



# **Duke Clinical Research Institute**

**Annual Progress Report of Academic Output**

**Clinical Research Study Program**

**Duke Clinical Research Institute**

**Academic Year: August 2018 - July 2019**

## Aman Bali- Duke Surgical Urology

**Mentor:** Charles Scales, MD

**Program:** Completed Clinical Research Study Program

**Project Title:**

- Severity of Lower Urinary Tract Symptoms Associated with Diabetes Duration
- Care of Urinary Stone Disease in Hospital Based Outpatient Clinics in the United States

**Presentations/Abstracts:**

**Bali AS**, Davis LG, Routh JC, Purves JT, Scales CD, Severity of Lower Urinary Tract Symptoms Associated with Diabetes Duration. Duke University Surgery Research Day. Poster Session April 2019, Durham, NC.

**Bali AS**, Davis LG, Routh JC, Purves JT, Scales CD. Severity of Lower Urinary Tract Symptoms Associated with Diabetes Duration. Multidisciplinary Benign Urology Research Day. Poster Session May 2019, Durham, NC

**In Progress:**

**Bali AS**, Aksenov LI, Winship BB, Terry RS, Lipkin ME, Routh JC, Preminger GM, Scales CD. Care of Urinary Stone Disease in Hospital-Based Outpatient Clinics in the United States.

## Zachary Brandon – Duke General Internal Medicine

**Mentors:** Alex Cho, MD and Kevin Shah, MD

**Program:** Completed Clinical Research Study Program

**Project Title:** Decreasing Time Spent in the Waiting “Rheum”: How E-Consults Improve Access to Rheumatology

**Medical School Contributions:**

- Student Leader for Clinical Skills Foundation: Year 1
- Student Instructor at a Faculty Development Retreat
- Panelist for a Medical Student Panel for the dCRUE Program

**Publications**

**In Progress:**

**Brandon Z**, Shoup J, Keenan R, Cho A, Tarrant T, Phinney D, Anderson J, Malcolm E, Shah K. E-Communication Improves Primary Care Patient Access to Rheumatology.

**Presentations/Abstracts:**

**Brandon Z**, Shoup J, Keenan R, Cho A, Tarrant T, Phinney D, Anderson J, Malcolm E, Shah K. E-Communication Improves Primary Care Patient Access to Rheumatology. Poster Presentation. Society of General Internal Medicine Annual Meeting, May 2019. Washington, DC.

**Brandon Z**, Shoup J, Keenan R, Cho A, Tarrant T, Phinney D, Anderson J, Shah K. E-Communication Improves Primary Care Patient Access to Rheumatology. Poster Presentation. North Carolina American College of Physicians Annual Meeting, February 2019, Raleigh, NC.

**Brandon ZJ**, Shoup JP, Kennan RT, Cho AH, Tarrant TK, Malcolm E, Shah KP. Decreasing Time Spent in the Waiting “Rheum”: How eConsults Improve Access to Rheumatology. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Alyssa Calland - Duke Rheumatology

**Mentor:** Kim Huffman, MD, PhD

**Program:** Clinical Research Study Program

**Project Title:** Eating Disorders, Exercise, and Personality

### **Publications**

#### **In Progress:**

Neurocognitive and Hormonal Responses to Exercise in Anorexia Nervosa: A Pilot Study to Determine Feasibility of High Intensity Interval Training as Treatment Strategy Associations of Eating Behaviors and Personality in a College-Educated Sample.

## Madeleine Caplan – Study Away at Northshores University Health System, Chicago

**Mentors:** Ann Elizabeth Bryant Borders, MD and Lauren Devlin-Keenan

**Program:** Completed Clinical Research Study Program

**Project Title:** Lifetime Psychosocial Stress and Hypertensive Disorders of Pregnancy

### **Publications**

#### **Submitted:**

**Caplan, M**, Keenan-Devlin L, Freedman A, Wahdwa P, Buss C, Grobman W, Miller G, Borders A. Lifetime Psychosocial Stress Exposure Associated with Hypertensive Disorders of Pregnancy. AJOG, Submitted May 2019.

