

Lauren B. Cooper, MD, MHS

Training

Medical School (2004-2008): SUNY Downstate College of Medicine, Brooklyn, NY

Internal Medicine Residency (2008-2011): University of Texas Southwestern Medical Center, Dallas, TX

Advanced Heart Failure Fellowship (2011-2012): University of Texas Southwestern Medical Center, Dallas, TX

Clinical Cardiology Fellowship (2012-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2014-present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

- NIH T-32 Training Grant (2014-2016): Received salary support from the Division of Cardiology Institutional Training Award

Quantitative Training

- Clinical Research Training Program, Masters of Health Sciences in Clinical Research, May 2016: Duke University School of Medicine, Durham, NC

Manuscripts and Book Chapters Published

- Cooper LB, Bellam N, Vaduganathan M, for the JACC: Heart Failure Fellows. Educating the Next Generation of Peer-Reviewers. *J Am Coll Cardiol*, May 2016, 67(17):2079-2082.
- Cooper LB, Lu D, Mentz RJ, Rogers JG, Milano CA, Felker GM, Hernandez AF, Patel CB. Cardiac Transplantation for Older Patients: Characteristics and Outcomes in the Septuagenarian Population. *J Heart Lung Transplant* March 2016; 35 (3):362-369.
- Cooper LB, Stevens SR, Mentz RJ, Patel CB, Felker GM, Lombardi C, Metra M, Stevenson LW, O'Connor CM, Milano CA, Rogers JG. Hemodynamic Predictors of Heart Failure Morbidity and Mortality: Fluid or Flow? *J Card Fail* March 2016; 22(3):182-189.
- Cooper LB, Hammill BG, Sharma PP, DeVore AD, Mentz RJ, Fonarow GC, Pang PS, Curtis LH, Hernandez AF. Differences in Health Care Utilization and Outcomes Based on Timing of In-Hospital Worsening Heart Failure. *Am Heart J* December 2015; 170 (6):1124-1132.
- Cooper LB, Sun JL, Mentz RJ, Fleg JL, Cooper LS, Pina IL, Leifer E, Kraus WE, Whellan D, Keteyian S, O'Connor CM. Psychosocial Factors and Exercise Adherence in Heart Failure Patients: Insights from HF-ACTION. *Circ Heart Fail* November 2015;8:1044-1051.
- Cooper LB, Hammill BG, Peterson ED, Pitt B, Maciejewski ML, Curtis LH, Hernandez AF. Consistency of Laboratory Monitoring during Initiation of Mineralocorticoid Receptor Antagonists in Heart Failure. *JAMA* November 2015; 314(18):1973-5.
- Cooper LB, DeVore AD, Felker GM. The Impact of Worsening Heart Failure in the United States. *Heart Fail Clin* October 2015; 11(4):603-614.
- Cooper LB, Doll JA, Kelly JP, McGarrah RW, Randolph TC, Sivak JA, Vora AN, Zeitler EP. A Company of Equals: Success Through Friendship in Fellowship. *J Am Coll Cardiol* 2015; 66(5): 589-591.

Manuscripts and Book Chapters Accepted for Publication

- Cooper LB, Mentz RJ, Gallup D, Lala A, DeVore AD, Vader JM, AbouEzzedine OF, Bart BA, Anstrom KJ, Hernandez AF, Felker GM. Serum Bicarbonate in Acute Heart Failure: Relationship to Treatment Strategies and Clinical Outcomes. *J Card Fail*. In press.
- Krishnamurthy Y, Cooper LB, Lu D, Schroder JN, Daneshmand MA, Rogers JG, Milano CA, Hernandez AF, Patel CB. Trends and Outcomes of Patients with Adult Congenital Heart Disease with Pulmonary Hypertension Listed for Orthotopic Heart Transplantation in the United States. *J Heart Lung Transplant*. In press.
- Grodin JL, Lala A, Stevens SR, DeVore AD, Cooper LB, AbouEzzedine OF, Mentz RJ, Groarke JD, Joyce E, Rosenthal JL, Vader JM, Tang WH. Clinical Implications of Serum Albumin Levels in Acute Heart Failure: Insights from DOSE-AHF and ROSE-AHF. *J Card Fail*. In press.
- Khazanie P, Hammill BG, Patel CB, Kiernan MS, Cooper LB, Arnold SV, Fendler TJ, Spertus JA, Curtis LH, Hernandez AF. Use of Heart Failure Medical Therapies among Patients with Left Ventricular Assist Devices: Insights from INTERMACS. *J Card Fail*. In press.
- DeVore AD, Greiner MA, Sharma PP, Qualls LG, Schulte PJ, Cooper LB, Mentz RJ, Pang PS, Fonarow GC, Curtis LH, Hernandez AF. The ADHERE Risk Model for In-hospital Worsening Heart Failure. *Am Heart J*. In press.

