

CURRICULUM VITAE

CONTACT INFORMATION

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 University of Florida College of Pharmacy
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EDUCATION

- 2010-2011 Postdoctoral Fellowship - University of Florida College of Pharmacy
Faculty Advisor: Julie A. Johnson, Pharm.D
Fellowship Project: Association of chromosome 12 locus with antihypertensive response to hydrochlorothiazide may involve differential YEATS4 expression
- 2006-2010 Ph.D., Clinical Pharmaceutical Sciences – University of Florida College of Pharmacy
Faculty Advisor: Julie A. Johnson, Pharm.D
Dissertation Title: Genetic variation of a histone H3K79 methylating pathway and variability of blood pressure and metabolic responses to hydrochlorothiazide
- 2002-2006 Pharm.D. – University of Florida College of Pharmacy
Dean's List: 2004-2005
- 1999-2002 A.A. – University of Florida College of Liberal Arts and Sciences
Obtained while pursuing B.S. (major: Microbiology and Cell Science, minor: Chemistry)

PROFESSIONAL EXPERIENCE

- 2015-present **Assistant Professor** – University of Florida College of Pharmacy, Gainesville, FL
- 2017-2019 Clinical Staff Pharmacist – North Florida/South Georgia Veterans Health System, Gainesville, FL
- 2014-2015 Director, Pharmacogenomics Laboratory, University of Illinois College of Pharmacy, Chicago, IL
- 2013-2015 Co-Director, Personalized Medicine Program, University of Illinois Hospital, Chicago, IL
- 2013-2015 Assistant Professor – University of Illinois College of Pharmacy, Chicago, IL
- 2011-2015 Clinical Pharmacist – University of Illinois Hospital and Health Science System, Chicago, IL
- 2011-2013 Clinical Assistant Professor – University of Illinois College of Pharmacy, Chicago, IL
- 2010-2011 Postdoctoral Associate – University of Florida College of Pharmacy, Gainesville, FL
- 2007-2011 Internal Medicine Clinical Pharmacist – North Florida/South Georgia Veterans Health System, Gainesville, FL
- 2006-2007 Staff Pharmacist – CVS/pharmacy, Gainesville, FL
- 2003-2004 Pharmacy Technician - Shands Teaching Hospital, Gainesville, FL

LICENCES/CERTIFICATIONS

- 2016-present **Registered Pharmacist** – State of Florida
- 2014 Pharmacy-Based Immunization Delivery Certification – American Pharmacists Association
- 2011-2016 Registered Pharmacist – State of Illinois
- 2009 Teaching Certificate - University of Florida College of Pharmacy

2006-2011 Registered Pharmacist – State of Florida

AWARDS AND HONORS

2017 Elected Fellow of the American Heart Association
 2017 Outstanding Clinical Science Research Award, University of Florida College of Pharmacy
 2015-2017 NIH Clinical Research Loan Repayment Program Awardee (NHLBI)
 2015 Finalist, Award for Excellence in Medication Safety, American Society of Health-System Pharmacists Foundation (for the UIC Personalized Medicine Program)
 2013 University of Illinois at Chicago Hans W. Vahlteich Research Scholar
 2009-2011 NIH Clinical Research Loan Repayment Program Awardee (NHLBI)
 2004-2005 University of Florida College of Pharmacy Dean's List
 1999-2002 Florida Academic Scholars Award

TEACHING EXPERIENCE

2019-present **Lecturer**, PHA 6936: Special Topics: Grant Writing – University of Florida College of Pharmacy
Developed and presented a 1-hour lecture entitled, "Writing the Approach Section" and participated in 2-hour active learning session covering the same topic.

2018-present **Lecturer**, PHA 5081C: Patient Care 8 – University of Florida College of Pharmacy
Developed and presented a 1-hour lecture entitled, "Pulmonary Hypertension" and participated in 4-hour active learning session covering the same topic.

2017-present **Course Coordinator and Lecturer**, PHA 5012: Clinical Applications of Personalized Medicine – University of Florida College of Pharmacy
Created syllabus, course format, created and graded assignments, created and led active learning sessions, coordinated final exam. Created and presented two lectures.

2017-present **Module Coordinator and Lecturer**, PHA 5878C: Patient Care 3 – University of Florida College of Pharmacy
Developed and presented a 1-hour lecture entitled, "Management of Ischemic Heart Disease" and led a 4-hour active learning session covering the same topic.