#### **In Progress:**

**Caplan M**, Keenan-Devlin L, Kutcha K, Freedman A, Miller G & Borders A. Mid-Pregnancy Inflammation and Adverse Birth Outcomes. In Progress.

**Caplan M**, Freedman A, Pellerite M, Ernst L. Placental Malperfusion and Risk of Neurodevelopmental Delay at Three Years. In Progress.

Robinson B, **Caplan M**, Tucker EB. Effectiveness of Classical Cesarean vs. Vaginal Delivery for Breech Infant at 23 Weeks. In Progress.

Smart B, Freedman A, **Caplan M**, Keenan-Devlin L, Miller G, Borders A. The Association between Racial Density and Adverse Birth Outcomes. In Progress.

#### **Presentations/Abstracts:**

**Caplan M**, Keenan-Devlin L, Freedman A, Miller G, Borders A. Lifetime Psychosocial Stress Exposure Associated with Hypertensive Disorders of Pregnancy. North Shore University Health System Research Institute Spring Scientific Research Reception, April 2019. Poster Presentation.

**Caplan M**, Freedman A, Pellerite M, Ernst L. Placental Malperfusion and Risk of

Neurodevelopmental Delay at Three Years. Society for Maternal Fetal Medicine Annual Pregnancy Meeting (SMFM). Grapevine, Texas, February 2020. Submitted.

**Caplan M**, Freedman A, Pellerite M. & Ernst L. Chronic High-Grade Placental Villitis and Pediatric Neurodevelopmental Outcomes. Society for Maternal Fetal Medicine Annual Pregnancy Meeting (SMFM), Grapevine, Texas. February 2020. Submitted.

**Caplan M**, Keenan-Devlin L, Freedman A, Grobman W, Wadwha P, Buss C, Miller G, Borders A. Lifetime Psychosocial Stress Exposure Associated with Hypertensive Disorders of Pregnancy. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Ryan Chiang – Duke Gastroenterology

**Mentor:** Andrew J. Muir MD

**Program:** Clinical Research Study Program (CRSP)

**Project Title:**

Malnutrition as a Prognostic Indicator in Patients with Chronic Liver Disease Undergoing Trans Jugular Intrahepatic Portosystemic Shunt Phosphate as a Predictor of Disease Severity and Mortality in Patients with Alcoholic Hepatitis

**Publications**

**Accepted:**

**Chiang RS**, Muir AJ. HCV Exposure in the Health Care Arena. Is There a Role for Post-Exposure Prophylaxis? Current Hepatology Reports. Published Online: April 2019.

**Presentations/Abstracts:**

**Chiang RS**, Parish A, Niedzwiecki D, Kappus MR, Muir AJ. Malnutrition as a Prognostic Indicator in Patients with Chronic Liver Disease undergoing TIPS. 3<sup>rd</sup> Annual Duke GI Research Night. Duke University School of Medicine, Durham, NC. April 2019.

**Submitted:**

**Chiang RS**, Parish A, Niedzwiecki D, Kappus MR, Muir AJ. The Impact of Malnutrition on Outcomes in Patients Undergoing Transjugular Intrahepatic Protosystemic Shunt Insertion. American Association for the Study of Liver Diseases (AASLD), The Liver Meeting, Boston, MA, November 2019.

**Chiang RS**, Parish A, Niedzwiecki D, Kappus MR, Muir AJ. Malnutrition as a Prognostic Indicator in Patients with Chronic Liver Disease Undergoing TIPS. American Association for the Study of Liver Diseases. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Nicole Dalal – Study Away at NIH

**Mentor:** Lindsay Morton, PhD

**Program:** Completed Clinical Research Study Program

**Project Title:** Cause-Specific Mortality in a Population-Based Cohort of 7,289 Individuals Diagnosed with Lymphoplasmacytic Lymphoma (LPL)/Waldenström Macroglobulinemia (WM), 2000-2016.

