

POST GRADUATE TRAINING

- 2005-2007 University of Florida College of Medicine, Gainesville, FL, Fellow in the Advanced Postgraduate Program in Clinical Investigation (APPCI), funded by the NIH Clinical Research Curriculum Award (K30)
- 2006 American Heart Association, Fellowship
32nd Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Disease
- 1986-1987 University of California, San Francisco, Residency in Clinical Pharmacy

BOARD CERTIFICATION

- Licentiate in Pharmacy, California (inactive)
Licentiate in Pharmacy, Florida (current)

PROFESSIONAL POSITIONS

- July 2012-Present Associate Professor with Tenure
University of Florida, College of Pharmacy
Department of Pharmacotherapy and Translational Research
- Mar 2009-Present Associate Professor
University of Florida, College of Pharmacy
Department of Pharmacotherapy and Translational Research
- July 2008-Feb 2009 Research Associate Professor
University of Florida, College of Medicine
Division of Cardiovascular Medicine
- Sept. 1999-Jun 2008 Research Assistant Professor
University of Florida, College of Medicine
Division of Cardiovascular Medicine
- Sept. 1999-Feb 2009 Associate Director, Clinical Trials Program
University of Florida, College of Medicine
Division of Cardiovascular Medicine
Gainesville, FL
- Activities include the management of day to day operations of the cardiovascular clinical trials program, and the supervision of the research coordinators. Other responsibilities include the organization and management of the regulatory department for the clinical trials program.
- 1997-2004 Director, INVEST Pharmacy Coordinating Center
University of Florida, College of Medicine
Division of Cardiology
Gainesville, FL
- Activities include the oversight of medication dispensing for 22,000 national and international patients enrolled in the INVEST trial.
- 1987-1999 Coordinator, Investigational Drug Service
Shands Hospital at the University of Florida

Gainesville, Florida
 Supervisor: Alan Knudsen, MS

Activities include developing and implementing an investigational drug service (IDS) in a large teaching institution. The IDS now controls medications for 390 different studies in both the inpatient and outpatient area. The IDS provides necessary drug and study information to all health care professionals and patients involved with the studies. Additionally, clinical research protocols are designed and written for the hospital by the IDS. A software program designed to control investigational drug data and inventory was developed here and is now marketed.

1994-1997 Director, Pharmacy Practice Residency
 Shands Hospital at the University of Florida
 Gainesville, Florida

Coordinate and facilitate the pharmacy practice residency at Shands Hospital, including recruiting, precepting, and overseeing the program.

1992-1998 Clinical Trials Program Liaison
 University Hospital Consortium's Clinical Practice Advancement Center (formerly Technology Advancement Center)
 Receive information about new clinical trials, and contact investigators who might be interested in conducting the trials.

1982-1987 Laboratory Assistant II
 UCSF Drug Studies Unit
 School of Pharmacy
 Director: Roger L. Williams, M.D.
 Activities include performing EKG's, blood drawing, sample processing, controlling and dispensing investigational drugs.

AWARDS AND HONORS

- 2017 University of Florida Term Professorship Awardee
- 2016 Russell R. Miller Award, for substantial contributions to the literature, from the American College of Clinical Pharmacy
- 2015-16 Faculty of the American College of Clinical Pharmacy Research Institute Mentored Research Investigator Training Program (MeRIT)
- 2015-17 NHLBI Scientific Review Panel (Loan Repayment Program)
- 2015 Distinguished Investigator Award, American College of Clinical Pharmacy, Cardiology PRN
- 2015 Designated as a Master Mentor – 2014-2015 UF Mentor Academy
- 2015 Distinguished Associate Award, American College of Cardiology
- 2014 Fellow, American College of Clinical Pharmacy
- 2013 Member, Academy of Research Excellence, University of Florida
- 2011 Drug Therapy Research Award – American Society of Health System Pharmacists
- 2011 Best Paper Award – American College of Clinical Pharmacy, Cardiology Practice and Research Network
- 2011 Top Population Science Paper
 Hypertension, Journal of the American Heart Association
- 2010 Fellow, American College of Cardiology
- 2009 Featured Poster Award

2009	American Society of Hypertension, 24th Annual Scientific Meeting and Exposition, San Francisco, California
2008	ASHP Foundation Pharmacy Resident Practice-Based Research Grant Program Peer Review
2008	Clinical Science Award
2008	The Consortium for Southeastern Hypertension Control (COSEHC), 15 th Annual National Scientific Sessions, Baltimore, Maryland
2007	Vascular Biology / Blood Pressure Regulation
2007	American Heart Association Peer Review, Committee R2
2001	Fellow, American Heart Association (FAHA.) and Council for High Blood Pressure Research.
1988	New Investigator Award
1987	American Heart Association, Council on Basic Cardiovascular Sciences, Seattle, Washington
1987	Roche Award for Outstanding Research Affecting Patient Care
1986	Outstanding Young Women of America
1986	Outstanding Student Service Award
	University of California, San Francisco
	School of Pharmacy

COMMITTEE MEMBERSHIPS

2017-Present	TL1 CTSI Advisory Committee
2016-Present	UF Health Science Center Research Information Technology Committee
2015-Present	Cardiovascular Team Section Leadership Council, American College of Cardiology
2016-2017	FCCP Credentialing Committee, ACCP
2015-2016	Best Practices and Quality Improvement Committee, American College of Cardiology
2014-2016	Faculty Development Committee, Chairperson
	College of Pharmacy, University of Florida
2013-Present	KL2 CTSI Advisory Committee
	University of Florida
2012-2014	Team Based Care Committee, American College of Cardiology
2011-2014	Mentoring Committee, American College of Clinical Pharmacy, Cardiology Practice Research Network
2009-Present	Institutional Review Board, University of Florida
2007-2012	Nurse Education Committee, American College of Cardiology
2007-2013	APPCI Advisory Committee, University of Florida
1987-2004	Institutional Review Board, University of Florida
1989-1999	General Clinical Research Center Scientific Advisory Committee , University of Florida
1991-1995	Shands Hospital Biotechnology Committee (Subcommittee of Pharmacy and Therapeutics Committee)

TEACHING EXPERIENCE

Fall 2016-Present	PHA 5783C Patient Care Course
	Introduction to Heart Disease, Dyslipidemia, Hypertension
Sum 2015-present	PHAXXXX, Clinical Applications of Personalized Medicine
	Bioethics and informed consent; Statin Pharmacogenomics
Fall 2014-2015	PHA 5782, Pharmacotherapy II
	Dyslipidemia, Hypertension
Spring 2010-present	GMS6413, Hypertension Research
	Clinical Trials in Hypertension, Diabetes and Metabolic Syndrome and Hypertension

Fall 2009 –2013	PHA 5782, Pharmacotherapy II Dyslipidemia, Stable Ischemic Heart Disease, Hypertension
Spring 2010-2014	PHA 6935, Practice and Procedures of the IRB
Fall 2008-2012	GMS 7039, Intro to Clinical Translational Research Panel participant: “How I Got Funded”
Fall 2006, 2007	GMS 6181, Intro to Clinical Translational Research “Out into the Community and Back to the Bench”
2006-Present	PHA 56**, Clinical Pharmacogenomics “Ethical Conduct of Human Subjects Research”
2000-2003	Department of Medicine Resident Rotation Preceptor Cardiovascular Research
1995-1999	Basic and Clinical Research Course for Physicians and Fellows
1987-1999	Contemporary Pharmacy Systems for Pharm.D. Students University of Florida, College of Pharmacy
1986-1987	Clinical Pharmacy Preceptor University of California School of Pharmacy San Francisco, California

Supervised Clinical Pharmacy students who were completing their clerkship rotations in the hospitals and clinics at UCSF and SFGH. Assisted with organizing the course for the Clinical Pharmacy students, completed student evaluations, and held conferences for the students.

RESEARCH SUPPORT AND PROJECTS

Extramural Funding –

U01 GM074492 (Cooper-DeHoff and Johnson) 8/1/2010 – 7/31/2017 NIH/NIGMS
Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR)

U01 HG007269 (Johnson) 5/1/2013 - 4/30/2017
NIH, National Human Genome Research Institute
Genomic Medicine Implementation: The Personalized Medicine Program

PCORNet (Shenkman, Hogan) 2015/10/01-2018/09/30
PCORI

OneFlorida Clinical Research Consortium’s Clinical Data Research Network (CDRN)

PCORNet (Cooper-DeHoff) 2016/11/01-2018/10/30
Cardiovascular Collaborative Research Group, Data Analysis Core

Intramural Funding –

UF CTSI Pilot Program 2015/11/01-2017/10/03
Optimizing Precision of HTN Care to Maximize BP Control Pilot (OPTI-BP Pilot)
Cooper-DeHoff, Rhonda M (PI)

Completed Research

South East Center for Integrative Metabolomics 6/2014-10/2016
Pilot and Feasibility Project Award: PI Cooper-DeHoff, RM, A targeted pharmacometabolomic investigation of the acylcarnitine pathway and incident impaired fasting glucose.

