

2026-27 MSTP Students by Year in Program

M1

[Daniel Hanuska](#)
[Liyu Huang](#)
[Ji-Mi Jang](#)
[Balazs Kaszala](#)
[Kevin Li](#)
[Matthew Li](#)
[Kassia Love](#)
[Daniella Obidi](#)
[Vrishabhadev \(Vrishab\)](#)
[Sathish Kumar](#)
[Van Riel, Julia](#)
[Vilchez, Lucia](#)
[Zou, Henry](#)

M2

[Aditya Ailiani](#)
[Brandon Clark](#)
[Mayu Fukuda](#)
[Bilal Hamid](#)
[Benjamin Huang](#)
[Spenser Johnson](#)
[David Koo](#)
[Sophia Korotev](#)
[Yifan Liao](#)
[Torsten Ullrich](#)
[Nikhil Vijai](#)
[Princeton Zhong](#)
[Jedidiah \(Jed\) Zhu](#)

G1

[Hamza Dahshi](#)
[Yunsun \(Sunny\) Eoh](#)
[Sophia Gavalas](#)
[Skyler Hoang](#)
[Joyce Kim](#)
[Alexander Levashkevich](#)
[Matthew Liu](#)
[Uyen Mai](#)
[Bryce Mashimo](#)
[Tommy Nguyen](#)
[Scout Osborne](#)
[Tzu-Ni \(Mini\) Sin](#)

G2

[Gustavo Borjas](#)
[Juliana Condoleo](#)
[Mahip Kalra](#)
[Alice Liu](#)
[Zachary Player](#)
[Jacob Smothers](#)
[Danielle Streever](#)
[Mahmoud Summers](#)
[Sofiya Vyshnya](#)
[Patrick Zhuang](#)

G3

[Anuoluwapo Ajao](#)
[Emily Blaum](#)
[Salvatore \(Sonny\)](#)
[Caradonna](#)
[Andy Chen](#)
[Laura Chen](#)
[Alexander Crane](#)
[Alexander Foden](#)
[Benjamin Hauk](#)
[Inga Hwang](#)
[Kayla Klatt](#)
[Victor Pastrana-Gómez](#)
[Iris Peng](#)
[Javier Urcuyo Acevedo](#)
[David Yan](#)

G4+

[Corynn Appolonia](#)
[Henock Befekadu](#)
[Sofia Corella](#)
[Indrani Das](#)
[Himanshu Dashora](#)
[Katherine Dominic](#)
[Claire Fritz](#)
[Jacob Ingber](#)
[Paul Karell](#)
[Hans Leier](#)
[Christina MacAskill](#)
[Marc Scemama de](#)
[Gialluly](#)

G4+ continued

[Brendan Sheehan](#)
[Paulameena Shultes](#)
[Ying Xiong](#)
[Jeehyun Karen You](#)
[Hannah Zamore](#)

M3

[Bijoya \(Bijou\) Basu](#)
[Diana Chin](#)
[Daniel Feinberg](#)
[Natalie Hong](#)
[Rupleen Kaur](#)
[Emily Klemm](#)
[Thomas Lavin](#)
[Katherine Letai](#)
[Kevin Newhall](#)
[Michelle Pan](#)
[Joseph Schindler](#)
[Perna Singh](#)
[Kyle Starost](#)
[Stephen Wang](#)
[Douglas Wu](#)

M4

[Sarah Barker](#)
[Melissa Bonner](#)
[Brendan Boylan](#)
[Syrena Bracey](#)
[Razaq Durodoye](#)
[Zachary Grimmett](#)
[Natasha Ingles](#)
[Brian Kim](#)
[Erik Koritzinsky](#)
[Alexander Lesser](#)
[Jennings Luu](#)
[Benjamin Mittman](#)
[Meghan O'Keefe](#)
[Vanessa Salazar](#)
[Josephine Trichka](#)
[Sabrina Wang](#)
[William Wulfange](#)
[Jesse Zhan](#)
[Walter Zhao](#)

M1

Photo coming soon!

Daniel Hanuska

MSTP Year: M1
Email: djh231@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: The City University of New York –
Hunter College

Liyu Huang

MSTP Year: M1
Email: lxh662@case.edu

Photo coming soon!

