

Annual Report of the Academic Output of DCRI Clinical Research Fellows

Academic Year: July 2021 – June 2022

Training:

Medical School (2011-2015): University of Connecticut School of Medicine, Farmington, CT

Internal Medicine Residency (2015-2018): Beth Israel Deaconess Medical Center, Boston, MA

Cardiovascular Disease Fellowship (2018-2022): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants:

NIH T32 Training Grant (2020-2022): Received salary support from the Division of Cardiology Institutional Training Award

DCRI Robert A. Harrington Excellence in Fellowship Award, May 2022

Quantitative Training:

Clinical Research Training Program, Masters of Health Sciences in Clinical Research, Duke University School of Medicine, Durham, NC (2020-present)

Duke Clinical Research Institute Co-Chief Research Fellow (2021-2022)

ANDREW VEKSTEIN – CO-CHIEF FELLOW

Training

Medical School (2013-2017): Case Western Reserve University School of Medicine, Cleveland, OH

Integrated Cardiothoracic Surgery Residency (2017-expected graduation 2025): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Duke Clinical Research Institute Co-Chief Research Fellow (2021-2022)

DCRI Fellowship Citizenship Award, May 2022

NIH T32 Training Grant (2020-2022): Received salary support from the Division of Cardiology Institutional Training Award

Duke Clinical Research Institute Co-Chief Research Fellow (2021-2022)

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences in Clinical Research: Duke University School of Medicine, Biostatistics and Bioinformatics, Durham, NC (anticipated degree Fall 2022)

KELLY ARPS, MD

Training

Medical School (2012-2016): Emory University, Atlanta GA

Residency (2016-2019): Johns Hopkins Hospital, Baltimore, MD

Cardiovascular Disease Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2021-2022): Duke Clinical Research Institute, Durham, NC

VANESSA BLUMER, MD

Training

Medical School (2002-2008): Universidad Central de Venezuela, Caracas, Venezuela

Residency (2010-2011): Hospital de Clinicas Caracas, Caracas, Venezuela

Residency (2015-2018): Jackson Memorial Hospital, Miami, FL

Chief Residency (2018-2019): University of Miami, Miami, FL

Cardiovascular Disease Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2021-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants:

Duke Clinical Research Institute Executive Director Pathway (2021)

The Mario Family Foundation Award (2022)

ANGELIQUE BOUTZOUKAS, MD

Training

Medical School (2013-2017): University of Florida College of Medicine, Jacksonville, FL

Pediatric Residency (2017-2020): Nationwide Children's Hospital, Columbus, OH

Pediatric Infectious Diseases Fellowship (2020-2013): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2021-2023): Duke Clinical Research Institute, Durham, NC

Awards/Grants

NIH Loan Repayment Program (July 2021 – July 2023): \$100,000 in loan repayment support from National Institute for Allergy and Infectious Diseases

Duke Clinical Research Institute Executive Director Pathway (2021)

NICHHD T32 Duke/UNC Unified Program for Therapeutics in Children Grant (2021-2023): Salary Support

Quantitative Training

UNC Gillings School of Global Public Health – Master of Public Health Degree, Applied Epidemiology Concentration – (Anticipated Completion 5/2023)

ANNE FRIEDLAND, MD

Training

Medical School (2010-2014): Tufts University School of Medicine, Boston, MA

Residency (2014-2017): University of Maryland, College Park, MD

Clinical Infectious Disease Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

HeRO HCQ: Healthcare Worker Exposure Response and Outcomes of Hydroxychloroquine Trial

PI: Susanna Naggie and Adrian Hernandez

Time involved: 6/2020-present

% Effort: 58% (averaged over the course of the year)

ACTIV-6: COVID-19 study of repurposed medications

PI: Susanna Naggie

Time involved: 6/2021-present

% Effort: 25% (over the next two years)

Quantitative Training:

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

JOSEPHINE HARRINGTON, MD

Training

Medical School (2011-2016): University of Massachusetts Medical School, Worcester, MA

Residency (2016-2019): University of Texas Southwestern, Dallas, TX

Cardiovascular Disease Fellowship (2019-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2021-present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Runner-up, Young Investigator Award Heart Failure Society of America, 2021

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021 & 2022)