MMC15-01, Health Equity Research Institute (HERI) 2015/05/01-2016/04/30
Cooper-DeHoff, Rhonda M (PI)
Optimizing Rural Health Clinic Infrastructure to Maximize BP Control (OPTI-BP)
This grant will explore the causes of health disparities with regard to blood pressure control in the rural health clinic community.

UF CTSI 1/2014
Clinical Research Pilot Award: PI Cooper-DeHoff RM, The Effect of Low Furanocoumarin Grapefruit Hybrid Juice Consumption on Midazolam Pharmacokinetics

National Institutes of Health, K23 HL086558-01, January 2007-January 2012. Metabolic Effects of Antihypertensive Responses (MEAD). **Rhonda Cooper-DeHoff, Pharm D.** – Principal Investigator

ACCP Research Institute PPD bioanalytical fluid and Tissue Grant, Metabolic Effects of Antihypertensive Drugs. January 2010. **Rhonda Cooper-DeHoff, Pharm D.** – Principal Investigator.

National Institutes of Health, NHLBI Resequencing and Genotyping Service Award via the J. Craig Venter Institute. Awarded May 2008. Understanding the Relationship of Transcription Factor 7-like Gene (*TCF7L2*) Polymorphisms and Incidence of Diabetes in an Ethnically Diverse Hypertensive Heart Disease Population. **Rhonda Cooper-DeHoff, Pharm D.** – Principal Investigator

University of Florida, Clinical and Translational Science Institute. 10/2008-10/2009. PPAR γ Expression in Key Metabolic Organ Systems is Modulated by Treatment with Thiazide Diuretics and ACE Inhibition. **Rhonda Cooper-DeHoff, Pharm D.** – Principal Investigator

University of Florida, 2/2004 to 2/2007 WISE / Women Take Heart Collaboration. **Rhonda Cooper-DeHoff, Pharm.D.** – Principal Investigator

Cleveland Clinic and Pfizer, 02/06/07-12/29/07, *Prospective Randomized Evaluation of Celecoxib Integrated Safety, vs. Ibuprofen Or Naproxen-PRECISION*, Carl Pepine, M.D. and **Rhonda Cooper-DeHoff, Pharm D.** - Co-Investigator

National Institutes of Health, U01 GM074492 (PI: J.A. Johnson), August 2005 – July 2010, Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR). **Rhonda Cooper-DeHoff, Pharm D.** – Co-Investigator

National Institutes of Health. 9/2003 – 8/2007, Hypertension Pharmacogenetics. Julie Johnson, PharmD, Carl Pepine, M.D., **Rhonda Cooper-DeHoff, Pharm.D.** – Co-Investigator

Pfizer Pharmaceuticals. 8/2001–2/2008, Effect of Sildenafil on Coronary and Systemic Vascular Function in women with chest pain. Carl J. Pepine, M.D.- PI, **Rhonda Cooper-DeHoff, Pharm.D.** – Co-Investigator

Abbott Laboratories. 3/1997 to 12/2006, International Verapamil-trandolapril Study (INVEST) is a randomized, Controlled Clinical Trial Comparing a Calcium Antagonist Treatment Strategy with a Non-calcium Antagonist Treatment Strategy for the Control of Hypertension and Angina in a Primary Care Ambulatory Patient Population. Carl J. Pepine, M.D. - PI, **Rhonda Cooper-DeHoff, Pharm.D.** - Co-Investigator

University of Florida, 1/1996 to 1/2007. Evaluation of Lewis Phenotype as a Risk Factor for Coronary Artery Disease. **Rhonda Cooper-DeHoff, Pharm.D.**

Pfizer Pharmaceuticals. 4/2002 to 10/2006, A pilot study to determine the effect of Celecoxib 400mg and 800mg on markers of inflammation in patients with hypertension & coronary artery disease. **Rhonda Cooper-DeHoff, Pharm.D.** – Principal Investigator

Perry E. Foote Outcomes Research Small Grant Program, 7/2001 to 5/2004, A pilot study to determine the effect of Celecoxib 400mg and 800mg on markers of inflammation in patients with hypertension and coronary artery disease. **Rhonda Cooper-DeHoff, Pharm.D.** – Principal Investigator

Drug Use Evaluation of DNase 1994 During the First 6 Months of Use. **Rhonda Cooper, Pharm.D.**, and Sherry Ingram, Pharm.D.

Cost of Hospital Admissions as a Result of Phenytoin Adverse Drug Reactions. 1993 Lisa Daley, Pharm.D., **Rhonda Cooper, Pharm.D.**, and Randy Hatton, Pharm.D.

Prospective, Controlled, Third Party Blind, Randomized, Multi-center Comparison of the Safety and Efficacy of Ciprofloxacin plus Metronidazole (IV only and IV/PO) with that of Imipenem-Cilastatin for the Treatment of Patients with Intra-abdominal Infections. 1991 Stephen Vogel, M.D., Larry Aull, Pharm.D., and **Rhonda Cooper, Pharm.D.**

The Efficacy of Indomethacin Compared to Ibuprofen and Acetaminophen-diphenhydramine-hydrocortisone in the Treatment of Shaking Chills Associated with Amphotericin B. 1990 Stan Reents, Pharm.D., **Rhonda Cooper, Pharm.D.** and Vipul Singh, M.D.

An Assessment of the Readability and Comprehension of IRB Approved Informed Consent Forms. 1989 Rebecca Murgatroyd, Pharm.D. and **Rhonda Cooper, Pharm.D.**

A Multi-center, Open Label, Variable Dose Evaluation of Morphine Sustained Release Suspension Administered for 3 Days in the Treatment of Cancer Pain. 1988 **Rhonda M. Cooper, Pharm.D.** and David Oblon, M.D.

A Retrospective Analysis of the Effect of Investigational Studies on Current Ceftazidime Usage at Shands Hospital. 1988 **Rhonda M. Cooper, Pharm.D.**

Utilization of and Satisfaction with a New Investigational Drug Service. 1987 **Rhonda M. Cooper, Pharm.D.** and Becky Coleman, Pharm.D.

The Pharmacokinetics of Ketoprofen in the Elderly. 1987 **Rhonda M. Cooper, Pharm.D.**, Nancy Sambol, Pharm.D., and Roger L. Williams, M.D.

PROFESSIONAL OFFICES AND APPOINTMENTS

- 1987-1989 Secretary, North Central Florida Society of Hospital Pharmacists
- 1986-1987 Western Regional Alumni Director
Phi Delta Chi Pharmaceutical Fraternity

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American College of Clinical Pharmacy
American Heart Association
American College of Cardiology
American Society of Health System Pharmacists
Florida Society of Health-System Pharmacists
North Central Florida Society of Health System Pharmacists

PUBLICATIONS

Articles in Refereed Journals:

1. **Cooper RM.** Potassium Iodide for Radiation Exposure. *Drug Intelligence and Clinical Pharmacy.* 1988; 22: 33-34.
2. Huang D, Harman E, Friedman B, Tanaka W, **Cooper RM**, Hendeles L. Effect of a leukotriene synthesis inhibitor (MK-886) on the early and late asthmatic response. *Chest* 1990;98:50S. DOI:[10.1378/chest.98.2 Supplement.36S](https://doi.org/10.1378/chest.98.2_Supplement.36S).
3. Hendeles L, Davison D, Blake K, Harman E, **Cooper RM**, Margolskee D. Leukotriene D₄ is an important mediator of antigen-induced bronchoconstriction: Attenuation of dual response with MK-571, a specific LTD₄ receptor antagonist. *J Allergy Clin Immunol* 1990;85(1):197.
4. Murgatroyd RJ, **Cooper RM.** Readability of informed consent forms. *Am J of Hosp Pharm* 1991;48(12):2651-2652. PMID: [1814213](https://pubmed.ncbi.nlm.nih.gov/1814213/).
5. Pepine CJ, Handberg-Thurmond E, Marks RG, Conlon M, **Cooper-DeHoff RM**, Volkers P, Zelles P. Rationale and design of the INternational VERapamil SR/Trandolapril STudy (INVEST): An internet-based randomized trial in coronary artery disease patients with hypertension. *J Am Coll Cardiol* 1998;32(5):1228-1237. PMID: [9809930](https://pubmed.ncbi.nlm.nih.gov/9809930/).
6. Grant MB, Mames RN, Fitzgerald C, Hazariwala KG, **Cooper-DeHoff R**, Caballero S, Estes KS. The efficacy of octreotide in the therapy of severe nonproliferative and early proliferative diabetic retinopathy: a randomized controlled study. *Diabetes Care* 2000;23(4):504-509. PMID: [10857943](https://pubmed.ncbi.nlm.nih.gov/10857943/).
7. **Cooper-DeHoff RM**, Handberg E, Heissenberg, C, Johnson, K. Electronic prescribing via the internet for a coronary artery disease and hypertension megatrial. *Clin Cardiol* 2001;24(11):V14-V16. PMID: [11712771](https://pubmed.ncbi.nlm.nih.gov/11712771/).
8. Conti CR, **Cooper-DeHoff RM.** How will INVEST and other hypertension trials change clinical practice? *Clin Cardiol* 2001;24(11 Suppl):V24-V29. PMID: [11712773](https://pubmed.ncbi.nlm.nih.gov/11712773/).
9. Pepine CJ, **Cooper-DeHoff RM**, Weiss RJ, Koren M, Bittar N, Thadani U, Minkwitz MC, Michelson EL, and Hutchinson HG. Comparative Efficacy and safety of nisoldipine and amlodipine (CESNA-II) study investigators. Comparison of effects of nisoldipine-extended release and amlodipine in patients with systemic hypertension and chronic stable angina pectoris. *Am J Cardiol* 2003;91(3):274-279. PMID: [12565082](https://pubmed.ncbi.nlm.nih.gov/12565082/).
10. Pepine CJ, Handberg EM, **Cooper-DeHoff RM**, Marks RG, Kowey P, Messerli FH, Mancina G, Cangiano JL, Garcia-Barreto D, Keltai M, Erdine S, Bristol HA, Kolb HR, Bakris GL, Cohen JD, Parmley WW. A calcium antagonist vs. a non-calcium antagonist hypertension treatment strategy for patients with coronary artery disease. The

