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:**


**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:**


**Presentations/Abstracts:**


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:

In Progress:


Presentations/Abstracts:

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


### 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 Transjugular 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:**

**Submitted:**

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:**


**Presentations/Abstracts:**


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.

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**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:


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


Poster Presentations:


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:**

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**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:**

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**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:

Presentations/Abstracts:


Cameron Olsen – Duke Cardiology

Mentor: Priyesh Patell, MD

Program: Completed Clinical Research Study Program

Publications Submitted:

Presentations/Abstracts:

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:*

**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.


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 Heath Innovation Scholar Program
- Robert M. Califf Clinical Research Travel Grant.

**Publications Submitted:**

**In Progress:**

**Presentations/Abstracts:**


**Submitted:**

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**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 (HfPfEF) 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:

In Progress:

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


Presentations/Abstracts:

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:


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


**Presentations/Abstracts:**


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**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:**


**Presentations/Abstracts:**


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, Tulsky 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, Tulsky 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:**  
**Submitted:**  
**In Progress:**  
**Presentations/Abstracts:**  

Qi Yu – National University of Singapore

**Mentor(s):** Tan Kok Hain, MBBS, MBA, MMed  
**Program:** Clinical Research Study Program  
**Scholarship:** Duke-Singapore Student Scholar Fellowships  
**Project Title:** Continuous Glucose Monitoring in Pregnancy  
**Publications:**  
**Presentations:**  
Yu Q, Li Ling-Jun, Tan KH. Continuous Glucose Monitoring (CGM) and Ambulatory Glucose Profile (AGP) Analysis during the First Trimester of Pregnancy. Duke University School of Medicine Alpha Omega Alpha Society Student Research Day, August 2019, Durham, NC.