Quantitative Training

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

CAITLIN KING, MD

Training

Medical School (2011-2015): University of Arkansas for the Medical Sciences, Little Rock, AR

Pediatric Residency (2015-2018): Penn State Health Medical Center, Hershey, PA

Pediatric Chief Residency (2018-2019): Penn State Health Medical Center, Hershey, PA

Pediatric Critical Care Medicine Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Pharmacology Fellowship (2020-2022): University of North Carolina, Chapel Hill, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Quantitative Training

Clinical Pharmacology Coursework, University of North Carolina, Chapel Hill, NC

Clinical Pharmacology Training Program, NIH ORC

RYAN KILPATRICK, MD

Training

Medical School (2013–2017): Loyola University Stritch School of Medicine, Maywood, IL

Pediatrics Residency (2017–2020): Floating Hospital for Children at Tufts Medical Center, Boston, MA

Neonatal-Perinatal Fellowship (2020–Present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2021–Present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Duke Clinical Research Institute Executive Director Pathway Research Funding (2021), (with co-fellow Angelique Boutzoukas)

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC (anticipated degree 2023)

KONSTANTIN KRYCHTIUK, MD, PHD

Training

Medical School (2004-2011; 6years): Medical University of Vienna, Vienna, Austria

PhD, Vascular Biology (2014-2020): Medical University of Vienna, Vienna, Austria

Residency (2014-2020): Medical University of Vienna, Vienna, Austria

Clinical Fellowship (2020-2021; paused): Cardiology and Critical Care, Medical University of Vienna, Vienna, Austria

Clinical Research Fellowship (2021-present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2022)

ANTHONY PETERS, MD

Training

Medical School (2011-2015): University of North Carolina, Chapel Hill, NC

Residency (2015-2018): University of Virginia Health System, Charlottesville, VA

Chief Resident: (2018-2019): University of Virginia Health System, Charlottesville, VA

Cardiovascular Disease Fellowship (2019-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2023): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2022)

Quantitative Training

Master's in Clinical Research, University of Virginia, Charlottesville, VA

Training

Medical School (2011-2015): University of North Carolina, Chapel Hill, NC

Pediatric Residency (2015-2018): Duke University Medical Center, Durham, NC

Pediatric Chief Residency (2018-2019): Duke University Medical Center, Durham, NC

Pediatric Rheumatology Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Pharmacology Fellowship (2020- present): University of North Carolina, Chapel Hill, NC

Clinical Research Fellowship (2020-present): Duke Clinical Research Institute, Durham, NC

Awards/Grants

- Thrasher Research Fund Early Career Award (\$25k, 1/1/21-12/31/22)
- Duke Department of Pediatrics, Children's Miracle Network Hospitals. Trainee Award (2022-2023)
- L40AR079804, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Pediatric Extramural Loan Repayment Program. (2021-2023)
- T32HD104576 Eunice Kennedy Shriver National Institute of Child Health and Human Development UNC-Duke Collaborative Clinical Pharmacology T32 Postdoctoral Training Program. (2022-2023)
- Inducted into the Lefkowitz Society for Physician Investigators, Duke University School of Medicine October 2021
- Lupus Foundation of America Gary S. Gilkeson Career Development Award (\$140,000). Project Title: Optimizing Adherence in Pediatric Lupus Using an App-Based Medication Diary.

Quantitative Training

Masters of Science Clinical Research (MSCR), Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC (Anticipated Graduation, May 2023)

Training

Medical School (2010-2015): University of North Carolina School of Medicine, Chapel Hill, NC

Graduate School (2013-2014): University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC

Residency (2015-2018): Osler Medical Residency Training Program, Johns Hopkins Hospital, Baltimore, MD

Cardiovascular Disease Fellowship (2018-2022): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

American Heart Association Early Career Investigator Database Research Seed Grant (2021)

The Walter L. Floyd, MD Endowed Fellowship in Cardiology for Clinical Excellence (2021)

NIH T32 Training Grant (2020-2022). Received salary support from the Division of Cardiology Institutional Training Award. PI: Daniel B. Mark, Duke University School of Medicine

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021-2022)

National Institutes of Health Loan Repayment Program (IC NHLBI, 2021 to 2023). Mentored Research Award

American Heart Association Get with The Guidelines Data Challenge Award (2021).