- International Verapamil-Trandolapril Study (INVEST): a randomized controlled trial *JAMA* 2003;290(21):2805-2816. PMID: [14657064](#).
11. Pepine CJ, **Cooper-DeHoff RM**. Cardiovascular therapies and risk for development of diabetes. *J Am Coll Cardiol* 2004;44(3):509-512. PMID: [15358012](#).
 12. **Cooper-DeHoff RM**, Handberg EM, Cohen J, Kowey P, Messerli FH, Mancina G, Cangiano JL, Gaxiola E, Garcia-Barreto D, Hewkin AC, Pepine CJ; INVEST Investigators. Characteristics of contemporary patients with hypertension and coronary artery disease. *Clin Cardiol*. 2004;27(10):571-576. PMID: [15553310](#).
 13. Bakris GL, Gaxiola E, Messerli FH, Mancina G, Erdine S, **Cooper-DeHoff RM**, Pepine CJ; INVEST Investigators. Clinical outcomes in the diabetes cohort of the International Verapamil SR-trandolapril Study. *Hypertension* 2004;44(5):637-642. PMID: [15381674](#).
 14. Zineh I, **Cooper-DeHoff RM**, Wessel TR, Arant CB, Sleight P, Geiser EA, Pepine CJ. Global differences in blood pressure control and clinical outcomes in the International Verapamil SR-trandolapril Study (INVEST). *Clin Cardiol* 2005;28(7):321-328. PMID: [16075824](#).
 15. Elliott WJ, Hewkin AC, Kupfer S, **Cooper-DeHoff RM**, Pepine CJ. A drug dose model for predicting clinical outcomes in hypertensive coronary disease patients. *J Clin Hypertension* 2005;7(11):654-663. PMID: [16278523](#).
 16. **Cooper-DeHoff RM**, Pepine CJ. Editorial: Ranolazine is associated with cardiovascular and metabolic improvement: A win-win for patients with diabetes. *Eur Heart J* 2006;27(1):5-6. PMID: [16267073](#).
 17. Pepine CJ, Kowey PR, Kupfer S, Kolloch RE, Benetos A, Mancina G, Coca A, **Cooper-DeHoff RM**, Handberg EM, Gaxiola E, Sleight P, Conti CR, Hewkin AC, Tavazzi L. Predictors of adverse outcomes among patients with hypertension and coronary artery disease. *J Am Coll Cardiol* 2006;47(3):547-551. PMID: [16458134](#).
 18. **Cooper-DeHoff RM**, Aranda JM, Gaxiola E, Cangiano JL, Garcia-Barreto D, Conti CR, Hewkin A, Pepine CJ. Blood pressure control and cardiovascular outcomes in high risk Hispanic patients – Findings from the International Verapamil SR/Trandolapril Study (INVEST). *Am Heart J* 2006;151(5):1072-1079. PMID: [16644338](#).
 19. **Cooper-DeHoff RM**, Cohen JD, Bakris GL, Messerli FH, Erdine S, Hewkin AC, Kupfer S, Pepine CJ. Predictors of Development of Diabetes Mellitus in Patients with Coronary Artery Disease Taking Antihypertensive Medications (Findings from the International Verapamil SR-Trandolapril Study [INVEST]). *Am J Cardiol* 2006, 98(7):890-894. PMID: [16996868](#).
 20. Epstein BJ and **Cooper-DeHoff RM**. Effect of Ramipril on the Incidence of Diabetes – Letter to the Editor. *N Engl J Med*. 2007;356(5):523. PMID: [17269176](#).
 21. Bakris GL, **Cooper-DeHoff RM**, Zhou Q, Kupfer S, Champion A, Pepine CJ, for the INVEST Investigators. Dual Therapy in Hypertensive Patients with Coronary Artery Disease: The Role of Calcium Channel Blockers and B-Blockers. *Am. J. Cardiovasc. Drugs*. 2007; 7 (Suppl.1): 25-29. PMID: [19845074](#).
 22. Langaee TY, Gong Y, Yarandi HN, Katz DA, **Cooper-DeHoff RM**, Pepine CJ, Johnson JA. Association of CYP3A5 Polymorphisms with Hypertension and Antihypertensive Response to Verapamil. *Clinical Pharmacology & Therapeutics*. 2007;81(3):386-391. PMID: [17339868](#).
 23. **Cooper-DeHoff RM**, Zhou Q, Gaxiola E, Cangiano JL, Garcia-Barreto D, Handberg E, Pepine CJ. Influence of Hispanic Ethnicity on Blood Pressure Control and Cardiovascular Outcomes in Women with CAD and Hypertension: Findings from INVEST. *Journal of Women's Health*, 2007;16(5):632-640. PMID: [17627399](#).
 24. Brunner M, **Cooper-DeHoff RM**, Gong Y, Karnes JH, Langaee TY, Pepine CJ, Johnson JA. Factors influencing blood pressure response to trandolapril add-on therapy in patients taking verapamil SR (from the International Verapamil SR/ Trandolapril [INVEST] Study). *Am J Cardiol* 2007;99(11):1549-1554. PMID: [17531579](#). PMID: [PMC2720593](#).

25. Beitelshes AL, Gong Y, Wang D, Schork NJ, **Cooper-DeHoff RM**, Langaee TY, Shriver MD, Sadee W, Knot HJ, Pepine CJ, Johnson JA; INVEST Investigators. KCNMB1 genotype influences response to verapamil. SR and adverse outcomes in the INternational VERapamil SR/Trandolapril STudy (INVEST). *Pharmacogenetics and Genomics* 2007;17(9):719-729. PMID: [17700361](#). PMCID: [PMC2713584](#).
26. Uretsky S, Messerli FH, Bangalore S, Champion A, **Cooper-DeHoff RM**, Zhou Q, Pepine CJ. Obesity Paradox in Patients with Hypertension and Coronary Artery Disease. *The American Journal of Medicine*. 2007;120(10): 863-870. PMID: [17904457](#).
27. **Cooper-DeHoff RM**, Pepine CJ. Metabolic Syndrome and Cardiovascular Disease: Challenges and Opportunities. *Clinical Cardiol* 2007;30(12): 593-597. PMID: [17607758](#). PMCID: [PMC2794411](#).
28. Coca A, Messerli FH, Benetos A, Zhou Q, Champion A, **Cooper-DeHoff RM**, Pepine CJ. Predicting Stroke Risk in Hypertensive Patients with Coronary Artery Disease: A Report from the INVEST. *Stroke*, 2008;39(2):343-348. PMID: [18162623](#). PMCID: [PMC2805179](#).
29. Kolloch R, Legler UF, Champion A, **Cooper-DeHoff RM**, Handberg E, Zhou Q, and Pepine CJ. Impact of resting heart rate on outcomes in hypertensive patients with coronary artery disease: findings from the INternational VERapamil-SR/trandolapril STudy (INVEST) *Eur Heart J*. 2008;29(10):1327-1334. PMID: [18375982](#). PMCID: [PMC2805436](#).
30. Pacanowski MA, Zineh I, Li H, Johnson BD, **Cooper-DeHoff RM**, Bittner V, McNamara DM, Sharaf BL, Bairey Merz CN, Pepine CJ, Johnson JA. Adrenergic gene polymorphisms and cardiovascular risk in the NHLBI-sponsored Women's Ischemia Syndrome Evaluation. *J Transl Med*. 2008. 6:1-11. PMID: [18331634](#). PMCID: [PMC2329599](#).
31. Shaw LJ, Bairey Merz CN, Azziz R, Stanczyk FZ, Sopko G, Braunstein GD, Kelsey SF, Kip KE, **Cooper-DeHoff RM**, Johnson BD, Vaccarino V, Reis SE, Bittner V, Hodgson TK, Rogers W, Pepine CJ. Postmenopausal Women with a History of Irregular Menses and Elevated Androgen Measurements at High Risk for Worsening Cardiovascular Event-Free Survival: Results from the National Institutes of Health--National Heart, Lung, and Blood Institute Sponsored Women's Ischemia Syndrome Evaluation. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1276-1284. PMID: [18182456](#). PMCID: [PMC2291491](#). (Retracted).
32. Gerhard T, Gong Y, Beitelshes AL, Mao X, Lobmeyer MT, **Cooper-DeHoff RM**, Langaee TY, Schork NJ, Shriver MD, Pepine CJ, Johnson JA; INVEST Investigators. Alpha-adducin polymorphism associated with increased risk of adverse cardiovascular outcomes: results from GENETic Substudy of the INternational VERapamil SR-trandolapril STudy (INVEST-GENES). *Am Heart J*. 2008 Aug;156(2):397-404. PMID: [18657677](#). PMCID: [PMC2547143](#).
33. Pacanowski MA, Gong Y, **Cooper-DeHoff RM**, Schork N, Shriver M, Langaee T, Pepine CJ, Johnson J. beta-Adrenergic Receptor Gene Polymorphisms and beta-Blocker Treatment Outcomes in Hypertension. *Clin Pharmacol Ther*. 2008;84(6):715-721. PMID: [18615004](#). PMCID: [PMC2675574](#).
34. **Cooper-DeHoff RM**. Thiazide Induced Dysglycemia – It's Time To Take Notice. *Exp Rev of Card Ther*. 2008;6(10):1291-1294. PMID: [19018679](#). PMCID: [PMC3891644](#).
35. Johnson AD, Gong Y, Wang D, Langaee TY, Shin J, **Cooper-DeHoff RM**, Schork NJ, Binkley P, Pepine CJ, Johnson JA, Sadee W. Promoter polymorphisms in ACE (angiotensin-I converting enzyme) associated with clinical outcomes in hypertension. *Clin Pharmacol Ther* 2009;85(1):36-44. PMID: [18946466](#). PMCID: [PMC2709290](#).
36. **Cooper-DeHoff RM**, Pacanowski MA, Pepine, CJ. Cardiovascular Therapies and Associated Glucose Homeostasis: Implications across the Dysglycemia Continuum. *J Am Coll Cardiol*. 2009;53(5 Suppl):S28-34. PMID: [19179214](#). PMCID: [PMC2655143](#).
37. Denardo SJ, Messerli FH, Gaxiola E, Aranda JM, **Cooper-DeHoff RM**, Handberg EM, Gong Y, Champion A, Zhou Q, Pepine, CJ. Characteristics and Outcomes of