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Vanderbilt University

Photo coming soon!

Ji-Mi Jang

MSTP Year: M1

Email: jj919@case.edu

MSTP AD:

Mentor: Undecided

PhD Program: Undecided

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Rochester

Photo coming soon!

Balazs Kaszala

MSTP Year: M1

Email: bkk50@case.edu

MSTP AD:

Mentor: Undecided

PhD Program: Undecided

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Georgia Institute of Technology

Photo coming soon!

Kevin Li

MSTP Year: M1
Email: kjl109@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles

Photo coming soon!

Matthew Li

MSTP Year: M1
Email: mxl1695@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles

Kassia Love

Photo coming soon!

MSTP Year: M1
Email: kkl61@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Harvard University

Daniella Obidi

Photo coming soon!

MSTP Year: M1
Email: dxo153@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Maryland –
Baltimore County

Vrishabhadev (Vrishab) Sathish Kumar

Photo coming soon!

MSTP Year: M1
Email: vx330@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Washington

Julia Van Riel

Photo coming soon!

MSTP Year: M1
Email: jav126@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Barnard College

Photo coming soon!

Lucia Vilchez

MSTP Year: M1
Email: djh231@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Fordham University

Photo coming soon!

Henry Zou

MSTP Year: M1
Email: hmz21@case.edu

MSTP AD:
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Pittsburgh

M2



Aditya Ailiani

MSTP Year: M2
Email: ara93@case.edu

MSTP AD: Chris Flask
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Sarcomere-modifying therapies for heart failure

Undergrad: University of Wisconsin – Madison



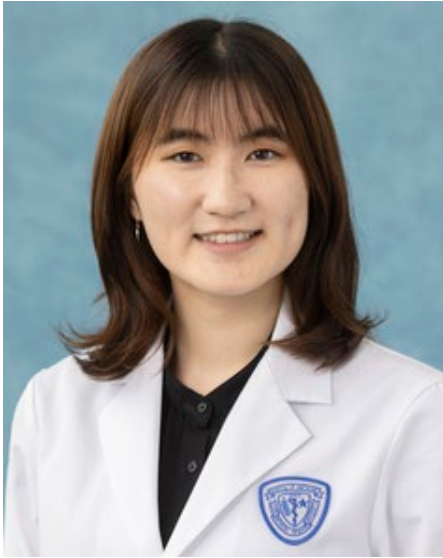
Brandon Clark

MSTP Year: M2
Email: bjc160@case.edu

MSTP AD: Andrew Pieper
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Dayton



Mayu Fukuda

MSTP Year: M2

Email: mx595@case.edu

MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: The Ohio State University – Main



Bilal Hamid

MSTP Year: M2

Email: bx538@case.edu

MSTP AD: Agata Exner

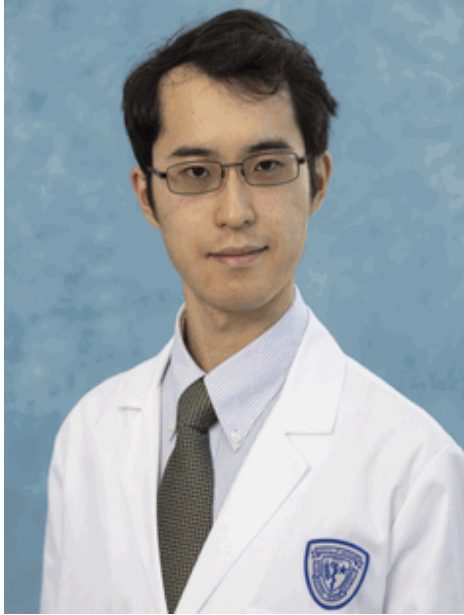
Mentor: Undecided

PhD Program: Undecided

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles



Benjamin Huang

MSTP Year: M2

Email: bxh510@case.edu

MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Biomedical Engineering

Thesis Committee Representative: Undecided

Research Topic: Neural recording and stimulation, prosthetics, point-of-care diagnostics