DCRI Eric D. Peterson Fellowship Manuscript Award, May 2022

Training

Medical School (2012-2016): Wake Forest School of Medicine, Winston-Salem, NC

Residency (2016-2019): Massachusetts General Hospital, Boston, MA

Clinical Fellowship (2019-2022): Rheumatology Fellowship, Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

David S. Caldwell and John R. Rice Clinical Rheumatology Award (2021): Division of Rheumatology and Immunology, Duke University Hospital, Durham, NC

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021-2022)

Quantitative Training

Fellows' Research Academy (2021-2022): Duke University School of Medicine, Durham, NC

Health Disparities Research Curriculum (2021-2022): Duke University School of Medicine, Durham, NC

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC (2020-2022)

Training

Physical Therapy School (2011-2014): University of Indianapolis, Indianapolis, IN

Orthopaedic Physical Therapy Residency (2014-2015): James A. Haley Veterans' Hospital, Tampa, FL

Graduate Certificate, Applied Biostatistics (2016): University of South Florida College of Public Health, Tampa, FL

PhD, Public Health/Epidemiology (2017-2021): University of South Florida College of Public Health, Tampa, FL

Clinical Research Fellowship (2021-present): Duke Clinical Research Institute, Durham, NC

Awards

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021)

Quantitative Training

Target Trial Emulation. Non-Degree Course: T.H. Chan School of Public Health, Harvard University, Boston, MA

Training

Medical School (2011-2016): Stony Brook University School of Medicine, Stony Brook, NY

Residency (2016-2020): Duke Psychiatry Residency Training Program, Duke University Medical Center, Durham, NC

Clinical Research Fellowships (dual):

VA Advanced Fellowship in Mental Illness Research and Treatment, Mid-Atlantic (VISN 6) Mental Illness Research, Education, and Clinical Center (MIRECC) (2020-2021): Durham Veterans Affairs Healthcare System, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Career Development Award (CDA-1) IK1 CX002187 (07/2021-07/2023)

U.S. Department of Veterans Affairs, VA Clinical Science Research and Development (CSR&D) \$429,000
Title: Neuroimaging correlates and feasibility of transcranial magnetic stimulation to improve smoking cessation outcomes in veterans with PTSD. The goal of this project is to evaluate the feasibility and acceptability of fMRI-guided rTMS as an adjunctive treatment to cognitive behavioral therapy for smoking cessation and nicotine replacement in veterans with PTSD.

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences, Duke University School of Medicine, Durham, NC (anticipated degree 2022)

Training

Medical School (2012-2017): Icahn School of Medicine at Mount Sinai, New York, NY

Integrated Vascular and Endovascular Surgery Residency (2017-2025): Duke University School of Medicine, Durham, NC

Clinical Research Fellowship (2019-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

NHLBI 1F32HL151181-01A1, Principal Investigator (2020-2022) - Addressing Variability in Peripheral Arterial Disease Outcomes Using Machine Learning Techniques

PCORI Engagement Award Contract #21136-VC, Junior Investigator (2021 - present) - Working Group to Enable Chronic Limb-Threatening Ischemia Patient Engagement in PCOR/CER

Vascular Cures Collaborative Patient-Centered Research Program, Co-Investigator (2021-2022) - Validating the Peripheral Artery Questionnaire and Vascular Quality of Life Questionnaire in a Population of Patients with Chronic Limb-Threatening Ischemia

Women as One Escalator Award, Co-Investigator (2021-2022) - Validating the Peripheral Artery Questionnaire in a Diverse Patient Population with Symptomatic Peripheral Artery Disease

Joint Liability Steering Committee Safety Grant, Co-Principal Investigator (2021-2022) - Improving Surgeon/Interventionalist Pain and Injury with a Targeted Movement Intervention

Duke Institute for Health Innovation Pilot, Principal Investigator (2021-2022) - Improving Equity and Value of Peripheral Artery Disease Care at a Population Level

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences (2019-2021), Duke University School of Medicine, Durham NC

Blumer V, **Arps K**, Turco JV, Taqueti VR, Walsh MN, Douglas PS. Increase in Gender Diversity Among JACC Editorialists and Editors from 2008 to 2019. Accepted to J Am Coll Cardiol 2022;80(5):562-563. PMID: 35902179)