2017-present **Lecturer**, PHA 6965: Life Cycle of a Drug – University of Florida College of Pharmacy
Created and presented a 1-hour lecture entitled, "Pharmacogenomics in Drug Discovery and Development."

2016-present **Lecturer**, PHA 6449: Pharmacogenomics – University of Florida College of Pharmacy
Created and presented two 1.5-hour lectures entitled, "Pharmacogenomic Applications of Next-Generation Sequencing" and "RNA sequencing in Pharmacogenomics."

2015 Course Coordinator and Lecturer, PMPR 355: Seminars in Pharmacy Research – University of Illinois College of Pharmacy
Created syllabus, lecturer list, and graded weekly written assignments. Additionally, created and presented lecture entitled, "Translational Pharmacogenomics: From Bench to Bedside".

2015 Lecturer, BPS 594: Special Topics in Biopharmaceutical Sciences: Drug Metabolism – University of Illinois College of Pharmacy
Created and presented 2-hour lecture entitled, "Inter-individual Variability in Drug Metabolism." Created exam questions based on lecture material

2013-2015 Lecturer, PHYB 301: Pathophysiology – University of Illinois College of Pharmacy

- Created and presented lectures entitled, "Heart Failure Pathophysiology" and "Pathophysiology of Coronary Artery Disease." Created exam questions based on lecture material*
- 2012-2015 Lecturer, PHAR 400: Pharmacokinetics – University of Illinois College of Pharmacy
Created and presented lectures entitled, "Sources of Pharmacokinetic Variability" and "Pharmacogenomics and Pharmacokinetic Variability". Created exam questions based on lecture material
- 2009 Lecturer, PHA 5782: Pharmacotherapy II - University of Florida College of Pharmacy
Created and presented 3 hour lecture entitled, "Treatment of Cardiac Arrhythmias" Created exam questions based on lecture material
- 2007-2008 Teaching Assistant, PHA 5109: Advanced Compounding Lab - University of Florida College of Pharmacy
Collaborated on curriculum and exam development, instructed students, and graded written work, pharmaceutical compounding skills, and completed drug products
- 2007-2008 Teaching Assistant, PHA 5109: Pharmacy Skills Lab II - University of Florida College of Pharmacy
Collaborated on curriculum, instructed students, graded written work, pharmaceutical compounding skills, and completed drug products
- 2007-2008 Lecturer, PHA 5113: Drug Therapy Monitoring and Pharmacogenomics - University of Florida College of Pharmacy
Lecture Title: "Pharmacogenomics in Oncology." Created and presented lecture. Created exam questions based on lecture material
- 2006-2008 Teaching Assistant, PHA 5108: Pharmacy Skills Lab I - University of Florida College of Pharmacy
Collaborated on curriculum, instructed students, and graded written work and pharmacy practice skills

PREVIOUS AND CURRENT TRAINEES

- 2019-present **Yimei Huang, PharmD** – UF College of Pharmacy graduate student
- 2019-present **Zohara Gruen, BS candidate** – UF undergraduate research volunteer
- 2019-present **Leonardo Guerra, BS candidate** – SF2UF Bridge to Baccalaureate Program
- 2018-present **Rachel Dalton, PharmD, MS** – NIH T32 Genomic Medicine Postdoctoral Fellow
- 2018-present **Christelle Lteif, PharmD** – UF College of Pharmacy graduate student
- 2017-present **Leanne Dumeny, MD/PhD candidate** – UF Genetics Institute graduate student (with LH Cavallari)
- 2017-2019 Nasim Vahabi, PhD – UF Postdoctoral Fellow, Translational Pharmacogenomics
Next Position: Postdoctoral Fellow, UF Informatics Institute
- 2017-2018 Emily Gibbons, PharmD candidate – UF Research student
Next Position: PGY-1 Pharmacy Resident, Seton Healthcare, Austin, TX
- 2017-2018 Davie Chen, BS candidate – UF University Scholars Program
Next Position: PharmD Candidate, Northeastern University
- 2016-2017 Katherine Riden, PharmD candidate – UF Research student
Next Position: Clinical Pharmacogenomics Research Fellow, University of Pittsburgh
- 2016-2017 Bankole Olowofela, BS candidate – UF University Scholars Program
Next Position: MD Candidate, UF
- 2014-2017 Meghan Arwood, PharmD – UIC/UF Postdoctoral Fellow, Translational Pharmacogenomics and MS candidate, Clinical and Translational Research
Next Position: Clinical Assistant Professor, UF College of Pharmacy