## **Publications**

### **Submitted:**

**Dalal NH**, Dores GM, Curtis RE, Linet MS, Morton LM. Cause-Specific Mortality in a Population-Based Cohort of 7,289 Individuals Diagnosed with Lymphoplasmacytic Lymphoma (LPL)/Waldenström Macroglobulinemia (WM), 2000-2016. *Blood*.

### **Presentations/Abstracts:**

**Dalal NH**, Chino F, Williamson H, Beasley GM, Salama AKS, Palta M. Mind the Gap: Gendered Trends in Academic Oncology. American Society for Radiation Oncology Annual Conference, September 15-17, 2019. (Electronic poster presentation)

**Dalal NH**, Dores GM, Curtis RE, Linet MS, Morton LM. Cause-Specific Mortality in Survivors Lymphoplasmacytic Lymphoma and Waldenström Macroglobulinemia. American Society of Clinical Oncology Annual Meeting, May 2019. (Electronic abstract presentation)

**Dalal N**, Dores GM, Curtis RE, Linet MS, Morton LM. Cause-Specific Mortality in Survivors Lymphoplasmacytic Lymphoma and Waldenström Macroglobulinemia. The National Institutes of Health Medical Research Scholars Program Annual Poster Session, May 2019. (Poster and podium presentation)

**Dalal N**, Dores GM, Curtis RE, Linet MS, Morton LM. Cause-Specific Mortality in Survivors Lymphoplasmacytic Lymphoma and Waldenström Macroglobulinemia. The National Cancer Institute Division of Cancer Epidemiology and Genetics Fellows Symposium, April 2019. (Poster presentation)

**Dalal NH**, Dores GM, Curtis RE, Linet MS, Morton LM. Cause-Specific Mortality in a Population-Based Cohort of 7,289 Individuals Diagnosed with Lymphoplasmacytic Lymphoma (LPL)/Waldenström Macroglobulinemia (WM), 2000-2016. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## **Heather Frank – Duke Pediatrics**

**Mentor:** Charlene Wong, MD

**Program:** Completed Clinical Research Study Program

### **Project Title:**

- The Association between Physical Activity and Cardiometabolic Health in Young Adults
- Nudge not Fudge: Leveraging Behavioral Economics in Prevention and Treatment of Pediatric Obesity
- Consumer Engagement: The Missing Piece in Value-Based Payment Reform
- Pediatric Accountable Health Communities: Insights on Needed Capabilities and Potential Solutions
- A Concurrent and Co-Opioid Prescribing Nudge: Leveraging Behavioral Economics to Reduce Opioid Harms Within Health Systems

### **Awards/Scholarships:**

- Top 5 Top Clinical Abstracts- Duke Pediatrics Research Day April, 2019, Duke University School of Medicine Deans Merit Scholarship
- Elected to the Duke University School of Medicine Chapter of the Alpha Omega Alpha Medical Honor Society, Fall 2019

**Medical School Contributions:** DCRUE Panel Member

**Additional Coursework:** Introductions to Healthcare Markets and Policy, History of Clinical Medicine

**Publications**

**Submitted:**

**Frank HR**, Mudler H, Sriram K, Santanam T, Skinner AC, Perrin EM, Armstrong SC, Peterson ED, Pencina M, Wong CA. The Association between Physical Activity and Cardiometabolic Health in Young Adults. (Submitted June 2019)

Sriram K, Mudler H, **Frank HR**, Santanam T., Skinner AC, Perrin EM, Armstrong SC, Peterson ED, Pencina M, Wong CA. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents. (Submitted May 2019).

**In Progress:**

**Frank HR**, Ubel PA, Wong CA. Nudge not Fudge: Leveraging Behavioral Economics in Prevention and Treatment of Pediatric Obesity.

Wang G, **Frank HR**, Santanam T, Zeng E, Vulimiri M, McClellan M, Wong CA. Pediatric Accountable Health Communities: Insights on Needed Capabilities and Potential Solutions.

