

# Pediatric Center of Excellence in Nephrology

Summer Scholars Alumni



Children's Hospital  
of Philadelphia®  
RESEARCH INSTITUTE

## **2021 ALUMNI**

**3**

Kiarra Mouzon

3

Syed Waseem

3

Maya Abdel-Megid

4

Mathew Lin

4

Miahjé Williams

4

Joya Sims

5

## **2020 ALUMNI**

**5**

Lauren Andree

5

Ra'Ann Merceir

5

Rachael E. Odusanya

6

Joya Sims

6

## **2019 ALUMNI**

**6**

Lindsay Fleischer

6

Brianna Heintzelman

7

Zoey Tweh

7

## **2018 ALUMNI**

**7**

Tamika Queen

7

Simisola Afolayan

8

# 2021 ALUMNI

## Kiarra Mouzon

2021 Alumni

**Mentor Name:** Sandra Amaral, MD, MHS

**Current Education:** MD Candidate at Drexel University College of Medicine (Class of 2024)

**Previous Education:** BS in Integrative Neuroscience at SUNY Binghamton (Class of 2017)  
Master's in Biomedical studies at Drexel College of Medicine Graduate School of Biomedical Sciences and Professional Studies (Class of 2019)

**Summer Scholars Project Title:** Examining the Risk Factors of Pseudotumor Cerebri Syndrome (PTCS) among Pediatric Kidney Transplant Recipients

**Summer Scholars Project Description:** The aim of this study is to analyze the risk profiles of pediatric kidney transplant patients who have developed pseudotumor cerebri post renal transplant.

## Syed Waseem

2021 Alumni

**Mentor Name:** Kevin Meyers, MD

**Current Education:** Rising Senior at Temple University studying: Neuroscience: Cellular and Molecular, BS, Mathematics and Computer Science, BS, Chemistry, Minor, Genomic Medicine

**Summer Scholars Project Title:** Neurological manifestations in children with fibromuscular dysplasia (FMD) associated renal artery stenosis (RAS)

**Summer Scholars Project Description:** Fibromuscular dysplasia (FMD) is a non-inflammatory disorder that may present in multiple arterial beds including the renal arteries. The causes of FMD are yet unknown and it has rarely been described in the venous system. The most frequent manifestation of FMD in children is the involvement of the renal arteries. However, very little is known in children about the association between renal artery FMD and neurological involvement or manifestations. This disease is the most common cause of renovascular hypertension (RVHTN) in children and adolescents. Our study seeks to complete a systematic literature review and complete a thorough analysis of children presenting with FMD associated RAS and its correlation with arterial lesions in the head and neck area. With the Children's Hospital of Philadelphia being the largest pediatric contributor to the national FMD associated RAS database, our study has the potential to be the most comprehensive of its kind. The findings and knowledge will only help to create a better care and diagnosis protocol for those pediatric patients presenting with such a rare disease.

## Maya Abdel-Megid

2021 Alumni

**Mentor Names:** Michelle R. Denburg, MD, MSCE and Benjamin Laskin, MD

**Current Education:** University of Pennsylvania, BA in Health and Societies

**Previous Education:** Academy of Allied Health and Science

**Summer Scholars Project Title:** Kidney Disease in Long Term Survivors of Childhood Cancer

**Summer Scholars Project Description:** I am working with Dr. Denburg and Dr. Laskin in this project to assess Kidney Disease in Long-Term Survivors of Childhood Cancer. Survivors of childhood cancer are predisposed to developing health problems later in life. Damage done to the kidneys are most likely due to the nephrotoxic nature of the cancer therapies they received when they were children. We are carrying out a retrospective study on children who have been diagnosed with cancer and have been following up for the past 7 years with the oncology survivorship clinic. Specifically, we are charting ABPM data and identifying the percentage of patients in the survivorship clinic who developed cysts post treatment to assess the risk of kidney disease in long-term survivors of childhood cancer.

## Mathew Lin

2021 Alumni

**Mentor Name:** Erum Hartung, MD, MTR

**Current Education:** BS Candidate in Human Development and Minor in English at Cornell University (Class of 2023)

**Summer Scholars Project Title:** Cardiovascular Outcomes in Patients with Autosomal Recessive Polycystic Kidney Disease (ARPKD)

**Summer Scholars Project Description:** This study aims to investigate the relationship between blood pressure, kidney function and incidence of left ventricular hypertrophy in patients who have ARPKD.

## Miahjé Williams

2021 Alumni

**Mentor Name:** Meredith Atkinson, MD, MHS

**Current Education:** BS Candidate in Health Science at Howard University

**Summer Scholars Project Title:** Association Between Vitamin D and Blood Pressure in the CKiD Cohort

## Joya Sims

2021 Alumni

**Mentor Names:** Susan Furth, MD, PhD (co-mentored by Erum Hartung, MD, MTR)

**Current Education:** BS Candidate in Mathematics at Spelman College (Class of 2022)

**Summer Scholars Project Title:** Socioeconomic Demographic Characteristics Can Influence Effective Patient-Provider Communication

**Summer Scholars Project Description:** This study aims to evaluate how the perception of communication between children in the Chronic Kidney Disease in Children (CKiD) study and their healthcare providers differ among the children's racial, ethnic, and socioeconomic backgrounds.