Piccini JP, **Arps K**. Sacubitril/Valsartan Therapy for AF and HFpEF: Is the Glass Half Empty or Half Full? JACC Heart Fail 2022;10(5):347-349. (PMID: 35483797)

Bicong L, Allen JC, **Arps K**, Al-Khatib SM, Bahnson TD, Daubert JP, Frazier-Mills C, Hegland DD, Jackson KP, Jackson LR, Lewis RK, Pokorney SD, Sun AY, Thomas KL, Piccini JP. Leadless Pacemaker Implantation after Lead Extraction for Cardiac Implanted Electronic Device Infection. J Cardiovasc Electrophysiol 2022;33(3):464-470. (PMID: 35029307)

Arps K, Piccini JP, Yapejian R, Leguire R, Smith B, Al-Khatib SM, Bahnson TD, Daubert JP, Hegland DD, Jackson KP, Jackson LR, Lewis RK, Pokorney SD, Sun AY, Thomas KL, Frazier-Mills C. Optimizing Mechanically-Sensed Atrial Tracking in Patients with Atrioventricular-Synchronous Leadless Pacemakers: A Single-Center Experience. Heart Rhythm O2 2021;2(5):455-462. (PMID: 34667960)

Abraham J, **Blumer V**, Burkhoff D, Pahuja M, Sinha SS, Roser C, Vorovich E, Grafton G, Bagnola A, Hernandez-Montfort JA, Kapur NK. Heart Failure-Related Cardiogenic Shock: Pathophysiology, Evaluation and Management Considerations: Review of Heart Failure-Related Cardiogenic Shock. J Card Fail 2021;27(10):1126-1140. (PMID: 34625131)

Carnicelli AP, Li Z, Greiner MA, Lippmann SJ, Greene SJ, Mentz RJ, Hardy NC, **Blumer V**, Shen X, Yancy CW, Peterson PN, Allen LA, Fonarow GC, O'Brien EC. Sacubitril/Valsartan Adherence and Postdischarge Outcomes Among Patients Hospitalized for Heart Failure with Reduced Ejection Fraction. JACC Heart Fail 2021;9(12):876-886. (PMID: 34509408)

Siddiqi TJ, Arshad MS, Sreenivasan J, **Blumer V**, Almani MU, Usman MS, Kolawole JO, Fudim M, Hernandez GA, Khan MS. Readmissions in Patients with Heart Failure and Mental Health Disorders (from a National Database). Am J Cardiol 2021;159:142-143. (PMID: 34493385)

Kittipibul V, Blumer V, Hernandez GA, Fudim M, Flowers R, Chaparro S, Agarwal R. Pre-operative Atrial Fibrillation and Early Right Ventricular Failure After Left Ventricular Assist Device Implantation: A Systematic Review and Meta-Analysis. Am Heart J 2021;239:120-128. (PMID: 34038705)

Chow C, Greene SJ, North R, **Blumer V**, Truby LK, Alhanti B, Butler J, Ezekowitz JA, Starling RC, Mentz RJ. Sex-Differences in Cause of Death for Patients Hospitalized for Heart Failure with Reduced Versus Preserved Ejection Fraction (from the ASCEND-HF Trial). Am J Cardiol 2021;154:123-126. (PMID: 34284862)

Blumer V, Gayowsky A, Xie F, Greene SJ, Graham MM, Ezekowitz JA, Perez R, Ko DT, Thabane L, Zannad F, Van Spall HGC. Effect of Patient-Centered Transitional Care Services on Patient-Reported Outcomes in Heart Failure: Sex-Specific Analysis of the PACT-HF Randomized Controlled Trial. Eur J Heart fail 2021;23(9):1488-1498. (PMID: 34302417)

Gomez S, **Blumer V**, Rodriguez F. Unique Cardiovascular Disease Risk Factors in Hispanic Individuals. Curr Cardiovasc Risk Rep 2022;16(7):53-61. (PMID: 35669678, PMCID: PMC9161759)