Abstracts Presented

- Cooper LB, Mentz RJ, Edwards LB, Rogers JG, Patel CB, Milano CA, Hernandez AF, Stehlik J, Lund LH. Implications of Amiodarone Use Before Heart Transplantation. International Society of Heart and Lung Transplantation Annual Meeting, April 2016, Washington, DC.
- Cooper LB, Milano CA, Williams M, Swafford W, Croezen D, Van Bakel AB, Rogers JG, Patel CB. Thyroid Hormone Use During Cardiac Transplant Organ Procurement. International Society of Heart and Lung Transplantation Annual Meeting, April 2016, Washington, DC.
 - Cooper LB, Hammill BG, Sharma PP, DeVore AD, Mentz RJ, Fonarow GC, Pang PS, Curtis LH, Hernandez AF. Differences in Health Care Utilization and Outcomes Based on Timing of In-Hospital Worsening Heart Failure. American Heart Association Quality of Care and Outcomes Research Conference, November 2015, Orlando, FL.
 - Cooper LB, Hammill BG, Peterson ED, Pitt B, Maciejewski ML, Curtis LH, Hernandez AF. Consistency of Laboratory Monitoring during Initiation of Mineralocorticoid Receptor Antagonists in Heart Failure. American Heart Association Quality of Care and Outcomes Research Conference, November 2015, Orlando, FL.
 - Cooper LB, Lu D, Mentz RJ, Rogers JG, Milano CA, Felker GM, Schroder JN, Hernandez AF, Patel CB. Cardiac Transplantation for Older Patients: Characteristics and Outcomes in the Septuagenarian Population. Heart Failure Society of America Annual Scientific Meeting, September 2015, Washington, DC.

Christopher Fordyce, MD, MHS, MSc

Training

Medical School (2004–2008): McGill University Faculty of Medicine, Montreal, QC

Residency in Internal Medicine (2008–2011): University of British Columbia, Vancouver, BC

Cardiology Fellowship (2011–2014): University of British Columbia, Vancouver, BC

Clinical Research Fellowship (2014–2016): Duke Clinical Research Institute, Durham, NC

Cardiac Critical Care (2016): Duke University Medical Center

Awards/Grants

University of British Columbia Clinician Investigator Program In-Training Grant (2014–2016)

Royal College of Physicians and Surgeons of Canada K.J.R. Wrightman Award for Scholarship in Ethics (2015)

Quantitative Training

Master of Health Sciences in Clinical Research, Clinical Research Training Program, Duke University, Durham, NC

Program in Clinical Effectiveness (2013): Harvard School of Public Health, Boston, MA

Manuscripts Published

1. Whitlock RP, Fordyce CB, Midei MG, Ellis D, Garcia D, Weitz J, Bavisotto L, Canafax DM, Albrecht D, Milner PG. A randomized, double blind comparison of tecarfarin, a novel vitamin K antagonist, with warfarin in patients receiving chronic anticoagulation: The EmbraceAC Trial. *Thrombosis and Haemostasis*. 2016 May 12;116(2).
2. Fordyce CB, Wang TY, Chen AY, Thomas L, Granger CB, Scirica BM, Henry TD, Wong GC, Ramanathan K, Peterson ED, Anderson ML. Long-term post-discharge risks in older survivors of myocardial infarction with and without out-of-hospital cardiac arrest. *Journal of the American College of Cardiology*. 2016 May 3;67(17):1981-90.
3. Sharma A, Parikh KS, Fordyce CB. Active engagement: A fellow's guide to academic conferences. *Journal of the American College of Cardiology*. 2016 May 17;67(19):2306-9.
4. Fordyce CB, Newby DN, Douglas PS. Diagnostic strategies for the evaluation of chest pain: clinical and practical implications from SCOT-HEART and PROMISE. *Journal of the American College of Cardiology*. 2016 Feb 23;67(7):843-52.
5. Fordyce CB and Douglas PS. Optimal test selection for the diagnosis of coronary artery disease in patients with stable chest pain. *Heart* 2016 Apr 1;102(7):555-64.
6. van Diepen S, Lin M, Bakal JA, McAlister FA, Kaul P, Katz JN, Fordyce CB, Southern DA, Graham MM, Wilton SB, Fabreau GE, Newby LK, Granger CB, Ezekowitz JA. Do stable non-ST Segment elevation acute coronary syndromes require admission to coronary intensive care units? *American Heart Journal*. 2016. doi: 10.1016/j.ahj.2015.11.020.
7. Fordyce CB, Cairns JA, Singer J, Lee T, Park JE, Vandegriend RA, Perry M, Largy W, Gao M, Ramanathan K, Wong GC. Evolution and impact of a reperfusion system for ST-elevation myocardial infarction. *Canadian Journal of Cardiology*. 2015. doi: 10.1016/j.cjca.2015.11.026.