Undergrad: Johns Hopkins University



Spenser Johnson

MSTP Year: M2

Email: sxj975@case.edu

MSTP AD: Andrew Pieper

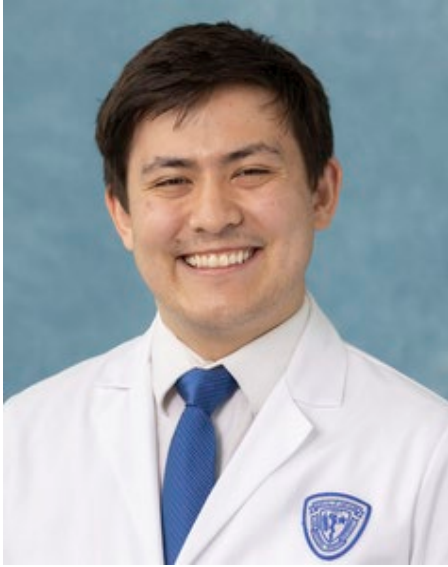
Mentor: Undecided

PhD Program: Undecided

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Iowa



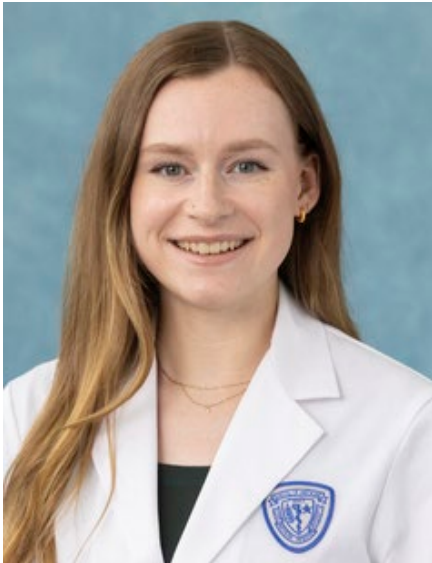
David Koo

MSTP Year: M2
Email: dak216@case.edu

MSTP AD: Heather Broihier
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Boston College



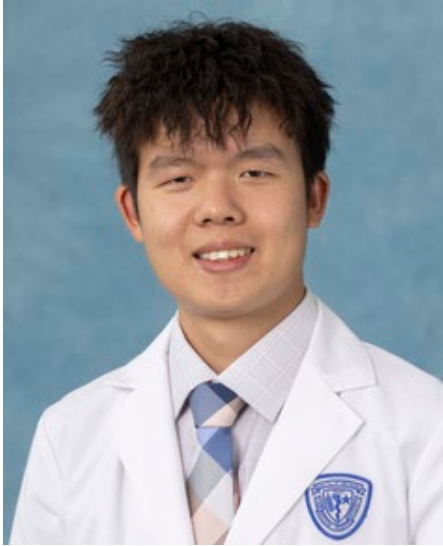
Sophia Korotev

MSTP Year: M2
Email: sck73@case.edu

MSTP AD: Arne Rietsch
Mentor: Alex Huang
PhD Program: Cell Biology
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Chicago



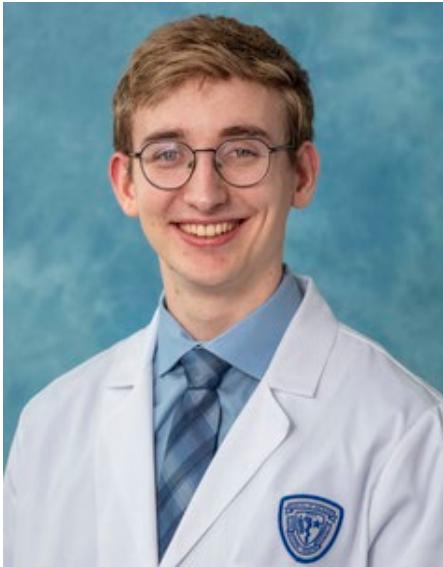
Yifan Liao

MSTP Year: M2
Email: yxl3849@case.edu

MSTP AD: Arne Rietsch
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Northwestern University