- Revascularized Patients with Hypertension – An International Verapamil SR-Trandolapril Substudy. *Hypertension*. 2009; 53(4):624-630. PMID: [19237684](#). PMCID: [PMC2794408](#).
38. Johnson JA, Boerwinkle E, Zineh I, Chapman AB, Bailey K, **Cooper-DeHoff RM**, Gums J, Curry RW, Gong Y, Beitelshes AL, Schwartz G, Turner ST. Pharmacogenomics of Antihypertensive Drugs: Rationale and Design of the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study. *Am Heart J* 2009;157(3):442-449. PMID: [19249413](#). PMCID: [PMC2671287](#).
39. Pacanowski MA, Zineh I, **Cooper-DeHoff RM**, Pepine CJ, Johnson JA. Genetic and Pharmacogenetic Associations Between NOS3 Polymorphisms, Blood Pressure, and Cardiovascular Events in Hypertension. *Am J Hypertens*, 2009;22(7):748-753. PMID: [19407804](#). PMCID: [PMC2803093](#).
40. Gulati M, **Cooper-DeHoff RM**, McClure C, Johnson BD, Shaw LJ, Handberg EM, Zineh I, Kelsey SF, Arnsdorf MF, Black HR, Pepine CJ, Bairey Merz CN. Adverse Cardiovascular Outcomes In Women with Nonobstructive Coronary Artery Disease: A Report From The National Institutes of Health-National Heart, Lung, and Blood Institute-Sponsored Women's Ischemia Syndrome Evaluation (WISE) Study and The St James Women Take Heart (WTH) Project. *Arch Int Med*. 2009;169(9):843-850. PMID: [19433695](#). PMCID: [PMC2782882](#).
41. Gong Y, Handberg EM, Gerhard T, **Cooper-DeHoff RM**, Ried D, Johnson JA, Pepine CJ. Systolic Blood Pressure and Subjective Well-Being in Patients with Coronary Artery Disease. *Clinical Cardiology*. 2009;32(11):627-632. PMID: [19711440](#). PMCID: [PMC2810952](#).
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ABSTRACTS:

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 64. Gong Y, Beitelshes AL, Lobmeyer MT, Langaee TY, **Cooper-DeHoff RM**, Wu J, Spertus JA, Province MA, Pepine CJ, Johnson JA. Chromosome 9p21 SNPs Haplotypes are Associated with Cardiovascular Outcomes in Patients with Coronary Artery Disease. *Circulation.* 2010; 122(Suppl. 21):A16925. Presentation at the American Heart Association Scientific Sessions; November 13 - 17 2010; Chicago IL.
 65. Park K, Egelund E, Wen X, **Cooper-DeHoff RM**, Bairey Merz CN, Handberg EM, Johnson BD, Sopko G, Johnson JA, Pepine CJ. Serotonin Transporter Gene Polymorphism in Women with Suspected Ischemia: A Report from the NHLBI-sponsored WISE. *Circulation.* 2010; 122(Suppl. 21):A20055. Poster Presentation at the American Heart Association Scientific Sessions; November 13 - 17 2010; Chicago IL.
 66. Davis HM, Gong Y, Pepine CJ, **Cooper-DeHoff RM**, Johnson JA. Genetic Variation in the Calcium Signaling Pathway and Association with Outcomes in Hypertensive Coronary Artery Disease Patients. *Clinical Pharmacology & Therapeutics.* 2011; 89(S1): S20. Poster presentation at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting; March 3, 2011; Dallas, TX.
 67. Vandell AG, Lobmeyer MT, Gawronski B, Langaee TY, Gong Y, Beitelshes AL, Gums JG, Turner ST, Chapman AB, **Cooper-DeHoff RM**, Liggett SB, Johnson JA. Influence of G Protein Kinase 4 (GRK4) Polymorphisms on Blood Pressure Response to the β Blocker Atenolol. *Clin Pharmacol Ther.* 2011; 89(S1):S74. Poster presentation at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting; March 5, 2011; Dallas, TX.
 68. Gong Y, McDonough CW, Wang Z, **Cooper-DeHoff RM**, Langaee TY, Beitelshes AL, Turner ST, Chapman AB, Gums JG, Bailey KR, Boerwinkle E, Johnson JA. Hypertension Susceptibility Loci associated with Blood Pressure Response to Antihypertensives - Results from the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study. *Clin Pharmacol Ther.* 2012; 91 (S1): S16. Poster presentation at the 113th Annual American Society of Clinical Pharmacology and Therapeutics Meeting; March 15, 2012; National Harbor, MD.
 69. McDonough CW, Burkley B, Gong Y, Langaee TY, Pepine CJ, **Cooper-DeHoff RM**, Johnson JA. Non-Synonymous SNPs in *SELE*, *SELP*, and *SIGLEC12* associate with cardiovascular (CV) outcomes in the International Verapamil SR-Trandolapril Study Genetic Substudy (INVEST-GENES). *Clin Pharmacol Ther.* 2012; 91 (S1): S20. Poster presentation at the 113th Annual American Society of Clinical Pharmacology and Therapeutics Meeting; March 15, 2012; National Harbor, MD.
 70. Karnes JH, McDonough CW, Gong Y, Langaee TY, Pepine CJ, Johnson JA, **Cooper-DeHoff RM**. Alpha adducin-1 (*ADD1*) single nucleotide polymorphism (SNP) associated with new onset diabetes risk with hydrochlorothiazide (HCTZ) therapy in the International Verapamil SR Trandolapril Genetic Substudy (INVEST-GENES). *Clin Pharmacol Ther.* 2012; 91 (S1): S21. Poster presentation at the 113th Annual the American Society of Clinical Pharmacology and Therapeutics Meeting; March 15, 2012; National Harbor, MD.
 71. Moore MJ, Gong Y, Hou W, Chapman AB, Langaee TY, Schwartz GL, Turner ST, Gums JG, Bailey K, Boerwinkle E, Beitelshes AL, **Cooper-DeHoff RM**, Johnson JA. Clinical Predictors of Dysglycemic Effects Associated with Use of Beta Blockers and Thiazide Diuretics. *Clin Pharmacol Ther.* 2012; 91(1):S24-25. Poster presentation at the 113th