## 2020 ALUMNI

### Lauren Andree

2020 Alumni

**Mentor Names:** Susan Furth, MD, PhD and Natalie Walker, MSW, LSW

**Current Education:** MD Candidate at Drexel University College of Medicine (Class of 2023)

**Previous Education:** BS in Biomolecular Science from the University of Michigan, Ann Arbor (Class of 2018)

**Summer Scholars Project Title:** Socioeconomic Factors Associated with Diet Quality in Pediatric CKD Patients

**Summer Scholars Project Description:** This study aims to assess the association between socioeconomic factors such as income, race, ethnicity, and residence location with food quality in pediatric CKD patients and evaluate food quality and intake as a risk factor of pediatric CKD progression.

### Ra'Ann Merceir

2020 Alumni

**Mentor Name:** Erum Hartung, MD, MTR

**Current Education:** BS Candidate in Public Health at Temple University (Class of 2021)

**Summer Scholars Project Title:** Multi-parametric MRI and contrast-enhanced ultrasound (CEUS) evaluation of kidney transplant

**Summer Scholars Project Description:** This study aims to detect kidney transplant complications through imaging methods such as MRI and contrast-enhanced ultrasound.

## Rachael E. Odusanya

2020 Alumni

**Mentor Name:** Michelle R. Denburg, MD, MSCE

**Current Education:** MD/MAUB Dual Degree Candidate at Lewis Katz School of Medicine, Temple University (Class of 2023)

**Previous Education:** BS in Biological Sciences from Brandeis University (Class of 2017)

**Summer Scholars Project Title:** Patient-Reported Outcomes in Glomerular Disease: Focus on the Musculoskeletal System (PROGRESS) Study

**Summer Scholars Project Description:** The study aims to determine the burden of patient-reported musculoskeletal complications among children and young adults with glomerular disease. As well as assess patient-reported measures of physical function and pain interference in children and young adults with glomerular disease.

## Joya Sims

2020 Alumni

**Mentor Names:** Susan Furth, MD, PhD and Natalie Walker, MSW, LSW

**Current Education:** BS Candidate in Mathematics at Spelman College (Class of 2022)

**Summer Scholars Project Title:** Social determinants of health in children with chronic kidney disease (CKD) in the CKiD cohort study

**Summer Scholars Project Description:** This study aims to assess the association between socioeconomic factors with differences in perceptions of patient-provider communication in pediatric CKD patients.

## 2019 ALUMNI

### Lindsay Fleischer

2019 Alumni

**Mentor Name:** Erum Hartung, MD, MTR

**Current Education:** MD Candidate at Cooper Medical School, Rowan University (Class of 2022)

**Previous Education:** BS in Biomolecular Science, University of Michigan, Ann Arbor (Class of 2018)

**Summer Scholars Project Title:** Novel Biomarkers in Autosomal Recessive Polycystic Kidney Disease (ARPKD) (Part of Novel Imaging Techniques in ARPKD)

**Summer Scholars Project Description:** The study seeks to assess how serum levels of Galectin 3 (Gal 3) and Intestinal Fatty Acid Binding Protein (I-FABP) are related to ARPKD renal and hepatic disease severity respectively.

## Brianna Heintzelman

2019 Alumni

**Mentor Name:** Erum Hartung, MD, MTR

**Current Education:** BS/MS Dual Degree Candidate in Biomedical Engineering at Drexel University (Class of 2023)

**Summer Scholars Project Title:** Diffusion weighted imaging of the kidneys in healthy controls and patients with Autosomal Recessive Polycystic Kidney disease.

**Summer Scholars Project Description:** This study aims to develop new imaging biomarkers of kidney disease progression in ARPKD.

## Zoey Tweh

2019 Alumni

**Mentor Names:** Susan Furth, MD, PhD and Natalie Walker, MSW, LSW

**Current Education:** Psychology Major and African Diaspora Minor at Spelman College

**Summer Scholars Project Title:** Prevalence of Exercise in the lives of Children with CKiD

**Summer Scholars Project Description:** This study aims to assess an adolescent's hypertension levels alongside their involvement in physical activities and the economic standing of the neighborhood they live in. With these factors the goal is to identify what different populations are engaging in consistent exercise and how this is or isn't impacting the blood pressure.

## 2018 ALUMNI

### Tamika Queen

2018 Alumni

**Mentor Name:** Sandra Amaral, MD, MHS

**Current Education:** MD Candidate at Lewis Katz School of Medicine, Temple University (Class of 2021)

**Summer Scholars Project Title:** Risk Factors and Malignancy Outcomes among Pediatric Solid Organ Transplant Recipients

**Summer Scholars Project Description:** This is a retrospective cohort study being conducted via chart review to characterize cancer incidence and type among pediatric solid organ transplant recipients at CHOP and to identify risk factors associated with malignancy development in these patients.

# Simisola Afolayan

2018 Alumni

**Mentor Name:** Daniella Levy Erez, MD

**Current Education:** Bachelor of Science, University of Pennsylvania

**Summer Scholars Project Title:** Urine biomarkers for acute kidney injury in pediatric cardiac surgery patients