8. Hansen CM, Kragholm K, Pearson DA, Tyson C, Monk L, Corbett C, Nelson RD, Dupre ME, Fosbøl EL, Granger CB, Strauss B, Fordyce CB, McNally B, and Jollis JG. The role of bystanders, first responders and emergency medical service providers in timely defibrillation and related outcomes after out-of-hospital cardiac arrest: results from a statewide quality improvement database. *Resuscitation* 2015 Sep 16;96:303-309.
9. Fordyce CB and Granger CB. ACP Journal Club. Adding ezetimibe to simvastatin improved cardiovascular outcomes in stable acute coronary syndrome. *Annals of Internal Medicine*. 2015 Sep 15;163(6):JC7.

Manuscripts and Book Chapters Accepted for Publication

Manuscripts

1. Fordyce CB, Hellkamp AS, Lokhnygina Y, Lindner SM, Piccini JP, Becker RC, Berkowitz SD, Breithardt G, Fox KA, Mahaffey KW, Nessel CC, Singer DE, Patel MR. 2015. On-treatment outcomes in patients with worsening renal function with rivaroxaban compared to warfarin: insights from ROCKET AF. *Circulation*. 2016 (in press).
2. Jollis JG, Al-Khalidi HR, Roettig ML, Berger PB, Corbett CC, Dauerman HL, Fordyce CB, Fox K, Garvey JL, Gregory T, Henry TD, Rokos IC, Sherwood MW, Suter RE, Wilson BH, Granger CB. Regional systems of care demonstration project: Mission: Lifeline™ STEMI Systems Accelerator. *Circulation* 2016 (accepted, with revisions).
3. McKinney J, Fordyce CB, Pitcher I, Masoud Y, Yeo TJ, Ignaszewski A, Isserow S, Chan S, Ramanathan K, Taylor CM. Prevalence and associated clinical characteristics of exercise-induced ST-segment elevation in lead aVR. *PLOS ONE*. 2016 (accepted, with revisions).

Book Chapters

1. Fordyce CB and Douglas PS. 2016. Putting It All Together: Which Test for Which Patient? *Chronic Coronary Artery Disease: A Companion to Braunwald's Heart Disease*. Editors: DeLemos JA and Omland T (in press).
2. Fordyce CB, Henry TD and Granger CB. 2016. STEMI Systems of Care: Successes and Challenges. *Interventional Cardiology Clinics: Controversies in the Management of STEMI*. Editor: Henry TD (in press).

Abstracts Presented

1. Midei M, Whitlock RP, Fordyce CB, Milner PG. 2016. Experience with tecarfarin, a novel vitamin K antagonist: Use with reversing agents and in mechanical heart valve recipients. *European Society of Cardiology Scientific Sessions*. Rome, Italy.
2. Fordyce CB, Hansen CM, Kragholm K, Jollis JG, Roettig ML, Dupre ME, Becker LB, Corbett CC, Monk L, Nelson RD, Pearson DA, Tyson C, Van Diepen S, Anderson ML, McNally B, Granger CB. 2016. Statewide initiatives improve the care and outcomes of patients with out-of-hospital cardiac arrest at home and in public locations: results from the HeartRescue project. *American College of Cardiology Scientific Sessions*. Chicago, IL.
3. Fordyce CB, Douglas PS, Roberts RS, Patel MR, Hoffmann U, Kostis J, Mark D, Lee KL, Udell JE. 2016. Identifying stable chest pain patients with suspected coronary disease in whom noninvasive testing may be safely deferred: Insights from the PROMISE trial (PROspective Multicenter Imaging Study for Evaluation of Chest Pain). 2016. *American College of Cardiology Scientific Sessions*. Chicago, IL.
4. Fordyce CB and Granger CB. 2016. How do I manage a patient with non valvular atrial fibrillation, treated with rivaroxaban who presents with an Anterior STEMI? In: *Meet the Experts: Dilemmas in the Treatment of Patients With ST Elevation Infarction* (with Gersh BJ, Menon V, Henry TD, McGuire DK and Mehran R). 2016. *American College of Cardiology Scientific Sessions*. Chicago, IL.