- 2016 Justin Immerman, PharmD candidate – UF research student
Next Position: Pharmacist, CVS Health, Pompano Beach, FL
- 2015 Alison Quinn, PharmD – UIC Translational Pharmacogenomics PGY-2 Resident
Next Position: Pharmacogenomics Clinical Pharmacy Specialist, Kaiser Permanente, Denver, CO
- 2014-2015 Ina Liko, PharmD candidate – Research Assistant, UIC
Next Position: PGY-1 Pharmacy Resident, Monroe Clinic, Monroe, WI
- 2014-2015 Supatat Chumnumwat, PharmD – UIC Translational Pharmacogenomics PGY-2 Resident
Next Position: Lecturer, Faculty of Pharmacy, Mahidol University, Thailand
- 2014 Tetyana Melnyk, PharmD candidate – Research Assistant, UIC
Next Position: PGY-1 Pharmacy Resident, UIC
- 2013-2014 Yee Ming Lee, PharmD – UIC Translational Pharmacogenomics PGY-2 Resident
Next Position: Postdoctoral Fellow, University of Chicago
- 2013-2014 Kristin Progar, PharmD candidate – UIC Riback Research Fellow/ Research Student
Next Position: PGY-1 Pharmacy Resident, UIC
- 2012-2013 Paulina Szczepaniak, BS candidate – UIC Undergraduate Honors Research Project
Next Position: PharmD Candidate, UIC

GRADUATE ADVISORY COMMITTEES

- 2019-present **Member, Ann Pham, BS** – UF College of Medicine
- 2018-present **Chair, Yimei Huang, PharmD** – UF College of Pharmacy
- 2018-present **Chair, Christelle Lteif, PharmD** – UF College of Pharmacy
- 2018-present **Member, Abdelrahman H. Elsayed, M.Sc** – UF College of Pharmacy
- 2017-present **Co-Chair, Leanne Dumeny MD/PhD Candidate** – UF Genetics Institute
- 2014-2017 Member, Miaoran Ning M.S., Ph.D. candidate – UIC College of Pharmacy
Next Position: Senior Scientist, AbbVie Inc., North Chicago, IL

PROFESSIONAL AFFILIATIONS AND MEMBERSHIP

- 2017-present **American Society of Human Genetics (ASHG)**
- 2016-present **Clinical Pharmacogenetics Implementation Consortium (CPIC)**
- 2015-present **NIH Implementing Genomics in Practice (IGNITE) Consortium**
- 2013-2014 American Thoracic Society (ATS)
- 2012-2020 NIH Pharmacogenomics Research Network (PGRN)
- 2007-present **American Society for Clinical Pharmacology and Therapeutics (ASCPT)**
- 2007-present **American Heart Association (AHA)**
- 2007-2017 American College of Clinical Pharmacy (ACCP)
- 2004-2006 American Pharmacists Association - Academy of Student Pharmacists

PROFESSIONAL SERVICE

- 2019-present **Member, AHA Council on Genomic and Precision Medicine Professional Education and Publication Committee**
- 2019 Scientific Reviewer (Ad-hoc), NIH Clinical and Integrative Cardiovascular Sciences (CICS) Study Section
- 2019 Session Moderator and Abstract Reviewer, ASHG Annual Meeting
- 2016-2020 Member, AHA Council on Genomic and Precision Medicine Membership and Communication Committee
- 2015-2019 Member-at-Large, AHA Council on Genomic and Precision Medicine Leadership Committee

- 2014-2018 Abstract Reviewer, ASCPT Annual Meeting
 2018 Scientific Reviewer, U.S. Department of Defense CDMRP Peer Reviewed Medical Research Program
 2016 Reviewer, PCORI-AHA Precision Medicine Advances using Nationally Crowdsourced Comparative Effectiveness Research Initiative
 2015 Scientific Reviewer, U.S. Department of Defense CDMRP Peer Reviewed Medical Research Program
 2015-2016 Member, ASCPT Award Nomination Task Force