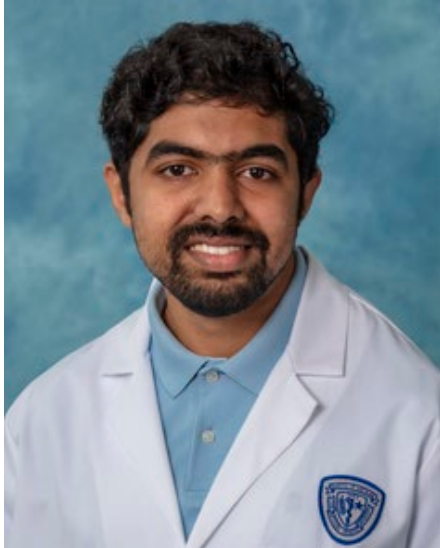
Torsten Ullrich

MSTP Year: M2
Email: tru3@case.edu

MSTP AD: Heather Broihier
Mentor: Britton Sauerbrei
PhD Program: Neurosciences
Thesis Committee Representative: Undecided

Research Topic: Pathological population neural dynamics

Undergrad: Brown University



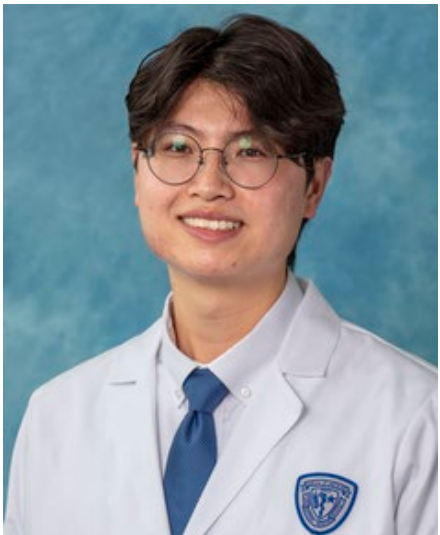
Nikhil Vijai

MSTP Year: M2
Email: nxv130@case.edu

MSTP AD: Chris Flask
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Notre Dame



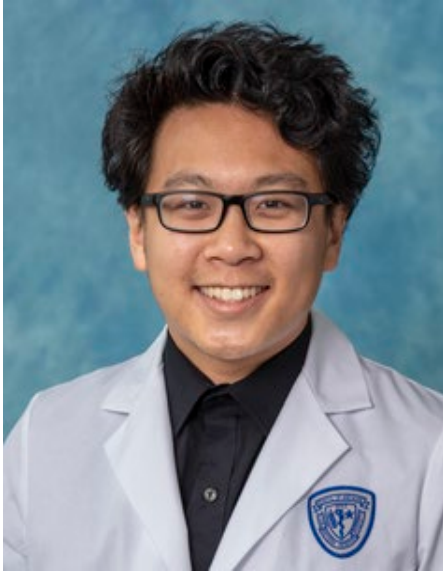
Princeton Zhong

MSTP Year: M2
Email: pxz246@case.edu

MSTP AD: Agata Exner
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of California - Davis



Jedidiah (Jed) Zhu

MSTP Year: M2
Email: jzz18@case.edu

MSTP AD: Chris Flask
Mentor: Undecided
PhD Program: Undecided
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Emory University

G1



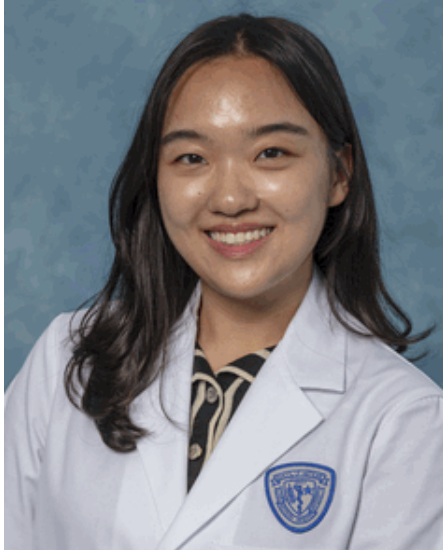
Hamza Dahshi

MSTP Year: G1
Email: hxd327@case.edu

MSTP AD: Arne Rietsch
Mentor: Laura Nagy
PhD Program: Systems Biology & Bioinformatics
Thesis Committee Representative: Undecided