- Annual American Society of Clinical Pharmacology and Therapeutics Meeting; March 15, 2012; National Harbor, MD.
72. Moore MJ, Gong Y, Schmidt S, Hall K, Langae T, Gums JG, **Cooper-DeHoff RM**, Johnson JA. Antihypertensive Medication Exposure and Adverse Glycemic Effects: An Evaluation of Fasting and Stimulated Glucose. *Clin Pharmacol Ther.* 2012; 91 (S1): S25-S26. Poster presentation at the 113th Annual the American Society of Clinical Pharmacology and Therapeutics Meeting; March 15, 2012; National Harbor, MD.
 73. Vandell AG, McDonough CW, Langae TY, Burkley B, Gong Y, Turner ST, Gums JG, Chapman AB, Beitelshes AL, Bailey KR, Boerwinkle E, **Cooper-DeHoff RM**, Johnson JA. Association of FTO with Hydrochlorothiazide (HCTZ)-Induced Elevation in Uric Acid (UA) in African American (AA) Hypertensives in the Pharmacogenomic Evaluation of Antihypertensive Response (PEAR) Study. *Clin Pharmacol Ther.* 2012; 91 (S1): S59-S60. Poster presentation at the 113th Annual the American Society of Clinical Pharmacology and Therapeutics Meeting; March 16, 2012; National Harbor, MD.
 74. Bavry AA, Gong Y, Kumbhani DJ, Kowey P, Haththotuwa EK, Handberg EM, **Cooper-DeHoff RM**, Pepine, CJ. Simple prediction of long-term mortality among hypertensive patients with coronary artery disease: New data from an extended follow up of the International Verapamil-SR/Trandolapril Study (INVEST). *J Am Coll Cardiol.* 2012; 59(13 Suppl.):E1496. Poster presentation at the American College of Cardiology Scientific Sessions; March 26, 2012; Chicago, IL.
 75. Winchester DE, Gong Y, **Cooper-DeHoff RM**, Handber E, Pepine C. Mortality associated with angina and blood pressure control among hypertensive patients with coronary artery disease: new data from extended follow-up of the International Verapamil/Tradolapril Study. *J Am Coll Cardiol.* 2012; 59(13 Suppl.):E1458. Poster presentation at the American College of Cardiology Scientific Sessions; March 26, 2012; Chicago, IL.
 76. **Cooper-DeHoff RM**, Gong Y, Handberg E, Messerli F, Bakris G, Ahmed A, Bavry A, Pepine C. Treatment-resistant blood pressure among patients with coronary artery disease—cause for concern: new data from the extended follow-up of the International Verapamil SR-Trandolapril Study (INVEST). *J Am Coll Cardiol.* 2012; 59(13 Suppl.):E1498. Poster presentation at the American College of Cardiology Scientific Sessions; March 26, 2012; Chicago, IL.
 77. Khaliq A, Johnson BD, Anderson R, Bavry A, **Cooper-DeHoff RM**, Handberg E, Bairey Merz CN, Pepine C. Relationships between components of metabolic syndrome and coronary intravascular ultrasound (IVUS) atherosclerosis measures in women without obstructive coronary artery disease: The NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) study. *J Am Coll Cardiol.* 2012; 59(13 Suppl.):E1742. Poster presentation at the American College of Cardiology Scientific Sessions; March 25, 2012; Chicago, IL.
 78. **Cooper-DeHoff RM**, Shuster J, Lo M, Handberg E, Davoodi-Semiromi A, Pepine CJ. Early effects of ace inhibition on glucose tolerance during thiazide treatment in patients with metabolic syndrome. *J Clin Hypertens.* 2012;14(Suppl. 1):44. Presented at the 27th Annual American Society of Hypertension Meeting; May 19-22, 2012; New York, NY.
 79. Bavry AA, Kumbhani DJ, Gong Y, Handberg EM, **Cooper-DeHoff RM**, Pepine CJ. Prediction tool for adverse events among patients with hypertension and chronic stable coronary artery disease. *Circulation.* 2012;126:(Suppl 21): A11945. Poster Presentation at the American Heart Association Scientific Sessions; November 5, 2012; Los Angeles, CA.
 80. **Cooper-DeHoff RM**, Bird ST, Nichols GA, Delaney JC, Winterstein AG. Association of antihypertensive drug classes, alone or in combination with incident diabetes: a nested case-control study. *Circulation.* 2012; 126(Suppl. 21):A11073. Presentation at the American Heart Association Scientific Sessions; November 5, 2012; Los Angeles, CA.
 81. **Cooper-DeHoff RM**, Garvan C, Delaney JA, Winterstein AG, Bavry A, Howard BV, Chen C, Manson J, Phillips LS, Liu S, Song Y, Shorr RI, Limacher M, and Women's

- Health Initiative Investigators. Chronic utilization of medications with metabolic effects and risk for incident diabetes in postmenopausal women. *Circulation*. 2012; 126:A10050. Presentation at the American Heart Association Scientific Sessions; November 5, 2012; Los Angeles, CA.
82. **Cooper-DeHoff RM**, Hou W, Baillie R, Beitelshes AL, Gong Y, Chapman AB, Gums JG, Turner ST, Boyle SH, Zhu H, Wikoff WR, Fiehn O, Frye RF, Kaddurah-Daouk R, Johnson JA. Pharmacometabolomics reveals a novel signature for predicting beta blocker associated impaired fasting glucose. *Circulation*. 2012; 126(Suppl 21):A11088. Poster presentation at the American Heart Association Scientific Sessions; November 4, 2012; Los Angeles, CA.
83. Gong Y, Moore MJ, Karnes JH, McDonough CW, Wang Z, Langaee TY, Beitelshes AL, Turner ST, Chapman AB, Gums JG, Bailey K, Boerwinkle E, Johnson JA, **Cooper-DeHoff RM**. Fasting Glucose Loci Associated with Glucose Response to Antihypertensives-Results from the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR). *Clin Pharmacol Ther*. 2013; 93 (S1): S28. Presentation at the 114th Annual American Society for Clinical Pharmacology and Therapeutics Annual meeting; March 20, 2013; Indianapolis, IN.
84. Gong Y, McDonough CW, Wang Z, Langaee TY, Beitelshes AL, Gums JG, Bailey KR, Boerwinkle E, Chapman AB, Turner ST, **Cooper-DeHoff RM**, Johnson JA. Genome-wide Association Analysis (GWAS) of Blood Pressure Response to Atenolol-Results from Pharmacogenomic Evaluation of Antihypertensive Responses Study. *Clin Pharmacol Ther* 2014; 95 (S1): S16. Presentation at the 115th Annual American Society for Clinical Pharmacology and Therapeutics Annual meeting; March 20, 2014; Atlanta, GA.
85. Chang S, McDonough CW, Gong Y, Pepine CJ, Johnson JA, **Cooper-DeHoff RM**. A Pharmacogenomic Genome-wide Association Study (GWAS) for New onset diabetes in the International Verapamil SR-Trandolapril Study (INVEST). *Clin Pharmacol Ther*. 2014; 95 (S1): S59. Presentation at the 115th Annual American Society for Clinical Pharmacology and Therapeutics Annual meeting; March 20, 2014; Atlanta, GA.
86. Fontana V, McDonough CW, Gong Y, El Rouby NM, Sá AC, Pepine CJ, **Cooper-DeHoff RM**, Johnson JA. ATP2B1 Locus is Associated with Resistant Hypertension in the International Verapamil SR-Trandolapril Study-Genetic Substudy (INVEST-GENES). *Clin Pharmacol Ther*. 2014; 95 (S1): S26. Poster presentation at the 115th Annual American Society for Clinical Pharmacology and Therapeutics Annual meeting; March 20, 2014; Atlanta, GA.
87. McDonough CW, Gong Y, Langaee TY, Pepine CJ, **Cooper-DeHoff RM**, Johnson JA. A Pharmacogenomic Genome-Wide Association Study for Adverse Cardiovascular Outcomes in the International Verapamil SR-Trandolapril Study (INVEST). *Clin Pharmacol Ther*. 2014; 95 (S1): S71. Poster presentation at the 115th Annual American Society for Clinical Pharmacology and Therapeutics Annual meeting; March 21, 2014; Atlanta, GA.
88. Sa AC, Webb A, Gong Y, Langaee T, Turner S, Chapman A, Gums J, Scherer S, **Cooper-DeHoff RM**, Sadee W, Johnson JA. Identifying Genes Differentially Expressed Associated with Extreme Blood Pressure Response to Hydrochlorothiazide monotherapy. Abstract/Program 732M. Poster presented at the 64th Annual Meeting of The American Society of Human Genetics; October 20, 2014; San Diego, CA
89. El Rouby N, McDonough CW, Gong Y, Pepine CJ, Takahashi A, Tanaka T, Kubo M, **Cooper-DeHoff RM**, Johnson JA. Genome-wide association study of resistant hypertension in INVEST. Poster 702M. Presented at the 64th Annual Meeting of The American Society of Human Genetics; October 20, 2014; San Diego, CA.
90. Winterstein AG, **Cooper-DeHoff RM**, Kubilis P, Nichols G, Delaney JAC. Diabetogenic effects of atypical antipsychotics – exploration of measurement bias. *Pharmacopei Drug Saf*. 2014;23(S1):142-143. Presentation at the 30th Conference of