UNIVERSITY SERVICE

- 2017-present **Member**, UF College of Pharmacy Faculty Governance Council
 2017-present **Member**, UF College of Pharmacy Academic and Professional Standards Committee
 2016-present **Admissions Interviewer**, UF College of Pharmacy
 2017 Chair, UF Department of Pharmacotherapy and Translational Research tenure-track faculty search committee
 2017 Member, UF College of Pharmacy Exemplary Clinician Award Selection Committee
 2016 Member, UF Department of Pharmacotherapy and Translational Research clinical-track faculty search committee
 2015 Member, UIC Hans W. Vahlteich Research Award Selection Committee
 2014-2015 Poster Judge, UIC College of Pharmacy Research Day
 2014-2015 Member, UIC College of Pharmacy Student Disciplinary Committee
 2014-2015 Admissions Interviewer, UIC College of Pharmacy
 2013-2015 Member, UIC College of Pharmacy Residents Research Committee
 2012 Member, UIC College of Pharmacy Curricular Prerequisite Subcommittee

REVIEWER AND EDITORIAL SERVICE

- 2020-present Reviewer, *British Journal of Pharmacology***
2018-present Reviewer, *Journal of Cardiovascular Pharmacology*
2019-present Reviewer, *Respiratory Research*
2019-present Reviewer, *The Pharmacogenomics Journal*
2018-present Reviewer, *Clinical and Translational Science*
2012-present Reviewer, *Pharmacotherapy*
 2018 Reviewer, *Nitric Oxide*
 2018 Reviewer, *Molecular Biology Reports*
 2016-2017 Reviewer, *Pharmaceutical Research*
 2012-2016 Reviewer, *PLoS One*
 2014-2015 Reviewer, *Pharmacogenomics*
 2013 Reviewer, *American Journal of Hypertension*
 2012 Reviewer, *American Journal of Respiratory and Critical Care Medicine*
 2009 Reviewer, *Nutrition and Metabolism*
 2008 Reviewer, *The Annals of Pharmacotherapy*

CURRENT RESEARCH FUNDING

- 2019-2021 University of Florida Pharmacy Recurring Opportunity Seed Program for Education and Research (PROSPER)
 “Genomic predictors of disease development and treatment response in heart failure with preserved ejection fraction”
 Total Funding: \$36,000

2018-2023 Role: Principal Investigator
 NIH/NHGRI U01 HG007269 (PI: Julie A. Johnson)
 “Sparkling Advancements in Genomic Medicine”
 Total Base Funding: \$1,825,333
 Role: Co-Investigator

PAST RESEARCH FUNDING

2015-2020 NIH/NIGMS K23 GM112014 (PI: Julio D. Duarte)
 “Improving treatment personalization for pulmonary hypertension associated with diastolic heart failure”
 Total Funding: \$711,060
 Role: Principal Investigator

2015-2019 NIH/NIGMS R01 GM112746 (PI: Hyunyoung Jeong)
 “Molecular Basis of Interindividual Variability in CYP2D6-Mediated Drug Metabolism”
 Total Funding: \$1,199,968
 Role: Co-Investigator

2013-2015 University of Illinois at Chicago Office of the Vice Chancellor of Research Areas of Excellence Award
 “Expansion of pharmacogenomics research and implementation at UIC”
 Total Funding: \$200,000
 Role: Principal Investigator

2013-2014 University of Illinois College of Pharmacy Hans W. Vahlteich Research Scholar Grant
 “Nebivolol for pulmonary hypertension associated with diastolic heart failure.”
 Total Funding: \$25,000
 Role: Principal Investigator

2012 University of Illinois at Chicago Office of the Vice Chancellor of Research Areas of Excellence Award
 “Feasibility of an NIH Pharmacogenomics Research Network grant application”
 Total Funding: \$19,183
 Role: Principal Investigator

2008-2010 NIH/NIDDK T32 DK007518 (PI: Mark Segal)
 “Pre and Postdoctoral Training in Nephrology and Hypertension”
 Role: Predoctoral Fellow

2004 NIH/NHLBI T35 HL07489 (PI: Colin Summers)
 Faculty Sponsor: Reginald Frye
 Role: Summer Research Fellow

PEER-REVIEWED PUBLICATIONS

(* indicates corresponding author)

- Limdi NA*, Cavallari LH, Lee CR, Hillegass WB, Holmes AM, Skaar TC, Pisu M, Dillon C, Beitelshees AL, Empey PE, **Duarte JD**, Diaby V, Gong Y, Johnson JA, Graves J, Garbett S, Zhou Z, Peterson JF; Implementing GeNomics In pracTicE (IGNITE) Network Pharmacogenetic Working Group (IGNITE-PGx). *The Pharmacogenomics Journal*. 2020 Feb 11 [epub ahead of print]