Research Topic: Urinary proteomics in patients with severe alcoholic hepatitis

Undergrad: University of Texas at Dallas



Yunsun (Sunny) Eoh

MSTP Year: G1

Email: yxe39@case.edu

MSTP AD: Heather Broihier

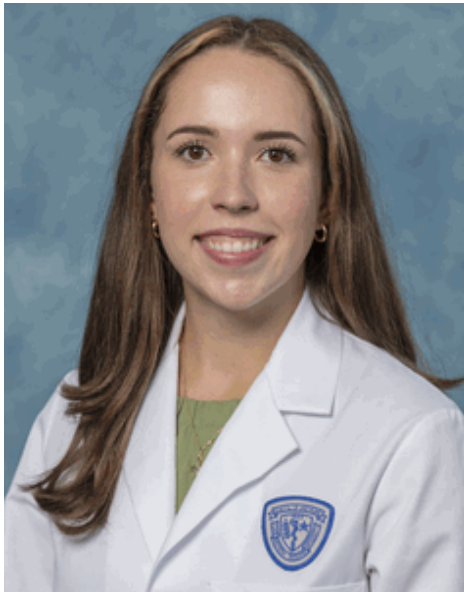
Mentor: Marissa Scavuzzo

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Southern California



Sophia Gavalas

MSTP Year: G1

Email: stg57@case.edu

MSTP AD: Andrew Pieper

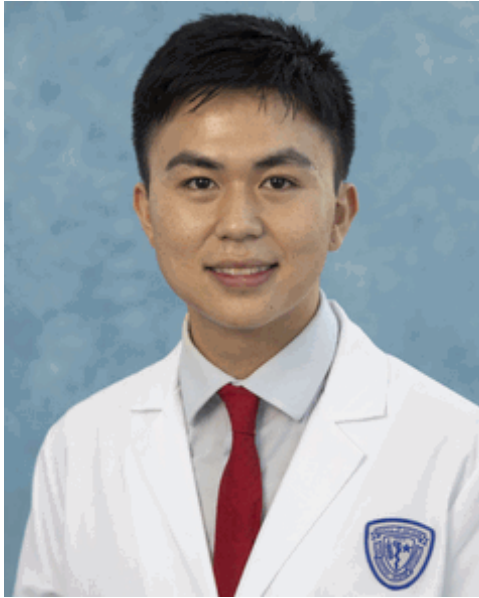
Mentor: Parameswaran Ramakrishnan

PhD Program: Molecular Biology & Microbiology

Thesis Committee Representative: Undecided

Research Topic: Investigating the role of the hexosamine biosynthetic pathway and the post-translational modification, O-GlcNAcylation, in acute myeloid leukemia

Undergrad: University of Georgia



Skyler Hoang

MSTP Year: G1

Email: hhh38@case.edu

MSTP AD: Agata Exner

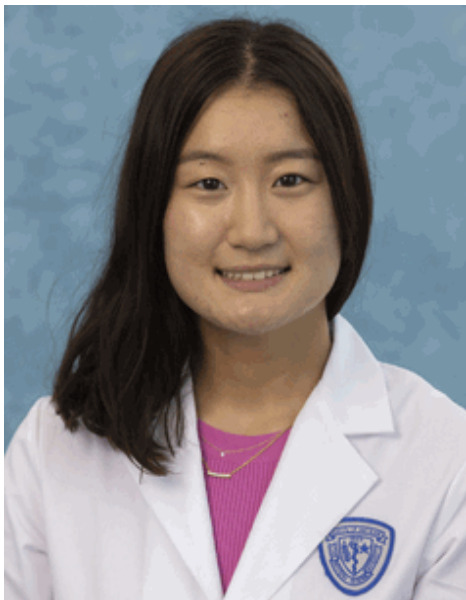
Mentor: Sudha Iyengar

PhD Program: Systems Biology & Bioinformatics

Thesis Committee Representative: Catherine Stein

Research Topic: Retrotransposon variation and its role in complex disease: leveraging long-read sequencing, pangenome approaches, and biobank-scale data to characterize mobile element insertions, link them to disease-relevant phenotypes, and define their functional consequences through transcriptomic integration