5. Kontos MC, Fordyce CB, Enriquez, J, Roe MT, Chiswell K, Chen AY, Garvey L. 2016. Association of acute myocardial infarction cardiac arrest patient volume and in-hospital mortality. American College of Cardiology Scientific Sessions. Chicago, IL.
6. Hinohara TT, Fordyce CB, Sherwood MW, Gu J, Al-Khalidi HR, Jollis JG, Roettig ML, Granger CB. 2016. Impact of regional systems of care on disparities of care in women and blacks presenting with ST-segment elevation myocardial infarction. American College of Cardiology Scientific Sessions. Chicago, IL.
7. Fanaroff, AC, Peterson E, Chen A, Thomas L, Doll J, Fordyce CB, Newby LK, Mikhail Kosiborod M, Amsterdam E, de Lemos J, Wang, T. 2016. Intensive Care Unit Utilization Among Medicare Patients With Non-ST-Segment Elevation Myocardial Infarction. American College of Cardiology Scientific Sessions. Chicago, IL.
8. Fordyce CB, Wang TY, Chen AY, Thomas L, Granger CB, Scirica BM, Henry TD, Wong GC, Ramanathan K, Peterson ED, Anderson ML. 2015. Long-term outcomes and health care utilization in elderly survivors of myocardial infarction with and without out-of-hospital cardiac arrest. American Heart Association Scientific Sessions. Orlando, FL.
9. Fordyce CB, Hellkamp AS, Lokhnygina Y, Lindner SM, Piccini JP, Becker RC, Berkowitz SD, Breithardt G, Fox KA, Mahaffey KW, Nessel CC, Singer DE, Patel MR. 2015. On-treatment outcomes in patients with worsening renal function with rivaroxaban compared to warfarin: insights from ROCKET AF. American Heart Association Scientific Sessions. Orlando, FL.
10. Fordyce CB, Al-Khalidi HR, Jollis JG, Roettig ML, Bagai A, Berger PB, Corbett CC, Dauerman HL, Fox K, Garvey JL, Gu J, Henry TD, Rokos IC, Sherwood MW, Wilson BH, Granger CB. 2015. Specific care process implementation associated with improved reperfusion times across multiple STEMI networks: Insights from the AHA Mission: Lifeline STEMI Accelerator Program. 2015. American Heart Association Scientific Sessions. Orlando, FL.
11. Hoffmann U, Ferencik M, Udelson J, Picard M, Heitner J, Patel M, Huang M, Pencina M, Mark D, Fordyce CB, Tardif JC, Budoff M, Nahhas G, Chow B, Kosciński A, Lee KL, Douglas PS. 2015. Prognostic Value of Anatomic Versus Functional Diagnostic Testing in Symptomatic Patients with Suspected CAD: The PROMISE Trial (PROspective Multicenter Imaging Study for Evaluation of chest pain). American Heart Association Scientific Sessions. Orlando, FL.
12. Hansen CM, Kragholm K, Pearson DA, Tyson C, Dupre ME, Jollis JG, Strauss B, Anderson ML, Fordyce CB, McNally B, VandenHoek T, Granger CB. Improved rates of bystander CPR and survival consistent across socioeconomic spectrum: results from the North Carolina HeartRescue project. American Heart Association Scientific Sessions. Orlando, FL.
13. Kragholm K, Hansen CM, Dupre ME, Xian Y, Strauss B, Tyson C, Monk L, Corbett C, Fordyce CB, Pearson DA, Fosbol EL, Jollis JG, Abella B, McNally B, Granger CB. 2015. Direct transport to a PCI center following out-of-hospital cardiac arrest is associated with improved survival in North Carolina. American Heart Association Scientific Sessions. Orlando, FL.
14. van Diepen S, Lin M, Bakal JA, McAlister FA, Kaul P, Katz JN, Fordyce CB, Southern DA, Graham MM, Wilton SB, Fabreau GE, Newby LK, Granger CB, Ezekowitz JA. 2015. Do patients with uncomplicated Non-ST segment acute coronary syndromes require admission to critical care units? American Heart Association Scientific Sessions. Orlando, FL.
15. Shah R, Jones WS, Kohl L, Hoffmann U, Douglas PS, Yow E, Lee KL, Fordyce CB, Mark DB, Lowe A, Kosinski AS, Patel MR. 2015. Comparison of visual assessment of coronary stenosis with independent quantitative coronary angiography: Findings from the PROMISE Trial (PROspective Multicenter Imaging Study for Evaluation of chest pain). Transcatheter Cardiovascular Therapeutics. San Francisco, CA.
16. Lindner SM, Fordyce CB, Hellkamp AS, Lokhnygina Y, Piccini JP, Breithardt G, Mahaffey KW, Singer DE, Becker RC, Patel MR. 2015. Treatment consistency across levels of baseline renal function with rivaroxaban compared to warfarin: insights from ROCKET AF. European Society of Cardiology Scientific Sessions. London, United Kingdom.