**Poster Presentations:**

**Frank H**, Sriram K, Mulder H, Santanam K, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Dose Relationship of Physical Activity on Cardiometabolic Health in Adolescents and Young Adults. Platform presentation at American Pediatrics Association (APA), Region IV, February 2019, Charlottesville, VA.

**Frank H**, Mulder H, Sriram K, Santanam K, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Dose Relationship of Physical Activity on Cardiometabolic Health in Young Adults. Poster presented at Pediatric Academic Society (PAS), April 2019, Baltimore, MD.

Sriram K, Mulder H, **Frank H**, Santanam K, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? Physical Activity for Adolescent Cardiometabolic Health. Platform presentation at Pediatric Academic Society (PAS), April 2019, Baltimore, MD.

Wang G, Santanam K, Zeng E, **Frank H**, Ho N, Ye E, Vilimiri M, McClellan M, Wong C. Pediatric Accountable Health Communities: Insights on Needed Capabilities and Potential Solutions. Platform presentation at Pediatric Academic Society (PAS), April 2019, Baltimore, MD.

**Frank H**, Mulder H, Sriram K, Santanam K, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Dose Relationship of Physical Activity on Cardiometabolic Health in Young Adults. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Vinay Giri – Duke Hematologic Malignancies and Cellular Therapy

**Mentors:** Anthony Sung, MD and Nelson Chao, MD

**Program:** Completed Clinical Research Study Program

**Project Title:**

- Effects of In-Home Hematopoietic Stem Cell Transplantation on the Gut Microbiota
- The Effect of Daily CHG Bathing on Healthcare-associated Infection Acquisition

**Awards:**

- Eugene A. Stead Student Research Scholarship
- American Society of Hematology HONORS Award

**Presentations:**

**Giri VK**, Romero K, Dalton T, Shelby R, Nichols KR, Sung AD, Chao NJ. Feasibility of Home-Based Hematopoietic Stem Cell Transplantation. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Samuel Hofacker – Duke Nephrology

**Mentor:** Patrick Pun, MD

**Program:** Completed Clinical Research Study Program

**Project Title:**

- Patient, Facility and Geographic Factors Associated with Resuscitation Efforts in Outpatient Hemodialysis Clinics: An Analysis of the National Cardiac Arrest Registry to Enhance Survival Database
- Barriers and Facilitators to Performing CPR in Hemodialysis Clinics: A Qualitative Study

**Scholarship:**

- Rauch Family Merit Scholarship
- Kidney STARS Grant for Kidney Week Conference, American Society of Nephrology

**Presentations/Abstracts:**

**Hofacker SA**, Fish LJ, Falkovic MB, Pun PH. Barriers and Facilitators to Performing CPR in Hemodialysis Clinics: A Qualitative Study. National Kidney Foundation Spring Clinical Meetings May 2019, Boston, MA

**Hofacker SA**, Fish LJ, Falkovic MB, Pun PH. Barriers and Facilitators to Performing CPR in Hemodialysis Clinics: A Qualitative Study. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

**Submitted to/Awaiting Response from:**

**Hofacker SA**, Dupre ME, Vellano K, McNally B, Svetkey LP, Pun PH. Racial Differences Among Recipients of Staff-Initiated CPR in Outpatient Dialysis Clinics. American Society of Nephrology Kidney Week, November 2019, Washington, D.C.

## Colin Marts – Duke Cardiology

**Mentor:** Kevin Thomas, MD

**Program:** Completed Clinical Research Study Program

**Project Title:** Exploring Racial Differences in Aortic Valve Replacement among Blacks and Whites

**Publications:** Pending

## Ravyn Njagu - Duke Rheumatology

**Mentor:** Megan Clowse, MD

**Program:** Completed Clinical Research Training Program

**Project Title:** Impact of a Multi-Faceted Educational Program to Improve Provider Skills for Lupus Pregnancy Planning and Management: A Mixed Methods Approach

**Scholarship:** Rheumatology Research Foundation Medical and Graduate Student Preceptorship

### **Publications**

#### **Submitted:**

**Njagu R, Eudy A, Snyderman A, Criscione-Schreiber L, Clowse M.** Impact of a Multi-Faceted Educational Program to Improve Provider Skills for Lupus Pregnancy Planning and Management: A Mixed Methods Approach. *Arthritis Care and Research*.