- Pharmacoevidence & Therapeutic Risk Management; October 24-27, 2014; Taipei, Taiwan. Spotlight poster winner – Methods Special Interest Group.
91. Smith SM, Huo T, Gong Y, Handberg EM, Gulati M, Bairey Merz CN, Pepine C, **Cooper-DeHoff RM**. Mortality Risk Associated with Apparent Treatment-Resistant Hypertension Among Women. *Circulation*. 2014; 130: A17677. Presentation at the American Heart Association Scientific Sessions; November 16, 2014; Chicago, IL.
 92. Chang S, Gong Y, McDonough CW, Nasiri-Kenari N, Langae T, Beitelshees AL, Gums JG, Chapman AB, Turner ST, Johnson JA, **Cooper-DeHoff RM**. Correlating the Melatonin (MT) Pathway with Atenolol Associated Glucose Dysregulation in the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study. *Clin. Pharmacol. Ther.* 2015; 97(Suppl 1): S17. Presentation at the 116th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 4th, 2015; New Orleans, LA. Presidential Trainee Awards.
 93. Shahin MH, Gong Y, Langae T, Beitelshees AL, Rotroff DM, Chapman AB, Gums JG, Turner ST, Motsinger-Reif A, Frye RF, Fiehn O, Johnson JA, **Cooper-DeHoff RM**, Han X, Kaddurah-Daouk R. Metabolomics, Genomics and Lipidomics Reveal Novel Signatures of Hydrochlorothiazide Response in Pharmacogenomic Evaluation of Antihypertensive Responses (Pear) Study. *Clin. Pharmacol. Ther.* 2015; 97: S30. Poster presentation at the 116th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 3rd, 2015, New Orleans, LA.
 94. Shahin MH, Rotroff DM, Gong Y, Langae T, McDonough CW, Beitelshees AL, Garrett TJ, Chapman AB, Gums JG, Turner ST, Motsinger-Reif A, Frye RF, Scherer SE, Sadee W, Fiehn O, **Cooper-DeHoff RM**, Kaddurah-Daouk R, Johnson JA. Integrating Metabolomics and Genomics Reveals Novel Biomarkers of Hydrochlorothiazide Response in Pharmacogenomic Evaluation Of Antihypertensive Responses (Pear) Study. *Clinical Pharmacology & Therapeutics*. 2015; 97: S11. Presented at the 116th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; Oral Session III; March 3, 2015; New Orleans, LA. Presidential Trainee Awards.
 95. **Cooper-DeHoff RM**, Weng L, Culver J, Gardell SJ, Petucci CJ, Morse AM, Frye RF, Gums J, Beitelshees AL, Borum PR, Johnson JA, Garrett, TJ, McIntyre LM. Pharmacometabolomics Identifies Acylcarnitines Associated with Beta blocker Induced Fasting Glucose Alterations. *Metabolomics 2015*, 11th International Conference of the Metabolomics Society, San Francisco, CA. Poster presentation at the 11th Annual International Conference of the Metabolomics Society; June 29, 2015; San Francisco, CA. Selected by NIH for travel award.
 96. Solayman MH, Langae T, Gong Y, El-Hamamsy M, El-Wakeel L, Boerwinkle E, Chapman A, Turner S, Gums J, Beitelshees A, **Cooper-DeHoff RM**, Badary O, Johnson JA. Association of Plasma MicroRNA with Antihypertensive Response to Beta Blockers. *Clinical Pharmacology in Drug Development*. 2105; 4(S1) 58-59. Presentation at the 44th Annual American College of Clinical Pharmacology Meeting; September 28, 2015; San Francisco, CA. Student Award Winner.
 97. Shahin MH, Sa AC, Webb A, Gong Y, Langae T, McDonough CW, Beitelshees AL, Chapman AB, Gums JG, Turner ST, Frye RF, Scherer SE, Sadee W, **Cooper-DeHoff RM**, Johnson JA. Identifying a Novel Hypertension Genetic Signature Influencing the Blood Pressure Response to Hydrochlorothiazide Treated Patients. Abstract #674. Presentation at the 65th Annual Meeting of the American Society of Human Genetics; October 7th, 2015; Baltimore, MD.
 98. Sa AC, Webb A, Gong Y, McDonough CW, Langae T, Turner ST, Beitelshees AL, Chapman AB, Boerwinkle E, Gums JG, Scherer S, **Cooper-DeHoff RM**, Sadee W, Johnson JA. Molecular Markers of Blood Pressure Response to Thiazide Diuretics Identified Through Whole Transcriptome RNA-Seq Analysis. Abstract #656. Presentation at the 65th Annual Meeting of the American Society of Human Genetics; October 7th, 2015; Baltimore, MD.

99. El Rouby N, McDonough CW, Gong Y, McClure LA, Mitchell BD, Horenstein RB, Talbert RL, Takahashi A, Tanaka T, Kubo M, Pepine CJ, **Cooper-DeHoff RM**, Benavente OR, Shuldiner AR, Johnson JA. Novel genetic loci for resistant hypertension discovered through a genome-wide association approach (GWAS) in the International Verapamil SR-Trandolapril Study (INVEST) and the Secondary Prevention of Subcortical Strokes (SPS3) Study. Abstract # 665. Presentation at the 65th Annual Meeting of the American Society of Human Genetics: October 8th, 2015; Baltimore, MD.
100. Sa AC, Webb A, Gong Y, McDonough CW, Shahin MH, Langaee TY, Turner ST, Beitelshes AL, Chapman AB, Boerwinkle E, Gums JG, Scherer S, **Cooper-DeHoff RM**, Sadee W, Johnson J A. Hypertension (HTN)/Blood Pressure (BP) Signature Genes and BP Response to Thiazide Diuretics (TD): Results From Pear and Pear-2 Studies. *Clinical Pharmacology & Therapeutics*. 2016; 99: S19 (PT23). Poster Presentation at the 117th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 9, 2016; San Diego CA.
101. Shahin MH, Sa AC, Webb A, Gong Y, Langaee T, McDonough CW, Riva A, Beitelshes AL, Chapman AB, Gums JG, Turner ST, Frye RF, Scherer SE, Sadee W, **Cooper-DeHoff RM**, Johnson JA. Finding a Needle in the Haystack for Thiazide Diuretic Response Using Genomics/Transcriptomics in the Pharmacogenomic Evaluation of Antihypertensive Responses (Pear) Study. *Clinical Pharmacology & Therapeutics*. 2016, 99: S19. PT24. Poster presentation at the 117th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 9, 2016; San Diego CA.
102. Mehanna M, Gong Y, McDonough CW, Beitelshes A, Gums J, Chapman AB, Johnson J, Turner S, **Cooper-DeHoff R**. The role of plasma renin activity for improving precision of antihypertensive drug therapy in European Americans and African Americans. *Pharmacotherapy*. 2016;36(12):e21 Abstract #40. Poster presentation at the ACCP Annual Meeting; October 23-26, 2016; Hollywood, FL.
103. Bargal S, Kight J, de Oliveira F, Shahin M, Langaee T, Gong Y, Hamadeh I, **Cooper-DeHoff R**, Cavallari L. Implications of polymorphisms in BCKDK and GATA-4 genetic regions on stable warfarin dose in African Americans. *Pharmacotherapy*. 2016;36(12):e267. Abstract #250. Poster presentation at the ACCP Annual Meeting; October 23, 2016; Hollywood, FL.
104. Cavallari LH, Denny JC, Lee CR, Beitelshes AL, Duarte JD, Kimmel SE, Voora D, McDonough CW, Gong Y, Wei WQ, Pratt VM, Chumnumwat S, Coons JC, **Cooper-DeHoff RM**, Dave CV, Dillon C, Hamadeh IS, Hines L, Howell LA, Jeng LJ, Lee YM, Skaar TC, Sriramoju VB, Stevenson JM, Vesely MR, Wake D, Kreutz RP, Stouffer GA, Wilke RA, Empey PE, Limdi NA, Roden DM, Shuldiner AR, Johnson JA, Peterson JF. Prospective Clinical Implementation of CYP2C19-Genotype Guided Antiplatelet Therapy After PCI: a Multi-Site Investigation of MACE Outcomes in a Real-World Setting. *Circulation*. 2016;134:e711-712. Abstract #21050. Presented as a Late-Breaking Clinical Science Special Report: Precision Medicine on the Front Lines at the American Heart Association's Scientific Sessions; November 15, 2016; New Orleans, LA..
105. Singh S, Alghamdi W, Arwood MJ, Bargal SA, de Oliveira F, Dumeny L, Wen-Yi L, Mehanna M, Stockard B, Yang G, Fredette N, Shahin M, Bailey KR, Beitelshes AL, Boerwinkle E, Chapman AB, Gums JG, Turner ST, Gong Y, McDonough CW, **Cooper-DeHoff RM**, Johnson JA. A Genome Wide Association Study to Identify Pharmacogenomic Variants Associated with Chlorthalidone Induced Glucose Change in African Americans. *Clinical Pharmacology & Therapeutics*. 2017; 101(S1): S9 (PT-019). Poster presentation at the 118th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 15, 2017; Washington, DC. Presidential Trainee Award.
106. Shahin MH, Michailidis G, Gong Y, Beitelshes AL, Chapman AB, Gums JG, Boerwinkle E, Turner ST, **Cooper-DeHoff RM**, Johnson JA. Thiazide Induced Hyperuricemia: Novel Insights from Metabolomics and Genomics Integration in the Pharmacogenomic Evaluation of Antihypertensive Responses 2 (PEAR 2) Study. *Clinical Pharmacology & Therapeutics*. 2017; 101(S1): S13 (PT-028). Presentation at the 118th Annual American

