

JHU/NIH Pediatric Hematology Oncology Fellows Research Synopsis

Second Year Fellows

Josiah Ballantine, MD

Mentor: John Tisdale, MD (National Heart, Lung, and Blood Institute, NIH)

Project: In vivo gene therapy for sickle cell disease

Marti Goldenberg, DO

Mentor: Lydia Pecker, MD, MHS (Hematology, JHU)

Project: Investigating Outcomes and Late Effects of Curative Therapies in Patients with Sickle Cell Disease

Sarah W. Peters, MD

Mentor: Pamela Wolters, PhD (Pediatric Oncology Branch, NCI)

Project: Project: Investigation of Longitudinal Patient-Reported Outcomes in Patients with Neuroendocrine Neoplasms and Other Rare Tumors

Rebecca Whitmire, MD, MPH

Mentor: Staci Martin Peron, PhD (Pediatric Oncology Branch, NCI)

Project: Identifying and addressing barriers to diverse pediatric oncology clinical trial enrollment and participation.

Megan Zinsky, MD

Mentors: Challice Bonifant MD, PhD and Michael Koldobskiy MD, PhD (Pediatric Oncology JHU)

Project: Defining the epigenetics of NK cells to improve treatment of Acute Myeloid Leukemia

Third Year Fellows

Urania Dagalakis, MD

Mentor: Brigitte Widemann, MD (Pediatric Oncology Branch, NCI)

Project: Investigate the plasma and CSF pharmacokinetics as well as CSF penetration of c-MET tyrosine kinase inhibitor APL-101 in non-human primates

Margarita Dionysiou, MD

Mentor: Mentor: Kenneth Cooke, MD (Pediatric Oncology, JHU)

Project: Investigate the impact of miR-21 deletion on GVHD severity and GVT activity following allo-BMT.

Juan Carlos Fierro, MD

Mentor: Brigitte Widemann, MD & John Glod, MD, PhD (Pediatric Oncology Branch, NCI)

Project: Tumor Immunology and Immunotherapy

Jackie Queen, MD, MPH

Mentor: Courtney Fitzhugh, MD (National Heart, Lung, and Blood Institute, NIH)

Project: Determine the ability of Ferumoxytol as a contrast agent to detect diffuse myocardial fibrosis using cardiac MRI to measure extracellular volume in patients with Sickle Cell Disease

Julia Segal, MD

Mentor: Rosandra Kaplan, MD (Pediatric Oncology Branch, NCI)

Project: Characterizing the tumor microenvironment and immunotherapeutic targets in solid tumors.

Wilson Andres Vasconez, MD

Mentor: Courtney Fitzhugh (Pediatric Oncology Branch, NCI)

Project: Clonal hematopoiesis after hematopoietic stem cell transplantation in Sickle Cell Disease

Fourth Year Fellows

James Cronk, MD PhD

Mentor: Rosie Kaplan, MD (Pediatric Oncology Branch, NCI)

Project: Origin, function and potential for reprogramming of CNS tumor associated macrophages

Victoria Giordani, MD

Mentor: Naomi Taylor, PhD (Pediatric Oncology Branch, NCI)

Project: Mapping immunotherapeutic outcomes of CAR-T constructs through CyTOF high dimensional profiling

Sarah Watt, MD

Mentor: Kenneth Cooke, MD (Pediatric Oncology)

Project: Optimizing graft-vs.-tumor activity following allogenic BMT with PT/Cy and anti-PD1 therapy

Abdul Zakieh, MD

Mentor: Evan Bloch, MBChB, MS (Pathology/Transfusion Medicine, JHU)

Project: Indications and outcomes for pediatric sickle cell patients receiving chronic transfusion therapy