



HTRS 2021 Student Research Award Recipient



Madelaine Duarte

Campbell University School of Osteopathic Medicine

Mentor: Grace Lee, MD | Duke University Medical Center

Project Title: “Neutrophil activation responses to platelet factor 4/heparin immune complexes”

Madelaine Duarte graduated from Assumption University and is currently a first-year medical student at Campbell University School of Osteopathic Medicine. She is the President of the Women in Medicine club and volunteers as a laboratory technician at the Campbell University Community Care Clinic, which offers healthcare to the uninsured in the area. Before going to medical school, Madelaine worked in Dr. Grace Lee’s lab at Duke University, performing translational research centered around heparin-induced thrombocytopenia (HIT), neutrophil activation by immune complexes, and developing a functional assay for

HIT. With the HTRS 2021 Student Research Award, Madelaine will return to the Lee lab to continue her work studying the heterogeneous neutrophil responses to HIT immune complexes in relation to neutrophil extracellular trap (NET) formation. She will also determine if there is a possible genetic determinant that defines the neutrophil response.