- Society for Clinical Pharmacology and Therapeutics Meeting; March 15-16, 2017; Washington, DC. Presidential trainee award.
107. El Rouby N, McDonough CW, Gong Y, McClure LA, Mitchell BD, Horenstein RB, Talbert RL, Bradford Y, Crawford DC, Ritchie MD, Gitzendanner MA, Takahashi A, Tanaka T, Kubo M, Pepine CJ, Benavente OR, **Cooper-DeHoff RM**, Johnson JA. A GWAS of Resistant Hypertension in the International Verapamil SR-trandolapril Study (INVEST) and Secondary Prevention of Small Subcortical Strokes (SPS3). *Clinical Pharmacology & Therapeutics*. 2017; 101:S27. (PI 029). Poster presentation at 118th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 15–18, 2017; Washington, DC.
 108. Solayman MH, Langae TY, Gong Y, Turner ST, Chapman AB, Gums JG, Boerwinkle E, Beitelshees AL, El-Wakeel L, El-Hamamsy M, **Cooper-DeHoff RM**, Badary OA, Johnson, JA. Association of ADRB1 Gene DNA Methylation with Antihypertensive Response to Metoprolol in the Pharmacogenomic Evaluation of Antihypertensive Responses 2 (PEAR-2) Study. *Clinical Pharmacology & Therapeutics* 2017, 101(S1): S47 (PI-106). Poster presentation at the 118th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 16, 2017; Washington, DC.
 109. Costa Sa A, Webb A, Gong Y, McDonough CW, Shahin MH, Datta S, Langae TY, Turner ST, Beitelshees AL, Chapman AB, Boerwinkle E, Gums JG, Scherer SE, **Cooper-DeHoff RM**, Sadee W, Johnson JA. RNA-Seq Analyses Identify Molecular Markers of Blood Pressure (BP) Response to Thiazide Diuretics (TD). *Clinical Pharmacology & Therapeutics* 2017; 101(S1): S96 (PWIV-001). Poster presentation at the 118th Annual American Society for Clinical Pharmacology and Therapeutics Meeting; March 17, 2017; Washington, DC. Top Trainee Award.
 110. Gong Y, Nguyen HK, Szady A, Hamadeh I, Lipori G, Sun Q, **Cooper-DeHoff RM**, Langae TY, Shah C, Pepine CJ, Lucas AR, Moreb J. Cardiomyopathy Associated with Targeted Anticancer Therapies in Electronic Health Records. *J Am Coll Cardiol*. 2017. Poster presentation at the 66th Annual Scientific Sessions of the American College of Cardiology; Washington, DC; March 19, 2017.
 111. Magvanjav O, Gong Y, McDonough CW, Chapman AB, Turner ST, Gums JG, Bailey KR, Boerwinkle E, Beitelshees AL, Tanaka T, Kubo M, Pepine CJ, **Cooper-DeHoff RM**, Johnson JA. Towards precision therapy in hypertension: Genome-wide association study reveals genetic variants associated with uncontrolled blood pressure on thiazide diuretic/beta-blocker combination therapy. #PgmNr 2713/W. Presentation at the 67th Annual Meeting of the American Society of Human Genetics; Orlando, FL; October 18, 2017.
 112. Shahin MH, Akoluk A, Singh S, McDonough CW, Gong Y, Chapman AB, Turner ST, Gums JG, Beitelshees AL, Boerwinkle E, **Cooper-DeHoff RM**, Johnson JA. A genome-wide association study identifies novel genetic signatures associated with thiazide diuretics adverse metabolic events. PgmNr 2678/T. Poster presentation at the 67th Annual Meeting of The American Society of Human Genetics; Orlando, FL; October 19, 2017.
 113. Singh S, Gong Y, McDonough CW, Bailey KR, Beitelshees AL, Boerwinkle E, Chapman AB, Gums JG, Turner ST, **Cooper-DeHoff RM**, Johnson JA. Genome-wide association study reveals novel genetic markers associated with chlorthalidone blood pressure response. PgmNr 2685/F. Poster presentation at the 67th Annual Meeting of The American Society of Human Genetics; Orlando, FL; October 20, 2017.

PATENTS

US Patent No. 5,991,731

Title: Method and System for Interactive Prescription and Distribution of Prescriptions in Conducting Clinical Studies

UF Reference Number: 1682

INVITED JOURNAL REFEREE:

1. Psychosomatic Medicine
2. Pharmacotherapy
3. Journal of Human Hypertension
4. Clinical Cardiology
5. Circulation
6. Long Term Care Interface
7. British Journal of Clinical Pharmacology
8. Pharmacogenomics
9. Expert Review of Cardiovascular Therapy
10. Pharmacogenetics and Genomics
11. Lancet
12. Archives of Internal Medicine
13. JAMA
14. Journal of Women’s Health
15. Nature Communications

EDITORIAL ACTIVITIES:

Editor - Pharmacology Column
2016-Present American Journal of Medicine

Editorial Board– Cardiology Today
2005-2015 Cardiovascular Pharmacology Section

Invited Quarterly Column – Cardiology Today, Pharmacology Consult
2005-2015

November 2006	FDA: Separate Ibuprofen and Aspirin
February 2007	Grapefruit – Drug Interaction: Important Considerations for Heart Disease Patients
May 2007	With OTC Simvastatin, U.K.’s Statin Prescriptions Down
August 2007	Taking Steps to Reduce NSAID Risks
November 2007	Patients Beware: Ways to minimize medication errors
February 2008	Genotype-guided warfarin dosing now a reality. An NIH study planned for this year will assess multiple outcomes related to warfarin safety and efficacy.
May 2008	Despite efforts, limited efficacy exists for dietary supplements, p.16
August 2008	Low-cost generic programs help make medication co-pays more affordable.

SELECTED INVITED PRESENTATIONS

1. Justifying, Implementing, and Financing Investigational Drug Services at Shands Hospital. Presented at the ASHP Midyear Meeting, Las Vegas, Nevada, December 1990.
2. Computerization of an Investigational Drug Service Data Base. Presented at the University Hospital Consortium's Technology Advancement Center Meeting, Chicago, Illinois, March 1991.
3. Formulary Management of Biotechnology Through a Subcommittee. Presented at the Biotechnology Institute, Charlotte, North Carolina, September 1993, August 1994.

4. Justifying, Implementing and Financing an Investigational Drug Service - an Update. Presented at the FSHP annual meeting, Orlando, Florida. August 19, 1994.
5. Participant in "Today in Cardiology" Roundtable. The Safety of Cox-2 Inhibitors in Patients with CHD. Anaheim, California, February 2001.
6. Managing Hypertension in CAD Patients: What Have the Clinical Trials Taught Us? Are the JNC VI guidelines being followed in the 21st Century? American College of Cardiology, Twenty-first annual perspectives on New Diagnostic and Therapeutic Techniques in Clinical Cardiology. January 27, 2002.
7. Managing Hypertension in Patients with CAD. Florida Society of Health System Pharmacists annual meeting, Jacksonville, Florida. November 10, 2002.
8. Hypertension: New Observations on Gender, Ethnicity, and Diabetes from INVEST. American College of Cardiology, Twenty-second annual perspectives on New Diagnostic and Therapeutic Techniques in Clinical Cardiology. January 24, 2003.
9. Managing Blood Pressure and Cardiovascular Risk in the Complex Patient – a Focus on the Guidelines and the Evidence. North Central Florida Society of Health System Pharmacists. March 31, 2004.
10. Pharmacologic Management of Hypertension. American College of Cardiology, March 11, 2006.
11. Women's Heart Health: An Update. Shands Women's Advantage, February 15, 2007
12. CAD, Inflammation and COX-2 Inhibitors. North Central Florida Society of Health System Pharmacists. March 14, 2007.
13. Women's Heart Disease – New Prevention Guidelines. Prime Time Institute, Gainesville, Florida. May 31. 2007.
14. Facilitating Investigator Initiated Research within the Cardiovascular Medicine Division, Cardiovascular Grand Rounds, Gainesville, Fl. August 23, 2007.
15. Cardiovascular Medications – an update. Oak Hammock Community, Gainesville, Florida. October 2, 2007
16. Hypertension: Evidence Based Treatments to Improve Patient Outcomes. American Health Resources, CVS Pharmacists, Ocala and Tampa, Florida. October 14 and 29, 2007.
17. Supplements: Where's the Evidence? American College of Cardiology Annual Scientific Sessions, Chicago, Illinois, March 2008.
18. Investigation of the early effects of ACE-I on Glucose Tolerance During Treatment with HCTZ in Patients with Hypertension and Metabolic Syndrome. Center for Pharmacogenomics Seminar, October 2008.
19. Antidepressant medications in the cardiovascular patient. American College of Cardiology Annual Scientific Sessions, Pharmacology Program, Orlando, Florida, March 2009.
20. Programs for getting and keeping your patients on their medications. American College of Cardiology Annual Scientific Sessions, Orlando, Florida, March 2009.
21. Brown Bag Supplements: Where's the Evidence? Preventive Cardiovascular Nurses Association Annual Meeting, Dallas, Texas. April 2009.
22. Herbals and Other Alternative Therapies: Just What Is Your Patient Taking? Cardiovascular Grand Rounds, Gainesville, Fl. January 14, 2010.
23. Rethinking Lower BP Goals For Diabetics With Documented Coronary Artery Disease. American College of Cardiology, 2010 Scientific Sessions, Late Breaking Clinical Trials Presentation, Atlanta, Georgia, March 14, 2010.
24. Drug Induced Diabetes – Insights for the Care of Patients at Risk. Baptist Hospital cardiovascular Conference Series, Miami FL October 7, 2010.
25. Supplements and OTC's in the Cardiovascular Patient, Core Curriculum for the Cardiovascular Clinician, Heart House, Washington, DC, October 23, 2010.
26. New Drugs That Will Change Your Practice. American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, Heart House, Washington, DC, October 23, 2010.