DeFilippis EM, **Blumer V**, Mentz RJ, Agarwal R, Haythe JH, Kittleson M. In-Hospital Outcomes in Pregnancy After Heart Transplantation. Am J Cardiol 2022;172:68-72. (PMID: 35331474)

Blumer V. Michele-This Is My Why, Now Let's Find the Way. *J Card Fail* 2022;28(5):875-877. (PMID: 35306169)

Kapur NK, Kanwar M, Sinha SS, Thayer KL, Garan AR, Hernandez-Montfort J, Zhang Y, Li B, Baca P, Dieng F, Harwani NM, Abraham J, Hickey G, Nathan S, Wencker D, Hall S, Schwartzman A, Khalife W, Li S, Mahr C, Kim JH, Vorovich E, Whitehead EH, **Blumer V**, Burkhoff D. Criteria for Defining Stages of Cardiogenic Shock Severity. *J Am Coll Cardiol* 2022;80(3):185-198. (PMID: 35835491)

Bhardwaj A, Ramu B, **Blumer V**, Cogswell R, Demarco T, Hall S; Executive Committee of the Women in Heart Transplantation and Mechanical Circulatory Support Network. Women Empowering Women in Heart Transplantation and Mechanical Circulatory Support. *J Card Fail* 2022;28(6):1031-1034. (PMID: 35470054)

Blumer V, Parsons JB, Anderson DR, Bloomfield GS, Ward C. Hemophagocytic Lymphohistiocytosis Associated with Endocarditis: A Case Years in the Making. *Circulation* 2022;145(12):934-939. (PMID: 35312382)

DeFillippis EM, **Blumer V**, Morris AA, Cogswell R. Referring Women for Advanced Heart Failure Therapies: Too Little, Too Late. *J Card Fail* 2022;28(4):688-689. (PMID: 35104619)

Blumer V, Marbach J, Veasey T, Kanwar M. Role of Medical Management of Cardiogenic Shock in the Era of Mechanical Circulatory Support. *Curr Opin Cardiol* 2022;37(3):250-260. (PMID: 35612937)

Salah HM, Minhas AMK, Khan MS, Khan SU, Ambrosy AP, **Blumer V**, Vaduganathan M, Greene SJ, Pandey A, Fudim M. Trends and Characteristics of Hospitalizations for Heart Failure in the United States from 2004-2018. *ESC Heart Fail* 2022;9(2):947-952. (PMID: 35098700)

Shah A, Mentz RJ, Sun JL, Rao VN, Alhanti B, **Blumer V**, Starling R, Butler J, Greene SJ. Emergency Department Visits Versus Hospital Readmissions Among Patients Hospitalized for Heart Failure. *J Card Fail* 2022;28(6):916-923. (PMID: 34987009)

Carnicelli AP, **Blumer V**, Genovese L, Gage A, Agarwal R, Lakdawala NK, Bohula E, Katz JN. The Road Not Yet Traveled: Distinction in Critical Care Cardiology Through the Advanced Heart Failure and Transplant Cardiology Training Pathway. *J Card Fail* 2022;28(2):339-342. (PMID: 35148880)

Salah HM, Minhas AMK, Khan MS, Khan SU, Ambrosy AP, **Blumer V**, Vaduganathan M, Greene SJ, Pandey A, Fudim M. Trends in Hospitalizations for Heart Failure, Acute Myocardial Infarction, and Stroke in the United States from 2004-2018. *Am Heart J* 2022;243:103-109. (PMID: 34582776)

Smith MJ, **Boutzoukas A**, Autmizguine J, Hudak ML, Zinkhan E, Bloom BT, Heresi G, Lavery AP, Courtney SE, Sokol GM, Cotten CM, Bliss JM, Mendley S, Bendel C, Dammann CEL, Weitkamp JH, Saxonhouse MA, Mundakel GT, Debski J, Sharma G, Erinjeri J, Gao J, Benjamin DK Jr, Hornik CP, Smith PB, Cohen-Wolkowicz M; Best Pharmaceuticals for Children Act—Pediatric Trials Network Steering Committee. Antibiotic Safety and Effectiveness in Premature Infants with Complicated Intraabdominal Infections. *Pediatr Infect Dis J* 2021;40(6):550-555. (PMID: 33902072)