- Arwood MJ, Vahabi N, Lteif C, Sharma R, Machado RF, **Duarte JD***. Transcriptome-wide analysis associates *ID2* expression with combined pre- and post-capillary pulmonary hypertension. *Scientific Reports*, 2019 Dec 20;9(1):19572.
- Lteif C, Arwood MJ, Kansal M, Cavallari LH, Desai AA, **Duarte JD***. Beta-blocker Dose Stratifies Mortality Risk in a Racially Diverse Heart Failure Population. *Journal of Cardiovascular Pharmacology*, 2019 2020 Mar;75(3):250-258.
- Ning M, **Duarte JD**, Stevison F, Isoherranen N, Rubin LH, Jeong H*. Determinants of Cytochrome P450 2D6 mRNA Levels in Healthy Human Liver Tissue. *Clinical and Translational Science*. 2019 May 16;11(5)
- De T, Alarcon C, Hernandez W, Liko I, Cavallari LH, **Duarte JD**, Perera MA*. Association of Genetic Variants with Warfarin-Associated Bleeding Among Patients of African Descent. *JAMA* 2018 Oct 23;320(16):1670-1677.
- **Duarte JD***, Kansal M, Desai AA, Riden K, Arwood MJ, Yacob AA, Stamos TD, Cavallari LH, Zamanian RT, Shah SJ, Machado RF. Endothelial nitric oxide synthase genotype is associated with pulmonary hypertension severity in left heart failure patients. *Pulmonary Circulation*. 2018 Apr-Jun;8(2):2045894018773049
Selected to Editors' Choice Collection
- Ning M, **Duarte JD**, Rubin LH, Jeong H*. CYP2D6 Protein Level Is the Major Contributor to Interindividual Variability in CYP2D6-Mediated Drug Metabolism in Healthy Human Liver Tissue. *Clinical Pharmacology and Therapeutics* 2018 Nov;104(5):974-982.
- Cavallari LH*, Lee CR, Beitelshes AL, Cooper-DeHoff RM, **Duarte JD**, Voora D, Kimmel SE, McDonough CW, Gong Y, Dave CV, Pratt VM, Alestock TD, Anderson RD, Alsip J, Ardati AK, Brott BC, Brown L, Chumnumwat S, Clare-Salzler MJ, Coons JC, Denny JD, Dillon C, Elsey AR, Hamadeh IS, Harada S, Hillegass WB, Hines L, Horenstein RB, Howell LA, Jeng LJB, Kelemen MD, Lee YM, Magvanjav O, Montasser M, Nelson DR, Nutescu EA, Nwaba DC, Pakyz RE, Palmer K, Peterson JF, Pollin TI, Quinn AH, Robinson SW, Schub J, Skaar TC, Smith DM, Sriramoju VB, Starostik P, Stys TP, Stevenson JM, Varunok N, Vesely MR, Wake DT, Weck KE, Weitzel KW, Wilke RA, Willig J, Zhao RY, Kreutz RP, Stouffer GA, Empey PE, Limdi NA, Shuldiner AR, Winterstein AG, Johnson JA, on behalf of the IGNITE Network. Multisite Investigation of Outcomes with Implementation of *CYP2C19* Genotype-Guided Antiplatelet Therapy after Percutaneous Coronary Intervention. *JACC: Cardiovascular Interventions*, Jan 22;11(2):181-191.
- Empey PE*, Stevenson JM, Tuteja S, Weitzel KW, Angiolillo DJ, Beitelshes AL, Coons JC, **Duarte JD**, Franchi F, Jeng LJB, Johnson JA, Kreutz RP, Limdi NA, Maloney KA, Owusu Obeng A, Peterson JF, Petry N, Pratt VM, Rollini F, Scott SA, Skaar TC, Vesely MR, Stouffer GA, Wilke RA, Cavallari LH, Lee CR; IGNITE Network. Multisite Investigation of Strategies for the Implementation of *CYP2C19* Genotype-Guided Antiplatelet Therapy. *Clinical Pharmacology and Therapeutics*, 2017 Oct;104(4):664-674.
- Cavallari LH*, Beitelshes A, Blake K, Dressler L, **Duarte JD**, Elsey A, Eichmeyer J, Empey P, Franciosi J, Hicks J, Holmes A, Jeng L, Lee C, Lima J, Limdi N, Modlin J, Obeng A, Petry N, Pratt V, Skaar T, Tuteja S, Voora D, Wagner M, Weitzel K, Wilke R, Peterson J, Johnson J. The IGNITE Pharmacogenetics Working Group: An Opportunity for Building Evidence with Pharmacogenetic Implementation in a Real-World Setting. *Clinical and Translational Science*, 2017 May;10(3):143-146.
Top 10 most cited articles of 2017-2018