Undergrad: Rutgers University – New Brunswick



Joyce Kim

MSTP Year: G1

Email: jhk164@case.edu

MSTP AD: Agata Exner

Mentor: Marilia Cascalho

PhD Program: Pharmacology

Thesis Committee Representative: David Wald

Research Topic: Undecided

Undergrad: Claremont McKenna College



Alexander Levashkevich

MSTP Year: G1

Email: aal127@case.edu

MSTP AD: Chris Flask

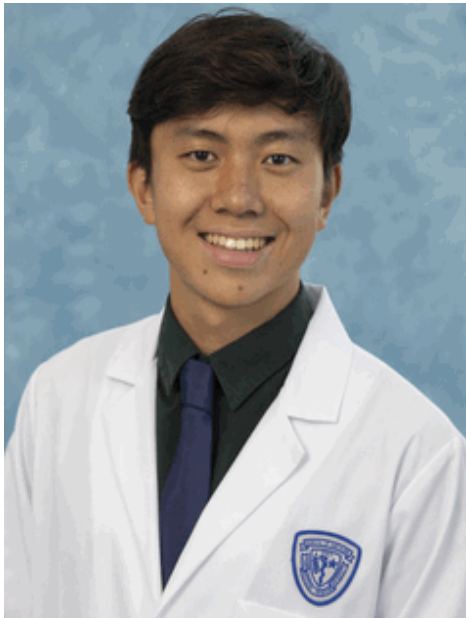
Mentor: Yan Li

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Michigan – Ann Arbor



Matthew Liu

MSTP Year: G1

Email: mhl104@case.edu

MSTP AD: Heather Broihier

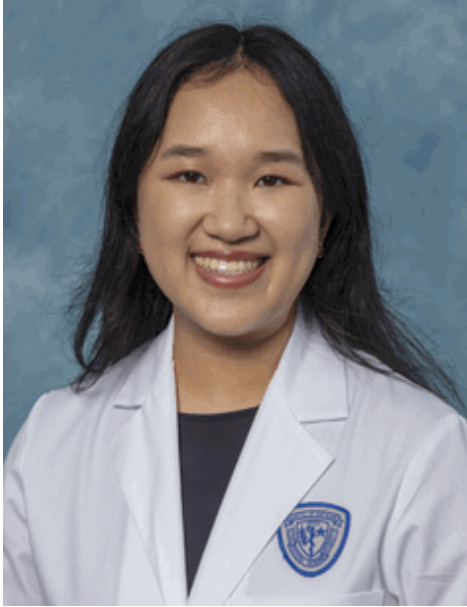
Mentor: William Bush

PhD Program: Systems Biology & Bioinformatics

Thesis Committee Representative: Andrew Pieper

Research Topic: Chronic systemic inflammation in Alzheimer's Disease

Undergrad: University of Pennsylvania



Uyen Mai

MSTP Year: G1

Email: utm@case.edu

MSTP AD: Chris Flask

Mentor: Erika Trapl

PhD Program: Clinical Translational Science

Thesis Committee Representative: Chris Flask

Research Topic: Implementation Science, Behavioral Epidemiology, Cancer Prevention

Undergrad: University of California – Irvine



Bryce Mashimo

MSTP Year: G1

Email: blm132@case.edu

MSTP AD: Andrew Pieper

Mentor: Tyler Miller

PhD Program: Pathology

Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: Boston University



Tommy Nguyen

MSTP Year: G1
Email: thn40@case.edu

MSTP AD: Andrew Pieper
Mentor: Andrew Dhawan
PhD Program: Pharmacology
Thesis Committee Representative: Undecided