27. Hypertension: How Low Should We Really Go in the Patient with Diabetes? American College of Cardiology, 2011, Scientific Sessions, New Orleans, LA.
28. Cardiovascular Implications of Dietary Supplements. American College of Cardiology, 2012, Scientific Sessions, Chicago, IL.
29. BP: How Low Should We Go and How Do We Get There? American College of Cardiology, 2012, Scientific Sessions, Chicago, IL.
30. CCA Team-Based Maintenance of Certification (Test Your Knowledge without a Test). American College of Cardiology, 2012, Scientific Sessions, Chicago, IL.
31. Use of Generic Medications in the Management of Resistant Hypertension. American College of Cardiology, 2012, Scientific Sessions, Chicago, IL.
32. Dietary Supplements: Use and Misuse. American College of Cardiology, 2012, Scientific Sessions, Chicago, IL.
33. Supplements and OTC's in the Cardiovascular Patient. 2012 Foundations for Practice Excellence: Core Curriculum for the Cardiovascular Clinician. October 2012, Orlando, FL.
34. New Drugs: Cardiovascular Pharmacology Update. 2012 Foundations for Practice Excellence: Core Curriculum for the Cardiovascular Clinician. October 2012, Orlando, FL.
35. Anticoagulation and Antiarrhythmics – An Update. 2012 Foundations for Practice Excellence: Core Curriculum for the Cardiovascular Clinician. October 2012, Orlando, FL.
36. Pharmacometabolomics and Pharmacogenomics in Understanding Drug-Induced Adverse Responses. Pharmacogenomics Research Network Fall 2012 Scientific Meeting, Seattle, WA.
37. Dietary Supplements: Use and Misuse. 36th Annual Cardiology Update, February 2013, El Paso, TX.
38. Depression and Cardiac Patient: What the Cardiac Care Team Should Know to Safely Prescribe Anti-Depressants. American College of Cardiology, 2013, Scientific Sessions, San Francisco, CA.
39. Depression and CAD: How to Manage the Sad Heart. American College of Cardiology, 2013, Scientific Sessions, San Francisco, CA.
40. Cardiac Care Associate Maintenance of Certification: Guideline Case Studies for the Cardiac Care Team. American College of Cardiology, 2013, Scientific Sessions, San Francisco, CA.
41. Generic Antihypertensive Drugs. The American Society of Hypertension 2013 Scientific Annual Meeting, San Francisco, CA.
42. Treating Resistant Hypertension with Generic Drugs. The American Society of Hypertension 2013 Scientific Annual Meeting, San Francisco, CA.
43. A Metabolomic Approach into Addressing the Question Whether Multiple Drug-Induced Adverse Metabolic Effects Share a Common Mechanism. American Heart Association 2013 Scientific Sessions, Dallas, TX.
44. Dietary Supplements: The Latest in Use and Abuse. Central Florida Society of Health Systems Pharmacists, November 11, 2013, Orlando, FL.
45. Personalized Medicine and the Role of the Pharmacist. 2014 Midwest Pharmacy Expo, Altoona, IA.
46. Cardiac Care Associate Maintenance of Certification: Guideline Case Studies for the Cardiac Care Team. American College of Cardiology, 2014, Scientific Sessions, Washington, DC
47. Drugs and Food – what do we really need to be concerned about? Cardiovascular Fellows Conference, University of Florida, Gainesville, FL August 2014
48. Clinical Research Concepts, IRB Rules, and Regulations. Master's in Public Health Orientation Program, University of Florida, Gainesville, FL August 2014

49. Hypertension – What’s New in the Guidelines? The Larry Lopez Cardiovascular Seminar: Redefining and Refining the Treatment Approaches to Cardiovascular Disease. Orlando, Florida, October, 2014
50. Dyslipidemia – What’s new in the Guidelines? The Larry Lopez Cardiovascular Seminar: Redefining and Refining the Treatment Approaches to Cardiovascular Disease. Orlando, Florida, October, 2014
51. Dietary Supplements and the CV Patient-Helpful or harmful? The Larry Lopez Cardiovascular Seminar: Redefining and Refining the Treatment Approaches to Cardiovascular Disease. Orlando, Florida, October, 2014
52. Nuts and Bolts of Cardiovascular Pharmacology. American College of Cardiology – Core Curriculum for the Cardiovascular Clinician. National Harbor, MD, October 2014
53. Case Presentation: Which Drug For My Patient? American College of Cardiology – Core Curriculum for the Cardiovascular Clinician. National Harbor, MD, October 2014
54. Dietary Supplements in the CV Patient – Helpful or Harmful? American College of Cardiology, March 2015 Scientific Sessions, San Diego, California.
55. Case Studies From the Guidelines for Clinicians. American College of Cardiology, March 2015 Scientific Sessions, San Diego, California.
56. What Do I Want to be When I Grow Up? Independent Investigator. American College of Cardiology, March 2015 Scientific Sessions, San Diego, California.
57. Underappreciated Management Issues in Hypertension: Supplements and Interacting Substances That Can Impact Management. American Society of Hypertension, May 2015 Scientific Sessions, New York, New York.
58. Supplements and OTC Drugs: Culprits to Consider When Evaluating Hypertension. American Society of Hypertension, May 2015 Scientific Sessions, New York, New York
59. Underappreciated Management Issues in Hypertension: Supplements and Interacting Substances That Can Impact Management. American Society of Hypertension, May 2015 Scientific Sessions. New York, New York. May 16, 2015.
60. Supplements and OTC Drugs: Culprits to Consider When Evaluating Hypertension. American Society of Hypertension, May 2015 Scientific Sessions. New York, New York. May 16, 2015.
61. Managing VTE: Matching Patient Need to Optimal Therapy. Preventive Care Nurses Association, 2015 Fall Lecture Series. Jacksonville, FL. Oct 24, 2015.
62. Contemporary Dietary Supplement Use: What is your Patient Taking and Why You Should Care?. New Cardiovascular Horizons. Orlando, FL. Jan 18, 2016.
63. Clinical Cases from the Guidelines for Clinicians. American College of Cardiology, April 2016 Scientific Sessions. Chicago, Illinois. Apr 3, 2016.
64. Over-the-Counter Medications and Supplements: What the Cardiovascular Nurse Needs to Know. Preventive Care Nurses Association, 2016 Annual Symposium. Orlando, FL. Apr 18, 2016.
65. Medication Adherence and the Role of Advanced Systems to Detect Adherence. American Society of Hypertension, May Scientific Sessions. New York, New York. May 14, 2016.
66. *Keynote*. Precision Medicine: Where are we and Where are we Going?. American Society of Hypertension, Scientific Sessions. New York, New York. May 14, 2016.
67. Use of Pharmacometabolomics to Predict Statin Response – Are We Ready for Prime Time? National Lipid Association. Amelia Island, Florida, August 27, 2016.
68. An Evidence-based Approach to Dietary and Vitamin Supplements in Atherosclerotic Heart Disease. American College of Cardiology, Core Curriculum for the Cardiovascular Clinician. Washington, DC. Sept 14, 2016.
69. Practical Approach to Complex Pharmacological Needs: Polypharmacy, Drug/Drug Interactions – Case Based. American College of Cardiology, Core Curriculum for the Cardiovascular Clinician. Washington, DC. Sept 14, 2016.

70. A Pharmacist's Guide to PCSK9 Inhibitors: From Patient Selection to Pharmacoeconomics. Medscape Pharmacy and Nursing Continuing Education. Chicago, Illinois. Nov 12, 2016.
71. Dietary Supplements: What's Hot, What's Not? New Cardiovascular Horizons, Evolving Paradigms in Cardiovascular Care and Limb Preservation Symposium. Orlando, FL. March 4, 2017.
72. Top 10 Cardiac Medication Blunders. American College of Cardiology, Scientific Sessions. Washington, DC. March 18, 2017.
73. To Anticoagulate or not to Anticoagulate: Balancing Benefits-risks in Complicated Patients: Case-based Learning with ARS. American College of Cardiology, Scientific Sessions. Washington, DC. March 19, 2017.
74. Dietary Supplements – Does the Evidence Match the Hype? Conemaugh 10th Annual Cardiovascular Symposium, Farmington, PA. May 6, 2017.
75. Understanding Medication Adherence: What Works. American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, Heart House, Washington, DC, October 4, 2017.
76. Dietary Supplements: What's Hot and What's Not. American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, Heart House, Washington, DC, October 6, 2017.