- Arwood MJ, Deng J, Drozda K, Pugach O, Nutescu EA, Schmidt S, **Duarte JD***, Cavallari LH*. Anticoagulation Endpoints with Clinical Implementation of Warfarin Pharmacogenetic Dosing in a Real-World Setting: A Proposal for a New Pharmacogenetic Dosing Approach. *Clinical Pharmacology and Therapeutics*, 2016 101(5): 675-683.
- **Duarte JD***, Desai AA, Sysol JR, Abbasi T, Patel AR, Lang RM, Gupta A, Garcia JG, Gordeuk VR, Machado RF*. Genome-Wide Analysis Identifies *IL-18* and *FUCA2* as Novel Genes Associated with Diastolic Function in African Americans with Sickle Cell Disease. *PLoS One*, 2016 Sep 16;11(9):e0163013.
- Cavallari LH*, Lee CR, **Duarte JD**, Nutescu EA, Weitzel KW, Stouffer GA, and Johnson JA. Inpatient Models of Pharmacogenetic Implementation. *American Journal of Health-System Pharmacy*, 2016 Dec 1;73(23):1944-1954.
- Arwood MJ, Chumnumwat S, Cavallari LH, Nutescu EA, **Duarte JD***. Implementing Pharmacogenomics at Your Institution: Establishment and Overcoming Implementation Challenges. *Clinical and Translational Science*, 2016 May 9(5):233-245.
Top 10 most downloaded articles of 2017
- Mansour IN, Bress AP, Groo V, Ismail S, Wu G, Patel SR, **Duarte JD**, Kittles RA, Stamos TD, and Cavallari LH*. Circulating Procollagen Type III N-Terminal Peptide and Mortality Risk in African Americans with Heart Failure. *Journal of Cardiac Failure*, 2015; S1071-9164(15)01247-6.
- Arwood MJ, Cavallari LH, **Duarte JD***. Pharmacogenomics of hypertension and heart disease. *Current Hypertension Reports*, 2015; Sep;17(9):586.
- Ismail S, Lee YM, Patel M, **Duarte JD**, Ardadi AK. Genotype- and phenotype-directed antiplatelet therapy selection in patients with acute coronary syndromes. *Expert Reviews of Cardiovascular Therapy*, 2014; 12(11):1289-1303.
- **Duarte JD***. Epigenetics primer: why the clinician should care about epigenetics. *Pharmacotherapy*, 2013; 33(12): 1362–1368.
- **Duarte JD***, Hanson R, Machado, RF. Current and future pharmacologic treatments of pulmonary hypertension: focus on pharmacogenomics. *Future Cardiology*, 2013; 9(3):335-349.
- Nutescu EA, Drozda K, Bress AP, Galanter WL, Stevenson J, Stamos TD, Desai AA, **Duarte JD**, Gordeuk V, Peace D, Kadkol SS, Dodge C, Saraf S, Garofalo J, Krishnan JA, Garcia JGN, Cavallari LH*. Feasibility of implementing a comprehensive warfarin pharmacogenetics service. *Pharmacotherapy*, 2013;33(11): 1156–1164.
- **Duarte JD**, Turner ST, Tran B, Chapman AB, Bailey KR, Gong Y, Gums JG, Langae TY, Beitelshees AL, Cooper-Dehoff RM, Boerwinkle E, Johnson JA*. “Association of chromosome 12 locus with antihypertensive response to hydrochlorothiazide may involve differential *YEATS4* expression.” *The Pharmacogenomics Journal*, 2013; 13:257-263.
- McDonough CW, Burbage SE, **Duarte JD**, Gong Y, Langae TY, Turner ST, Gums JG, Chapman AB, Bailey KR, Beitelshees AL, Boerwinkle E, Pepine CJ, Cooper-DeHoff RM, Johnson JA*. “Association of variants in *NEDD4L* with blood pressure response and adverse cardiovascular outcomes in hypertensive patients treated with thiazide diuretics.” *The Journal of Hypertension*, 2013 Apr;31(4):698-704.
- **Duarte JD***, Zineh I, Burkley B, Gong Y, Langae TY, Turner ST, Chapman AB, Boerwinkle E, Gums JG, Cooper-DeHoff RM, Beitelshees AL, Bailey KR, Fillingim RB, Kone BC, Johnson JA. “Effects of Genetic Variation in H3K79 Methylation Regulatory Genes on Clinical Blood Pressure and Blood Pressure Response to Hydrochlorothiazide.” *Journal of Translational Medicine*, 2012 Mar 22;10:56.