Patricia Oliveira Guimaraes

Training

Medical School (2004–2009): Bahiana School of Medicine and Public Health, Salvador, Brazil

Residency in Medicine (2010–2012): University of Sao Paulo—USP, Ribeirao Preto, Brazil

Cardiology Fellowship: (2012–2014): University of São Paulo—USP, Sao Paulo, Brazil

Clinical Research Fellowship (2014–2016): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Scholarship from the CNPq — National Board for Development of Science and Technology, of the Ministry for Science and Technology of Brazil (2015–2016)

Quantitative Training

PhD Candidate: University of Sao Paulo, Sao Paulo, Brazil

Publications:

1. GUIMARÃES, P. O.; SUN, J.-L.; KRAGHOLM, K.; SHAH, S. H.; PIEPER, K. S.; KRAUS, W. E.; HAUSER, E. R.; GRANGER, C. B.; NEWBY, L. K. Association of Standard Clinical and Laboratory Variables with Red Blood Cell Distribution Width (RDW). *The American Heart Journal*, Apr;174:22-8, 2016.
2. ZIMERMAN, A.; LOPES, R. D.; STEBBINS, A. L.; GUIMARÃES, P. O.; HAQUE, G.; MELLONI, C.; TROLLINGER, K.; JAMES, S. K.; ALEXANDER, J. H.; TRICOCI, P.; ROE, M. T.; OHMAN, E. M.; MAHAFFEY, K. W.; HELD, C.; TINGA, B.; PIEPER, K. S.; ALEXANDER, K. P. Pooled Analysis of Adverse Event Collection from Four Acute Coronary Syndrome Trials. *The American Heart Journal*, Apr;174:60-7, 2016.
3. GUIMARÃES, P.O.; KAATZ, S.; LOPES, RD. Practical and clinical considerations in assessing patients with atrial fibrillation for switching to non-vitamin K antagonist oral anticoagulants in primary care. *International Journal of General Medicine*, v. 8, p. 283, 2015.
4. GUIMARÃES, P. O.; TRICOCI, P. Ticagrelor, prasugrel, or clopidogrel in ST-segment elevation myocardial infarction: which one to choose? *Expert Opinion on Pharmacotherapy*, v. 16, p. 1983, 2015.

Abstracts:

1. ZIMERMAN, A.; LOPES, R.; STEBBINS, A. L.; GUIMARÃES, P. O.; HAQUE, G.; MELLONI, C.; TROLLINGER, K.; JAMES, S. K.; ALEXANDER, J. H.; TRICOCI, P.; ROE, M. T.; OHMAN, E. M.; MAHAFFEY, K. W.; HELD, C.; TINGA, B.; PIEPER, K. S.; ALEXANDER, KAREN P. Pooled Analysis of Adverse Event Collection from Four Acute Coronary Syndrome Trials. *American Heart Association Conference*. 2015. Orlando, United States.
2. GUIMARÃES, P. O.; ALEXANDER, J. H.; WOJDYLA D.; THOMAS, L.; ALINGS, M.; FLAKER, G.; AL-KHATIB, S. M.; HANNA, M.; WALLENTIN, L.; GRANGER, C. B.; LOPES, R. D. Anticoagulation Therapy and Clinical Outcomes in Patients with Recent Onset Atrial Fibrillation: Insights from the ARISTOTLE trial. *Moderated poster at American College of Cardiology Conference*, Chicago, 2016.
3. GUIMARÃES, P.O.; LEONARDI, S.; HUANG, Z.; WALLENTIN, L.; VAN DE WERF, F.; AYLWARD, P.; HELD, C.; HARRINGTON, R.; MOLITERNO, D. J.; ARMSTRONG, P. W.; WHITE, H. D.; MAHAFFEY, K. W.; TRICOCI, P. Clinical Features and Outcomes of Patients with Type 2 Myocardial Infarction: Insights from the TRACER trial. *Moderated poster at American College of Cardiology Conference*, Chicago, 2016.