#### **Presentations/Abstracts:**

**Njagu R, Eudy A, Snyderman A, Criscione-Schreiber L, Clowse M.** Impact of the HOP-STEP Program in Improving Provider Knowledge and Skills for Lupus Pregnancy Planning and Management. 13th International Congress on Systemic Lupus Erythematosus, March 2019, San Francisco, CA. Poster Presentation, *Lupus Science & Medicine* April 2019, 6(Supp1)A84;DOI:10.1136/lupus-2019-lsm.113

**Njagu R, Eudy A, Petri M, Gladman D, Urowitz M, Balevic S, Clowse M.** Effect of Lupus Nephritis on Pregnancy Outcomes in Systemic Lupus Erythematosus: An Individual Participant Meta-Analysis. 13th International Congress of Systemic Lupus Erythematosus. March 2019, San Francisco, CA, Poster Presentation. *Lupus Science & Medicine* 2016;6:doi: 10.1136/lupus-2019-lsm.140

**Njagu R, Eudy AM, Snydermann A, Criscione-Schreiber L, Slowse MEB.** Impact of the Healthy Outcomes in Pregnancy with SLE through Education of Providers (HOP-STEP) Program: A Mixed Methods Approach. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Cameron Olsen – Duke Cardiology

**Mentor:** Priyesh Patell, MD

**Program:** Completed Clinical Research Study Program

### **Publications**

#### **Submitted:**

**Olsen, CR, Mentz, RJ, Patel PA.** Machine Learning: A Focus on Heart Failure. *J Am Coll Cardiol HF*. June 2019

#### **Presentations/Abstracts:**



**Olsen CR**, Karra R, Mainsah BO, Collins LM, Patel PA. Acoustic Analysis of Left Ventricular Assist Devices. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## **Milton Pratt – Duke Pediatric Neurology**

**Mentor(s):** Mohamad Mikati, MD

**Program:** Completed Clinical Research Study Program

**Publications**

**In Progress:** Gastrointestinal Manifestations of Alternating Hemiplegia of Childhood, June 2019

**Abstracts/Posters:**

- Presented at the International Pediatric Association
- Presented at the American Academy of Neurology, April 2019, Philadelphia, PA

**Additional Coursework:**

Statistics course completed in the fall, currently completing a Medical Spanish course.

## **Emily Romanoff - Duke OB/GYN**

**Mentor:** Nazema Siddiqui, MD

**Program:** Completed Clinical Research Study Program

**Project Title:** ACCEPT: Assessing Colonization vs Clearance after Probiotics instillation

**Publications**

**In Progress:**

**Romanoff EL**, Huang Z, Feng L, Hazen K, Pieper C, Siddiqui NY. Assessing Colonization vs. Clearance after Probiotic instillation.

**Presentations/Abstracts:**

Presented at 2 Regional Conferences

**Romanoff EL**, Huang Z, Feng L, Siddiqui NY. KURe Multidisciplinary Benign Urology Research Day, March 2019, Duke University Medical Center, Durham, NC.

**Romanoff EL**, Huang Z, Fend L, Nazema S. ACCEPT (Assessing Colonization vs. Clearance after Probiotic instillation)-Bio-K Plus Probiotic Validation Study. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## **Heather Rosett- Duke Oncology**

**Mentor:** Thomas LeBlanc, MD

**Program:** Clinical Research Study Program

**Project Titles:**

- Real-World Experience with Missing Items in Electronic Patient Reported Outcomes in Clinical Care (Dr. LeBlanc)
- Integrating Electronic Patient Reported Outcomes into Clinical Workflows in the Epic Electronic Health Record (Dr. LeBlanc, DIHI)
- Readmissions Modeling Including Social Determinants of Health (DIHI)
- Duke Research Portal (Student lead initiative)
- Impact of Excessive Gestational Weight Gain in Obesity (Dr. Dotters-Katz)

**Scholarships:**

- Duke Institute for Health Innovation Scholar Program
- Robert M. Califf Clinical Research Travel Grant.