Zimmerman KO, Brookhart MA, Kalu IC, **Boutzoukas AE**, McGann KA, Smith MJ, Maradiaga Panayotti GM, Armstrong SC, Weber DJ, Moorthy GS, Benjamin DK; ABC Science Collaborative. Community SARS-CoV-2 Surge and Within-School Transmission. *Pediatrics* 2021;148(4):e2021052686. (PMID: 34321339)

Boutzoukas AE, Zimmerman KO, Benjamin DK, DeMuri GP, Kalu IC, Smith MJ, McGann KA, Koval S, Brookhart MA, Butteris SM. Secondary Transmission of COVID-19 in K-12 Schools: Findings from 2 States. *Pediatrics* 2022;149(12 Suppl 2):e2021054268K. (PMID: 34737171)

Boutzoukas AE, Zimmerman KO, Mann TK, Moorthy GS, Blakemore A, McGann KA, Smith MJ, Nutting B, Kerley K, Brookhart MA, Edwards L, Rak Z, Benjamin DK, Kalu IC. A School-Based SARS-CoV-2 Testing Program: Testing Uptake and Quarantine Length After In-School Exposures. *Pediatrics* 2022;149(12 Suppl 2):e2021054268J. (PMID: 34737175)

Moorthy GS, Mann TK, **Boutzoukas AE**, Blakemore A, Brookhart MA, Edwards L, Jackman JG, Panayotti GMM, Warren T, Pendleton J, Garcés AW, Corneli A, Weber DJ, Kalu IC, Benjamin DK, Zimmerman KO. Masking Adherence in K-12 Schools and SARS-CoV-2 Secondary Transmission. *Pediatrics* 2022;149(12 Suppl 2):e2021054268I. (PMID: 34737177)

Zimmerman KO, Goldman JL, Schuster JE, Mena A, Quiriconi M, Butteris SM, Koval S, DeMuri GP, Mueller NB, Benjamin DK Jr, Armstrong SC, Kalu IC, **Boutzoukas A**, Moorthy GS, Lane H, Weber DJ, Newland JG. Building a National Framework to Pair Scientists and Schools During a Global Pandemic. *Pediatrics* 2022;149(Suppl 2):e2021054268D. (PMID: 34737179).

Boutzoukas AE, Zimmerman KO, Benjamin DK, Chick KJ, Curtiss J, Høeg TB. Quarantine Elimination for K-12 Students with Mask-on-Mask Exposure to SARS-CoV-2. *Pediatrics* 2022;149(12 Suppl 2):e2021054268L. (PMID: 34737181)

Boutzoukas AE, Zimmerman KO, Benjamin DK. School Safety, Masking, and the Delta Variant. *Pediatrics* 2021:e2021054396. (Online Ahead of Print) (PMID: 34873629)

Uhl BD, **Boutzoukas A**, Gallup N, Patrick M, Stultz J, Porter C, Watson JR. Increasing Adherence to Acute Otitis Media Treatment Duration Guidelines using a Quality Improvement Approach. *Pediatr Qual Saf* 2021;6(6):e501. (PMID: 34934881; PMCID: PMC8677959).

Boutzoukas AE, Zimmerman KO, Inkelas M, Brookhart MA, Benjamin DK, Butteris S, Koval S, DeMuri GP, Manuel VG, Smith MJ, McGann KA, Kalu IC, Weber DJ, Falk A, Shane AL, Schuster JE, Goldman JL, Hickerson J, Benjamin V, Edwards L, Erickson TR, Benjamin DK. School Masking Policies and Secondary SARS-CoV-2 Transmission. *Pediatrics* 2022;149(6):e2022056687. (PMID: 35260896)

Campbell MM, Benjamin DK, Mann T, Fist A, Kim H, Edwards L, Rak Z, Brookhart MA, Anstrom K, Moore Z, Tilson EC, Kalu IC, **Boutzoukas AE**, Moorthy GS, Uthappa D, Scott Z, Weber DJ, Shane AL, Bryant KA, Zimmerman KO; ABC SCIENCE COLLABORATIVE. Test-to-Stay After Exposure to SARS-CoV-2 in K-12 Schools. *Pediatrics* 2022;149(5):e2021056045. (PMID: 35437593)