Jacob P. Kelly, MD

Training

2015 - 2016	Duke Clinical Research Institute Certificate Business of Healthcare Academy
2014 – present	Duke University School of Medicine M.H.S., Clinical Research (anticipated December 2016)
2004 – 2008	University of Colorado School of Medicine Doctor of Medicine
1998 – 2002	Texas Tech University B.S. Evolutionary Biology & Ecology Magna Cum Laude with High Honors

Awards/Grants

- SD-STAR: Linking Physical Activity and Outcomes in Heart Failure in the MERLIN dataset
- Duke Institute for Health Innovation: Integrating Remote Wireless Technology to Reduce CHF and COPD Readmissions
- BD-STAR: Physical Activity Leading Up to Hospitalization for Heart Failure: Insights from LATITUDE
- DCRI Executive Director Pathway Fund: Linking Physical Activity in Heart Failure Patients Captured through Wearable Wireless Technology to 6-Minute Walk Distance: A Pilot Study of Biometric Data in Duke's Same Day Access Clinic
- CERTs: Newly Eligible Patients for Cardiac Rehabilitation and Cardiovascular Outcomes: Findings from the Get With the Guidelines – Heart Failure Registry

Quantitative Training

- CRTP August 2014 – May 2016, MHS anticipate December 2016
- DCRI: Certificate Business Healthcare Academy September 2015 – May 2016

Manuscripts and Book Chapters Published

1. Kelly, JP; Daubert, JP. Prolonged QRS in Heart Failure with Preserved Ejection Fraction: Risk Marker and Therapeutic Target? *JACC Heart Fail* 2016;4(6):487-9.
2. Mentz RJ, Roessig L, Greenberg BH, Sato N, Shinagawa K, Yeo D, Kwok BW, Reyes EB, Krum H, Pieske B, Greene SJ, Ambrosy AP, Kelly JP, Zannad F, Pitt B, Lam CS. Heart Failure Clinical Trials in East and Southeast Asia: Understanding the Importance and Defining the Next Steps. *JACC Heart Fail*. 2016 Jun;4(6):419-27.
3. Hunter WG, Kelly JP, McGarrah RW 3rd, Kraus WE, Shah SH. Metabolic Dysfunction in Heart Failure: Diagnostic, Prognostic, and Pathophysiologic Insights From Metabolomic Profiling. *Curr Heart Fail Rep*. 2016 Jun;13(3):119-31.
4. DeVore AD, Schulte PJ, Mentz RJ, Hardy NC, Kelly JP, Velazquez EJ, Maya JF, Kielhorn A, Patel HK, Reed SD, Hernandez AF. Relation of Elevated Heart Rate in Patients With Heart Failure With Reduced Ejection Fraction to One-Year Outcomes and Costs. *Am J Cardiol*. 2016 Mar 15;117(6):946-51.
5. Ahmad T, Kelly JP, McGarrah RW, Hellkamp AS, Fiuzat M, Testani JM, Wang TS, Verma A, Samsky MD, Donahue MP, Ilkayeva OR, Bowles DE, Patel CB, Milano CA, Rogers JG, Felker GM, O'Connor CM, Shah SH, Kraus WE. Prognostic

Implications of Long-Chain Acylcarnitines in Heart Failure and Reversibility With Mechanical Circulatory Support. *J Am Coll Cardiol*. 2016 Jan 26;67(3):291-9.

6. Eapen ZJ, Kelly JP. Back to the Future With Intravenous Diuretics: Reinvigorating an Old Treatment Through New Care Settings. *JACC Heart Fail*. 2016 Jan;4(1):9-11.

7. Kelly JP, Mentz RJ, Hasselblad V, Ezekowitz JA, Armstrong PW, Zannad F, Felker GM, Califf RM, O'Connor CM, Hernandez AF. Worsening heart failure during hospitalization for acute heart failure: Insights from the Acute Study of Clinical Effectiveness of Nesiritide in Decompensated Heart Failure (ASCEND-HF). *Am Heart J*. 2015 Aug;170(2):298-305.

8. Cooper LB, Doll JA, Kelly JP, McGarrah RW, Randolph TC, Sivak JA, Vora AN, Zeitler EP. A Company of Equals: Success Through Friendship in Fellowship. *J Am Coll Cardiol*. 2015 Aug 4;66(5):589-91.