**Publications****Submitted:**

**Rosett H**, Locke S, Wolf S, Herring K, Samsa G, Troy J, LeBlanc T. Real-World Experience with Missing Items in Electronic Patient Reported Outcomes in Clinical Care: Don't Ask Me Irrelevant Questions. JCO Clinical Cancer Informatics. Submitted May 2019.

**In Progress:**

**Rosett H**, Siegel A, Tucker A, Gatta L, Mitchell C, Brown H, Reiff E, Dotters-Katz S. The Impact of Gestational Weight Gain Timing on Neonatal Outcomes in Women with Class III Obesity. American Journal of Perinatology

**Presentations/Abstracts:**

**Rosett H**, Herring K, Ratliff W, Koontz B, Zafar SY, LeBlanc T. Integrating Electronic Patient Reported Outcomes into Clinical Workflows in the Epic Electronic Health Record. Poster Presentation. AMIA Clinical Informatics Conference. May 30 – April 2, 2019. Atlanta, GA

**Rosett H**, Locke S, Wolf S, Herring K, Samsa G, Troy J, LeBlanc T. Handling Missing Items in Electronic Patient Reported Outcomes in Real-Time Clinical Care. Poster Presentation. MASCC 2019 Annual Meeting, June 21-23, 2019, San Francisco, CA.

**Rosett HA**, Locke SC, Wolf SP, Hering KW, Samsa GP, Troy JD, LeBlanc TW. Real-World Experience with Electronic Patient Reported Outcomes and Missing Items: Don't Ask Me Irrelevant Questions. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

**Submitted:**

**Rosett H**, Helmkamp J, Eriksson S, Rodriguez L. Duke Research Portal. Learners Leading Learners: The Student Programming Showcase. Presentation November 2019, Phoenix, AZ.

**Rosett H**, Helmkamp J, Simons M, Sendak M, Balu S, Kirk A, Mureebe L, Corey K. Readmissions Modeling Including Social Determinants of Health. Machine Learning for Healthcare. August 2019, Ann Arbor, MI.

**Sabina Sayeed- Duke Cardiology**

**Mentor:** Adrian Hernandez, MD

**Program:** Completed Clinical Research Study Program

**Project Title:**

- Comparison of PARAGON – HF Trial Population to Hospitalized Patients with Heart Failure with Preserved Ejection Fraction (HFpEF) in the GWTG –HF Registry.
- Return of Individual Research Result: What do Participants Want and Expect?
- Social Determinant of Health in Heart Failure.

**Award:** AHA Young Investigator's Database Seed Grant Award

**Publications**

**Submitted:**

**Sayed S**, Fudim M, DeVore A, Xu H, Matsouaka R, Heidenreich P, Yancy C, Fonarow G, Hernandez A. Representativeness of PARAGON-HF Clinical Trial Population in Patients Hospitalized with Heart Failure.

**In Progress:**

Fudim M, **Sayed S**, Xu H, Matsouaka R, Heidenreich P, Yancy C, Fonarow G, Velazquez, Hernandez A, DeVore A. Comparison of the PIONEER-HF Clinical Trial Population to Patients Hospitalized with Acute Decompensated Heart Failure.

**Sayed S**, Hernandez A. Social Determinants of Health in Heart Failure.

**Sayed S**, Califf R, Hernandez A, Mega J, Shore S, Patrick-Lake B, Green R, Shah S, Mahaffey K, Gambhir S, Kaylyn K, Wong CK, Wong CA. Return of Research Results: What do Participants Want and Expect?

**Presentations/Abstracts:**

**Sayed S**, Fudim M, Xu H, Matsouaka R, Heidenreich P, Yancy C, Fonarow G, Velazquez, Hernandez A, DeVore A. A Comparison of the PIONEER-HF Clinical Trial Population to Patients Hospitalized with Acute Decompensated Heart Failure. Submitted to Heart Failure Society of America Meeting, September 2019, Philadelphia, PA.

