



Supported by an independent medical educational grant from Takeda

HTRS 2020 Mentored Research Award Recipient



Clay T. Cohen, MD, Instructor

Texas Children's Hospital

Mentor: Joel Moake, MD

Project Title: "Involvement of endothelial cells in human coagulation in vitro"

Dr. Clay Cohen is a Pediatric Hematologist at Texas Children's Hospital Cancer and Hematology Center/Baylor College of Medicine. He attended the University of Texas-Houston School of Medicine and received his pediatric training at Children's of Alabama/University of Alabama at Birmingham, where he also served a year following residency as a Chief Pediatric Resident. Dr. Cohen received his Pediatric Hematology and Oncology fellowship training at Texas Children's Hospital. During his training he developed a passion for Pediatric Hematology with a focus on Hemostasis and Thrombosis. Dr. Cohen joined Dr. Joel Moake's laboratory during his fellowship at Rice University and developed his research project, investigating the role of the vascular wall in coagulation. Following the completion of his fellowship in 2018, Dr. Cohen has remained at Texas Children's as a faculty member, where he is an active member of the Hemostasis and Thrombosis clinical team and is continuing his basic research with Dr. Moake. To date, his research project has demonstrated that human endothelial cells and fibroblasts produce the coagulation proteins necessary for factor X activation, and that coagulation reactions occur on human endothelial cell surfaces without the addition of external coagulation proteins or phospholipids.