Manuscripts and Book Chapters Accepted for Publication

1. Kelly, JP; Dunning, A; Schulte, PJ; Fiuzat, M; Leifer, ES; Fleg, JL; Cooper, LS; Keteyian, SJ; Kitzman, DW; Pina, IL; Kraus, WE; Whellan, DJ; O'Connor, CM; Mentz, RJ. Statins and Exercise Training Response in Heart Failure Patients: Insights from HF-ACTION. *JACC Heart Fail* 2016. In Press.

2. Kelly, JP; Hammill, BG; Doll, JA; Felker, GM; Heidenreich, PA; Bhatt, DL; Yancy, C; Fonarow, GC; Hernandez, AF. The Potential Impact of Expanding Cardiac Rehabilitation in Heart Failure: Insights from Get With The Guidelines Heart Failure. *J Am Coll Cardiol* 2016. In press.

3. Hunter WG, Kelly JP, McGarrah RW, Khouri MG, Craig D, Haynes C, Ilkayeva O, Stevens RD, Bain JR, Muehlbauer MJ, Newgard CB, Felker GM, Hernandez AF, Velazquez EJ, Kraus WE, Shah SH. Metabolomic Profiling Identifies Novel Circulating Biomarkers of Mitochondrial Dysfunction Differentially Elevated in Heart Failure with Preserved versus Reduced Ejection Fraction: Evidence for Shared Metabolic Impairments in Clinical Heart Failure. *Journal of the American Heart Association (JAHA)*. 2016. In press.

Abstracts Presented

Wysham, N. Kelly, JP. Bugs in the Digital Health Revolution: Promise and Limitations of an mHealth Strategy to Prevent Readmission. 4th Annual Duke mHealth Conference April 20, 2016 Durham, NC.

Kelly, JP; Hammill, BG; Doll, JA; Felker, GM; Heidenreich, PA; Yancy, CW; Bhatt, DL; Fonarow, GC; Hernandez, AF. The Potential Impact of Expanding Cardiac Rehabilitation Coverage in Heart Failure: Insights from Get With the Guidelines Heart Failure. Oral Presentation, American Heart Association Scientific Sessions, November 10, 2015.

Kelly, JP; Mentz, RM; Cooper, LC; Gallup, D; Anstrom, KJ; Chen, HH; Redfield, MM; O'Connor, CM; Hernandez, AF; Felker, GM. Regulatory Implications of Different Definitions and Outcomes in Worsening Heart Failure. Poster Presentation, American Heart Association Scientific Sessions, November 9, 2015.

Kelly, JP; Hunter, WG; McGarrah, RW; Craig, D; Haynes, C; Velazquez, EJ; Felker, GM; Hernandez, AF; Muehlbauer, MJ; Ilkayeva, O; Stevens, RD; Newgard, CB; Kraus, WE; Shah, SH. Novel Protein Glycan Biomarkers are Associated with Heart Failure with Preserved and Reduced Ejection Fraction and Predict Adverse Events. Poster Presentation, Heart Failure Society of America, September 27, 2015.

Devore, AD; Schulte, PJ; Mentz, RJ; Hardy, C; Kelly, JP; Velazquez, EJ; Maya, JF; Kielhorn, A; Patel, HK; Reed, SD; Hernandez, AF. Elevated Heart Rate in Patients with Heart Failure with Reduced Ejection Fraction: Associations with One-Year Outcomes and Costs. Poster Presentation, Heart Failure Society of America, September 27, 2015.

Robert E. Olivo, M.D.

Training

Medical School (2007-2011): SUNY Stony Brook School of Medicine, Stony Brook, NY

Internal Medicine Residency (2011-2014): Vanderbilt University, Nashville, TN

Clinical Fellowship in Nephrology (2014-Present): Duke University, Durham, NC

Clinical Research Fellowship (2015-Present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

NIH T32 Institutional Training Grant (2015-2017): Duke University, Division of Nephrology

American Society of Nephrology Kidney Week Travel Grant Recipient (2015)

Duke Nephrology, Chief Fellow (2015-2016)

Mid-Atlantic Nephrology Young Investigators Forum (2016): First Place

National Nephrology Young Investigators Forum (2016): Finalist

National Kidney Foundation Spring Clinical Meetings (2016): Top Poster Presentation Award

Quantitative Training

Clinical Research Training Program - MHS Candidate (2015-2017): Duke University, Durham, NC

Manuscripts and Book Chapters Published

Olivo RE, Hensley RL, Lewis JB, Saha S. Opioid Use in Hemodialysis Patients. *Am J Kidney Dis.* 2015; 66(6): 1103-1105.