## Megan Smith – Duke OB/GYN

**Mentors:** Getta Swamy, MD and Sarahn Wheeler, MD

**Program:** Completed Clinical Research Study Program

**Project Title:** Demographic Representation in 17P Preterm Birth Prevention Studies: A Systematic Review

**Scholarship:** Duke Dean's Merit Full Tuition Scholarship

**Awards:** First Place 2019 North Carolina Ob/Gyn Society Annual Meeting Clinical/Basic Science Poster, April 2019

**Publications:**

**Smith M**, Swamy G, Wheeler S. Demographic Representation in 17P Preterm Birth Prevention Studies: A Systematic Review. In progress.

**Smith M**, Daifotis H, Denoble A, Dotters-Katz S. Using the New Definition of Intraamniotic Infection: Is There Morbidity in the Women Left Out? In progress.

Dafotis H, **Smith M**, Denoble A, Dotters-Katz S. Management of Intraamniotic Infection after

Spontaneous Vaginal Delivery: Is Nothing Really Enough? In progress.

Dafotis H., **Smith M**, Denoble A, Dotters-Katz S. Spiking in the Second Stage: The Significance of Isolated Maternal Fever During Labor. In Progress.

***Presentations/Abstracts:***

**Smith M**, Adewumi K, Swamy G, Wheeler S. Race Reporting in 17P Preterm Birth Prevention Studies: A Systematic Review. North Carolina Obstetrical and Gynecological Society's Annual Meeting. April 2019. Poster presentation.

**Smith M**, Daifotis H, Denoble A, Dotters-Katz, S. Using the New Definition of Intraamniotic Infection: Is There Morbidity in the Women Left Out? 2019 American College of Obstetricians and Gynecologists Annual Meeting. Nashville, TN. May 2019. Poster presentation. Abstract Published in Obstetrics and Gynecology, May, 2019.

**Smith M**, Daifotis H, Denoble A, Dotters-Katz S. Spiking in the Second Stage: The Significance of Isolated Maternal Fever During Labor. American College of Obstetricians and Gynecologists Annual Meeting. Nashville, TN. May 2019. Poster presentation. Abstract published in Obstetrics and Gynecology, May 2019.

Dafotis H, **Smith M**, Denoble A, Dotters-Katz, S. Management of Intraamniotic Infection after Spontaneous Vaginal Delivery: Is Nothing Really Enough? American College of Obstetricians and Gynecologists Annual Meeting. Nashville, TN. May 2019. Poster Presentation Co-Author.

Dafotis H, **Smith M**, Denoble, A, Dotters-Katz S. Spiking in the Second Stage: What are the Neonatal Implications? American College of Obstetricians and Gynecologists Annual Meeting. Nashville, TN. May 2019. Poster presentation – Co-Author.

**Smith M**, Biswas S, Kurtovic K, Hughes B. Improving Hypertension Management in Antepartum/Postpartum Patients at Duke University. Duke Institute for Healthcare Improvement Quality and Innovation Scholars Program Symposium. April 2019. Poster presentation.

**Smith M**, Swamy G, Wheeler S. Demographic Representation in 17-P Preterm Birth Prevention Studies: A Systematic Review. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## **Karishma Sriram - Duke Pediatrics**

***Mentor:*** Charlene Wong, MD

***Program:*** Completed Clinical Research Study Program

***Project Title:*** How Much is Enough? The association between Physical Activity and Cardiometabolic Health in Adolescents

***Publications***

***Submitted:***

**Sriram K**, Mulder H, Frank H, Santanam T, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents. Submitted

***Presentations/Abstracts:***

**Sriram K**, Mulder H, Frank H, Santanam T, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina

M, Wong C. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents. Oral Presentation at: Pediatric Academic Society; April 2019, Baltimore, Maryland.