- **Duarte JD** and Cooper-DeHoff RM*. “A Review of Mechanisms for Blood Pressure-Lowering and Metabolic Effects of Thiazide and Thiazide-Like Diuretics.” *Expert Reviews of Cardiovascular Therapy*, 2010; 8(6):793–802.
- **Duarte JD**, Lobmeyer MT, Wang Z, Chapman AB, Gums JG, Langae TY, Boerwinkle E, Turner ST, Johnson JA*. “Lack of association between polymorphisms in *STK39*, a putative thiazide response gene, and blood pressure response to hydrochlorothiazide.” *Pharmacogenetics and Genomics*, 2010 Aug;20(8):516-9.

EDITORIALS

- Cavallari LH and **Duarte JD** . “Clopidogrel Pharmacogenetics - From Evidence to Implementation.” *Future Cardiology*, 2016 Sep;12(5):511-4.
- Cavallari LH and **Duarte JD**. “Genes affecting warfarin response-interactive or additive?” *The Journal of Clinical Pharmacology*, 2015; 17(9):586.
- Cavallari LH, Nutescu EA, and **Duarte JD**. Personalized medicine in cardiology: the time for genotype-guided therapy is now. *Future Cardiology*, 2013; 9(4):459-64.

BOOK CHAPTERS

- Desai AA, **Duarte JD**, Singla S, Machado RF. Genetics of Pulmonary Hypertension. Arnett DK and Shah SJ (eds.): *Cardiovascular Genetics and Genomics in Clinical Practice*, Demos Medical, New York, 2015, pp 219-228.
- **Duarte JD**. A Look to the Future: Cardiovascular Pharmacogenetics. Lam F and Cavallari LH (eds.): *Pharmacogenomics: Challenges and Opportunities*, Academic Press, Oxford, 2013, pp 183-187.

INVITED PRESENTATIONS

- “Treatment Targets for Pulmonary Hypertension Associated with Left Heart Failure.” (Presentation) Center for Drug Evaluation and Research, U.S. Food and Drug Administration. Silver Spring, MD. September 6, 2019.
- “Ambulatory Blood Pressure Monitoring in Hypertension and Drug Response.” (Presentation) Center for Drug Evaluation and Research, U.S. Food and Drug Administration. Silver Spring, MD. September 6, 2019.
- “Genomic and Transcriptomic Predictors of Pulmonary Hypertension Development in HFpEF.” (Presentation) UF Division of Cardiology Research Seminar Series. Gainesville, FL. May 6, 2019.
- “Innovative Curriculum: Clinical Applications of Personalized Medicine.” (Presentation) UF College of Pharmacy Dean's Leadership Conference. Gainesville, FL. Apr 6, 2018.
- “Cardiology Patient Cases, Clinician Perspectives, and Discussion.” (Presentation) University of Florida 2017 Personalized Medicine Conference. Orlando, FL. Mar 8, 2017.
- “Hypersensitivity/Adverse Drug Reactions Patient Cases and Perspectives.” (Presentation) University of Florida 2017 Personalized Medicine Conference. Orlando, FL. Mar 9, 2017.
- “Improving Precision of Drug Therapy: The University of Illinois Personalized Medicine Program.” (Presentation) Association for Molecular Pathology 2015 Annual Meeting, November 5, 2015, Austin, TX.
- “Implementing Pharmacogenomics in Urban Underserved Patients.” (Presentation) NIH/NHGRI Implementing Genomics in Practice (IGNITE) Consortium Meeting. January 27, 2015, Gainesville, FL.
- “Translational Pharmacogenomics: From Bench to Bedside.” (Presentation) Advocate Illinois Masonic Medical Center Grand Rounds. September 17, 2014, Chicago, IL.

