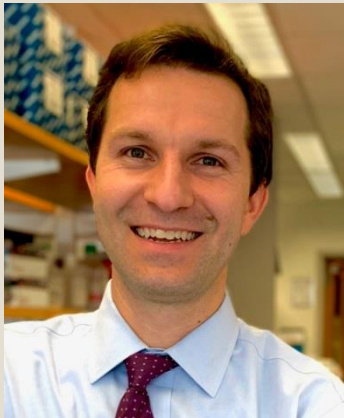




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HTRS 2019 Mentored Research Award Recipient



Alec A. Schmaier, MD, PhD

Fellow, Cardiovascular Medicine

Brigham and Women's Hospital and Beth Israel Deaconess Medical Center

Mentor: Samir Parikh, MD

Co-Mentor: Robert Flaumenhaft, MD

Project Title: "Endothelial susceptibility to thrombosis via autophagy and phosphatidylserine"

Dr. Alec Schmaier is a cardiology fellow at Brigham and Women's Hospital where he also completed subspecialty training in Vascular Medicine. He obtained his MD and PhD degrees at the University of Pennsylvania, where his PhD thesis investigated collagen-induced platelet activation via the GPVI receptor and the comparative biology of avian thrombocytes versus mammalian platelets with respect to thrombus formation under arterial shear. Dr. Schmaier subsequently completed internal medicine residency training at the Hospital of the University of Pennsylvania. He is now under the mentorship of Drs. Samir Parikh and Robert Flaumenhaft at Beth Israel Deaconess Medical Center and Harvard Medical School. Dr. Schmaier is interested in how age-related endothelial dysfunction predisposes to thrombotic disease. His research focuses on endothelial phosphatidylserine externalization and how it is regulated by autophagy and Tie2-angiopoietin signaling, two processes that are implicated in the vascular dysfunction of aging.