Boutzoukas AE, Freedman DA, Koterba C, Hunt WG, Mack K, Cass J, Yildiz VO, de Los Reyes E, Twanow J, Chung MG, Ouellette CP. La Crosse Virus Neuroinvasive Disease in Children: A Contemporary Analysis of Clinical/Neurobehavioral Outcomes and Predictors of Disease Severity. *Clin Infect Dis* 2022:ciac403. (Online Ahead of Print) (PMID: 35607778)

Boutzoukas AE, Akinboyo IC, Wong CA, Benjamin DK, Zimmerman KO. Impact of COVID-19 Related School Closures on the Drivers of Child Health. *NC Med J* 2021;82(1):50-56. (PMID: 33397756)

Friedland A, Hernandez AF, Anstrom KJ, Chen-Lim ML, Cohen LW, Currier JS, Forrest CB, Fraser R, Fraulo E, George A, Handberg E, Jackman J, Koellhoffer J, Lawrence D, Leverty R, McAdams P, McCourt B, Mickley B, Naqvi D, O'Brien EC, Olson R, Prater C, Rothman RL, Shenkman E, Shostak J, Turner KB, Webb L, Woods C, Naggie S, HERO Research Program. Design of the Healthcare Worker Exposure Response and Outcome (HERO) Research Platform. *Contemp Clin Trials* 2021;109:106525. (PMID: 34371163; PMCID: PMC8349387)

Udell JA, Jones WS, Petrie MC, **Harrington J**, Anker SD, Bhatt DL, Hernandez AF, Butler J. Sodium Glucose Cotransporter-2 Inhibition for Acute Myocardial Infarction: JACC Review Topic of the Week. *J Am Coll Cardiol* 2022;79(20):2058-2068. (PMID: 35589167)

Harrington J, Felker GM, Mentz RJ. Catastrophic Disruptions in Clinical Trials. *Circulation* 2022;146(5):369-371. (PMID: 35914015)

Harrington J, Gouda P, Ezekowitz J, Mentz RJ. Exploring the Pragmatic-Explanatory Spectrum Across Cardiovascular Clinical Trials. *Contemp Clin Trials* 2022;113:106646. (PMID: 34863929)

Piccini JP, **Harrington J**. Midregional Pro-Atrial Natriuretic Peptide and Atrial Fibrillation: Interesting Association or Practice Changing? *J Am Coll Cardiol* 2022;79(14):1382-1384. (PMID: 35393019)

Harrington J, Jones WS, Udell JA, Hannan K, Bhatt DL, Anker SD, Petrie MC, Vedin O, Butler J, Hernandez AF. Acute Decompensated Heart Failure in the Setting of Acute Coronary Syndrome. *JACC Heart Fail* 2022;10(6):404-414. (PMID: 35654525)

Harrington J, Felker GM. Leveraging Multiple Biomarkers to Assess Risk of Acute Heart Failure: Is More Better? *J Card Fail* 2022;28(2):234-236. (PMID: 34952784)

Harrington J, Shah SH. Expert Commentary on: A Biomarker-based Score for the Risk of Hospitalization for Heart Failure in Patients with Diabetes. *Practice Update*. September 24, 2021.

Harrington J, Udell JA, Jones WS, Anker SD, Bhatt DL, Petrie MC, Vedin O, Sumin M, Zwiener I, Hernandez AF, Butler J. Empagliflozin in Patients Post Myocardial Infarction Rationale and Design of the EMPACT-MI trial. *Am Heart J* 2022;S0002-8703(22)00095-3. (Online Ahead of Print) (PMID: 35595091)

Peters AE, Mentz RJ, Sun JL, **Harrington JL**, Fudim M, Alhanti B, Hernandez AF, Butler J, Starling RC, Greene SJ. Patient-reported and Clinical Outcomes Among Patients Hospitalized for Heart Failure with Reduced Versus Preserved Ejection Fraction. *J Card Fail* 2022;S1071-9164(22)00538-3. (Online Ahead of Print) (PMID: 35688408)

Harrington J, Mentz RJ. Prioritizing Quad Therapy and the Path Forward in Guideline-Directed Medical Therapy for Patients with Heart Failure with Reduced Ejection Fraction. *Circulation* 2022;145(15):1105-1107. (PMID: 35404676)

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