- “Improving Personalized Medicine by Implementation of a Hospital Pharmacogenetics Service.” (Presentation) University of Michigan College of Pharmacy, March 27, 2014, Ann Arbor, MI.
- “Pulmonary Arterial Hypertension: Empowering pharmacists in treating decisions towards improved patient care.” (Presentation) California Society of Health-System Pharmacists Annual Meeting, November 2, 2013, Anaheim, CA.
- “Improving personalized medicine by implementation of a hospital pharmacogenetics service.” (Presentation) Chinese Pharmaceutical Association Hospital Pharmacy Committee Annual Meeting, October 8, 2013, Suzhou, China.
- “Involvement of a Locus at Chromosome 12q15 in Antihypertensive Response to Hydrochlorothiazide.” (Presentation) NIH/NIGMS Pharmacogenomics Research Network – Research in Progress Seminar Series, March 11, 2011.
- “The role of histone H3K79 methylation on patient variability in blood pressure and metabolic responses to hydrochlorothiazide.” (Presentation) University of Florida College of Medicine Nephrology and Hypertension Noon Conference, April 8, 2010.
- “The Role of the AF9/DOT1A/SIRT1/SGK1 Candidate Pathway on Patient Variability in Blood Pressure and Metabolic Responses to HCTZ” (Presentation) University of Florida College of Pharmacy Department of Pharmacotherapy and Translational Research Seminar Series, December 4, 2009.
- “The role of the AF9/DOT1A/SIRT1 pathway on patient variability in blood pressure and cardiometabolic responses to hydrochlorothiazide.” (Presentation) University of Florida College of Medicine Nephrology and Hypertension Noon Conference, February 12, 2009.
- “Hydrochlorothiazide: Variable Blood Pressure Response and Cardiometabolic Adverse Effects.” (Presentation) University of Florida College of Pharmacy Department of Pharmacy Practice Seminar Series, November 7, 2008.

SELECTED ABSTRACT/POSTER PRESENTATIONS

- Dalton R, Brown JD, **Duarte JD**. (2020) “Geographically and socioeconomically disadvantaged patients use a higher proportion of medications with potentially actionable pharmacogenetic interactions.” (Abstract) American Society for Clinical Pharmacology and Therapeutics Annual Meeting [Meeting Canceled].
Won Presidential Trainee Award
- Vahabi N, Arwood MJ, Cavallari LH, Machado RF, and **Duarte JD**. (2018) “Transcriptome-wide analysis of pulmonary hypertension in heart failure with preserved ejection fraction patients implicates mitochondrial and proliferative pathways.” (Poster) American Heart Association Scientific Sessions, November 10-14, Chicago, IL.
- Arwood MJ, Deng J, Drozda K, Nutescu EA, Schmidt S, **Duarte JD**, Cavallari LH. “Clinical Implementation of Warfarin Pharmacogenetics in a Real-world Setting: A Proposal for a New Pharmacogenetic Dosing Approach for Diverse Patient Populations.” (Poster) American Society for Clinical Pharmacology and Therapeutics Annual Meeting, March 15-18, Washington DC.
Won Presidential Trainee Award
- **Duarte JD**, Arwood MJ, Liko I, Mansour I, Kansal M, Stamos T, Cavallari LH, and Desai AA. (2016) “Beta-blocker Dose Stratifies Both Mortality Risk and Circulating Procollagen Levels in African-Americans with Heart Failure.” (Poster) American Heart Association Scientific Sessions, November 12-16, New Orleans, LA.
- Nutescu E, **Duarte J**, Cheng W, Sarangpur S, Gor D, Drozda K, Galanter W, Stamos T, Peace D, Garofalo J, Krishnan J, and Cavallari L. (2014) “Novel Genotype Guided Personalized Warfarin Service Improves Outcomes in an Ethnically Diverse Population.” (Poster) American Heart Association Scientific Sessions, November 15-19, Chicago, IL.

- **Duarte JD**, Abbasi T, Patel S, Desai AA, Wade MS, Cavallari LH, Garcia JGN, and Machado RF. (2013) “Variation in inducible nitric oxide synthase (iNOS) is associated with increased severity of pulmonary hypertension in patients with diastolic dysfunction.” (Poster and Presentation) American Thoracic Society Annual Meeting, May 17-22, Philadelphia, PA.
Selected for oral poster presentation
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