**Sriram K**, Mulder H, Frank H, Santanam T, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents. Oral presentation at: Academic Pediatrics Association; February 2010, Charlottesville, Virginia.

**Sriram K**, Mulder H, Frank H, Santanam T, Skinner A, Perrin E, Armstrong S, Peterson E, Pencina M, Wong C. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents. Oral presentation and poster presentation at (identified as Top 5 abstract): Duke Department of Pediatrics Research Day, April 3, Durham, North Carolina.

**Sriram K**, Mulder H, Frank H, Santanam T, Skinner AC, Perrin EM, Armstrong SC, Peterson ED, Pencina M, Wong CA. How Much is Enough? The Association between Physical Activity and Cardiometabolic Health in Adolescents Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Luxi Wan – Duke Cardiology

**Mentor:** Robert Mentz, MD

**Program:** Completed Clinical Research Study Program

**Project Title:**

Patterns of Change in Quality of Life with a Palliative Care Intervention for Patients with Advanced Heart Failure: Insights from PAL-HF

**Medical School Contributions:** Served on Duke Clinical Research Undergraduate Experience Panel

**Publications**

**In Progress:**

Wan L, O'Connor CM, Stebbins A, Alhanti B, Samsky MD, Warraich HJ, Johnson KS, Anstrom KJ, Fiuzat M, Granger BB, Mark DB, Tulsy JA, Rogers JG, Mentz RJ. Patterns of Change in Quality of Life with a Palliative Care Intervention for Patients with Advanced Heart Failure: Insights from PAL-HF.

**Presentations/Abstracts:**

**Wan L**, O'Connor CM, Stebbins A, Alhanti B, Samsky MD, Warraich HJ, Johnson KS, Anstrom KJ, Fiuzat M, Granger BB, Mark DB, Tulsy JA, Rogers JG, Mentz RJ. Patterns of Change in Quality of Life with a Palliative Care Intervention for Patients with Advanced Heart Failure: Insights from PAL-HF, Submitted abstract for (upcoming): 2019 Heart Failure Society of America Annual Scientific Meeting, September 2019, Philadelphia, PA

**Wan L**, Mentz RJ. Patterns of Change in Quality of Life with a Palliative Care Intervention for Patients with Advanced Heart Failure: Insights from PAL-HF. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Allen Wang - Duke Cardiology

**Mentor:** Jonathan Piccini, MD

**Program:** Clinical Research Study Program

**Project Title:** Catheter Ablation Outcomes among Patients with Diabetes Mellitus

**Medical School Contributions:** Student Faculty with Clinical Skills Foundation I Course

**Publications:**

**Wang A**, Green JB, Halperin JL, Piccini JP. Atrial Fibrillation and Diabetes Mellitus: JACC Review Topic of the Week. J Am Coll Cardiol 2019;74(8):1107-1115.

**Submitted:**

Ugowe FE, Hellkamp AS, **Wang A**, Patel MR, Piccini JP, and the ROCKET AF Steering Committee and Investigators. Pharmacotherapy for Diabetes and Stroke Risk: Results from ROCKET-AF.

**In Progress:**

**Wang A**, Truong T, Green CL, Black-Maier E, Piccini JP. Catheter Ablation of Atrial Fibrillation among Patients with Diabetes Mellitus.

**Presentations/Abstracts:**

**Wang A**, Truong T, Green CL, Black-Maier E, Piccini JP. Catheter Ablation of Atrial Fibrillation in Patients with Diabetes Mellitus. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.

## Qi Yu – National University of Singapore

**Mentor(s):** Tan Kok Hain, MBBS, MBA, MMed

**Program:** Clinical Research Study Program

**Scholarship:** Duke-Singapore Student Scholar Fellowship

**Project Title:** Continuous Glucose Monitoring in Pregnancy

**Publications:**

Li LJ, **YU Q**, IPRAMHO-INTERNATIONAL Study Group, Tan KH. Clinical Practice of Diabetic Pregnancy Screening in Asia-Pacific Countries: A Survey Review. Acta Diabetol 2019;56(7):815-817.

**Presentations:**

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