting of Academy of Clinical Laboratory Physicians and Scientists, Milwaukee, WI Jun 2012 Notes: Poster presentation.

17. Shu I, Pina-Oviedo S, Quiroga-Garza G, Emmott T, Hilson B, Bernard DW, Chandler WL, Wang P: Vitamin D2 Concentration Impacts on Total Vitamin D Measurement: Comparison of Three Commercial Total 25-OH-vitamin D Chemiluminescent Immunoassays (CIAs) to LC-MS/MS. The Annual Meeting of American Association of Clinical Chemistry, Los Angeles, CA Jul 2012 Notes: Poster presentation.

18. Wang P, Truong L, and Hudspeth E: MiRNA Profile Associated with Chronic Calcineurin Inhibitor Nephrotoxicity in Renal Transplant Biopsies. The Annual Meeting of American Association of Clinical Chemistry, Los Angeles, CA Jul 2012 Notes: Poster presentation.

19. Wang P, Truong L, and Hudspeth E: MiRNA Profile Associated with Kidney Graft Reperfusion Injury. The Annual Meeting of American Association of Clinical Chemistry, Los Angeles, CA Jul 2012 Notes: Poster presentation.

20. Wang P: Pearls of Laboratory Medicine: Introduction to Pharmacogenetics. AACC Clinical Chemistry Trainee Council May 2013 Notes: Peer-reviewed presentation.

21. Wang P: Pearls of Laboratory Medicine: Hereditary Colorectal Cancers. AACC Clinical Chemistry Trainee Council May 2013 Notes: Peer-reviewed presentation.

22. Shu I, Wright AM, Wimmer DB, Noffsinger J , Guevara E, Chandler WL, Bernard DB, Wang P: Analytical Performance of QMS Everolimus Assay on Ortho Vitros 5,1 FS Chemistry Analyzer: Measuring Everolimus Trough Levels for Liver Transplant Recipients. The Annual Meeting of Academy of Clinical Laboratory Physicians and Scientists, Atlanta, GA Jun 2013 Notes: Poster presentation.

23. Shu I and Wang P: Development of A High Performance Liquid Chromatography-Tandem Mass Spectrometry Method (HPLC-MS/MS) for Pain Management Testing in Urine. The Annual Meeting of American Association of Clinical Chemistry, Houston, TX Jul/Aug 2013 Notes: Poster presentation.

24. Wang P, Shu I, Kuhn D, and Kuus K: Evaluation of the Utility of Serum FLC Ratio for Screening and Monitoring PTLD in Post Solid Organ Transplant Patients. The Annual Meeting of American Association of Clinical Chemistry, Houston, TX Jul/Aug 2013 Notes: Poster presentation.

25. Shu I and Wang P: Development and Validation of a Rapid LC-MS/MS Assay for Simultaneous Quantitation of Nicotine and its Metabolites for Heart-Lung Transplant Evaluation. Mass Spectrometry Applications to the Clinical Lab Conference, St. Louis, MO Sep 2013 Notes: Poster presentation: https://www.msacl.org/2013_posters/201302080601_36701_poster_Shu.pdf.

26. Cao Z, Kaleta E, Wang P: Simultaneous Detection of 60 Pain Management Drugs and Metabolites in Urine with A High Performance Liquid Chromatography - Tandem Mass Spectrometry (HPLC-MS/MS) Method. The Annual Meeting of American Association of Clinical Chemistry, Chicago, IL Jul 2014 Notes: Poster presentation.

27. Wang P, Shu I, Xuan J, Cao Z, Kuhn DJ and Savoldo B: Comparison of Free Light Chain Assay with Protein Electrophoresis for Screening and Monitoring PTLD. The Annual Meeting of American Society for Histocompatibility and Immunogenetics, Denver, CO Oct 2014 Notes: Poster presentation.

28. Wang P: Experience and Lessons Learned Developing a Comprehensive Toxicology Panel for Pain Management and Beyond. Mass Spectrometry Application in Clinical Laboratory Conference, San Diego, CA Mar 2015 Notes: Poster presentation abstract: https://www.msacl.org/2015_US_Long_Abstracts/201502110948_17107.pdf.

29. Wilburn C and Wang P: A Retrospective Review of Paraneoplastic Panel Utilization at a Tertiary Care Academic Hospital to Determine Predictors of Diagnostic Yield. The Annual Meeting of American Association of Clinical Chemistry, Philadelphia, PA Jul/Aug 2016 Notes: Accepted abstract.

30. Wilburn C, Yi X, and Wang P: Development of a Simplified Extraction and High Performance Liquid Chromatography-Tandem Mass Spectrometry (HPLC-MS/MS) Method for Plasma Propofol Quantitation. The Annual Meeting of American Association of Clinical Chemistry, Philadelphia, PA Jul/Aug 2016 Notes: Accepted abstract.

Editorials, Reviews, Chapters, including participation in committee reports (print or other media):

1. Wang P: Methods for Ethylene Glycol. Clinical Chemistry: Theory, Analysis, Correlation. 5th Ed. Kaplan L & Pesce A (eds.). Mosby Inc. Jun 2009 Notes: Chapter, Electronic CD.

2. Wang P: Methods for Alcohol. Clinical Chemistry: Theory, Analysis, Correlation. 5th Ed. Kaplan L & Pesce A (eds.). Mosby Inc. Jun 2009 Notes: Chapter, Electronic CD.

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