Abstracts Presented

Olivo RE, Davenport CA, Diamantidis C, Bhavsar N, Tyson C, Hall R, Bidulescu A, Young B, Fox ER, Pendergast J, Boulware LE, Scialla JJ. Visceral Adiposity, Nutrition, and the Risk of Chronic Kidney Disease in African Americans: The Jackson Heart Study. Oral Presentation at the National Nephrology Young Investigators Forum, April 2016, Boston, MA.

Olivo RE, Davenport CA, Diamantidis C, Bhavsar N, Tyson C, Hall R, Bidulescu A, Young B, Fox ER, Pendergast J, Boulware LE, Scialla JJ. Visceral Adiposity, Nutrition, and the Risk of Chronic Kidney Disease in African Americans: The Jackson Heart Study. Poster Presentation at the National Kidney Foundation Spring Clinical Meetings, April 2016, Boston, MA.

Olivo RE, Goebel M, Choe J, Howell D, Butterly D, Roberts J. C3 Glomerulonephritis with Monoclonal Gammopathy of Undetermined Significance. Poster Presentation at the National Kidney Foundation Spring Clinical Meetings, April 2016, Boston, MA.

Olivo RE, Davenport CA, Diamantidis C, Bhavsar N, Tyson C, Hall R, Bidulescu A, Young B, Fox ER, Pendergast J, Boulware LE, Scialla JJ. Visceral Adiposity, Nutrition, and the Risk of Chronic Kidney Disease in African Americans: The Jackson Heart Study. Oral Presentation at the Mid-Atlantic Nephrology Young Investigators Forum, March 2016, Baltimore, MD.

Abhinav Sharma MD, FRCPC

Education

Medical School (2006-2009) M.G. DeGroot School of Medicine, McMaster University

Internal Medicine Fellowship (2009-2012) McMaster University, Hamilton, Canada

Cardiology Fellowship (2012-2015) University of Alberta, Edmonton, Canada

PhD Candidate (2013-2017) University of Alberta, Edmonton, Canada

Duke Clinical Research Institute Research Fellow (2015-2017) Duke University, Durham, USA.

Awards/Grants

American Heart Association Young Investigator Research Seed Grant (2016)

European Society of Cardiology Young Investigator Research Award (2016)

Duke Clinical Research Institute Executive Director Pathway Committee Funding (2016)

Cardiovascular Clinical Trialist (CVCT) Young Investigator Travel Award (2015)

Alberta Innovates Health Services Clinician Fellowship Research Grant (2015-2017)

Heart Failure Society of America Resident Research Young Investigator Research Grant (2015)

Publications

Sharma, A., Felker G.M. Brain Natriuretic Peptide Treatment and Heart Failure Prevention. JACC-Heart Failure doi: 10.1016/j.jchf.2016.02.01 [in press]

Sharma, A., Parikh K.S., Fordyce C.B. Active Engagement: A Fellow's Guide to Academic Conferences. J Am Coll Cardiol. 2016;67(19):2306-2309. doi:10.1016/j.jacc.2016.03.503

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Sharma, A., Khan J., Stanifer J.W., Seth P. The Importance of Global Health Experiences During Clinical Training. J Am Coll Cardiol. 2016;67(21):2558-2558. doi:10.1016/j.jacc.2016.02.076

Sharma, A., Fonarow, G.C., Butler, J., Ezekowitz, J.A., Felker G.M. Coenzyme Q10 and Heart Failure: A State-of-the-Art Review. Circulation Heart Failure. 2016;9(4):e002639. doi:10.1161/CIRCHEARTFAILURE.115.002639.

Presentations

Sharma A, Harumi Higuchi dos Santos, M, Sun JL, Pieper K, Haffner SM, Holman RR, Lopes RD. International Variation In Outcomes Among People with Cardiovascular Disease or Cardiovascular Risk Factors and Impaired Glucose Tolerance: Insights from the NAVIGATOR trial. American College of Cardiology. April 2016. Chicago, IL

Sharma A, de Souza Brito F, Sun JL, Thomas L, Haffner SM, Holman RR, Lopes RD. Non-Cardiovascular Deaths are More Common than Cardiovascular Deaths in People with Cardiovascular Disease or Cardiovascular Risk Factors and Impaired

Glucose Tolerance: Insights from the NAVIGATOR trial. Cardiovascular Clinical Trialist Forum. November 2015. Washington, DC, USA.