Research Topic: Undecided

Undergrad: University of Pennsylvania



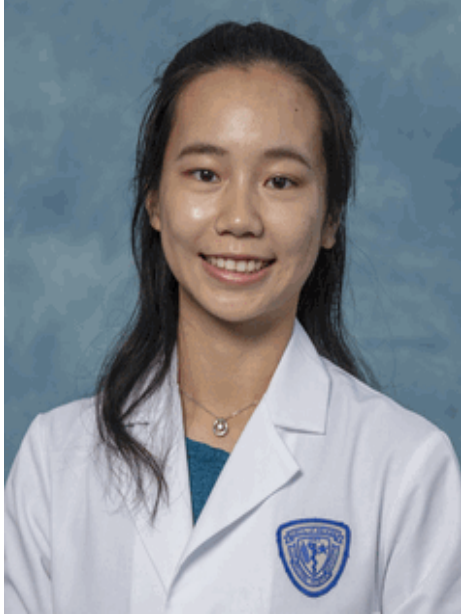
Scout Osborne

MSTP Year: G1
Email: smo64@case.edu

MSTP AD: Chris Flask
Mentor: Christina Farr
PhD Program: Molecular Biology & Microbiology
Thesis Committee Representative: Undecided

Research Topic: Urogenital microbiome

Undergrad: Oregon State University



Tzu-Ni (Mini) Sin

MSTP Year: M2

Email: txs871@case.edu

MSTP AD: Arne Rietsch

Mentor: Bela Anand-Apte

PhD Program: Pharmacology

Thesis Committee Representative: Undecided

Research Topic: The effect of blood glucose and insulin level on the impact of pathogenesis of diabetic retinopathy

Undergrad: University of California – Davis

G2



Gustavo Borjas

MSTP Year: G2

Email: gjb89@case.edu

MSTP AD: Arne Rietsch

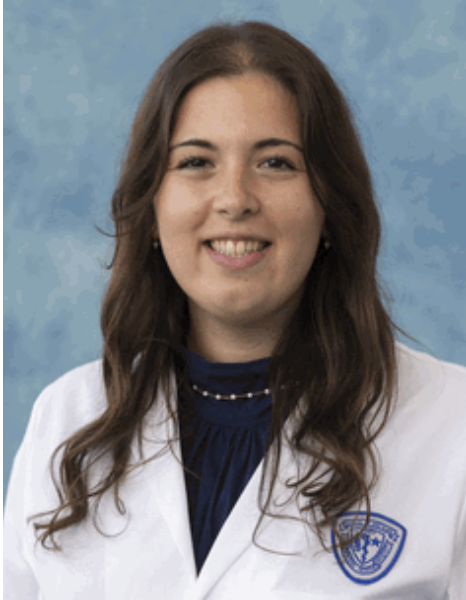
Mentor: John Letterio

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alex Huang

Research Topic: Activation of Nrf2 in APCs to attenuate autoimmune disease

Undergrad: Emory University



Juliana Condoleo

MSTP Year: G2

Email: jmc406@case.edu

MSTP AD: Heather Brohier

Mentor: Sudha Chakrapani

PhD Program: Pharmacology

Thesis Committee Representative: Andrew Pieper

Research Topic: Insight to positive allosteric modulators of alpha3 glycine receptors for potential pain therapeutics

Undergrad: Johns Hopkins University



Mahip Kalra

MSTP Year: G2

Email: mxk9346@case.edu

MSTP AD: Chris Flask

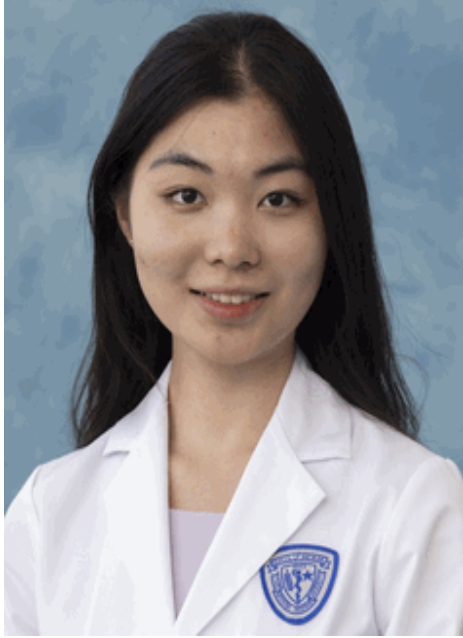
Mentor: Johannes von Lintig

PhD Program: Pharmacology

Thesis Committee Representative: Xin Qi

Research Topic: Carotenoid Trafficking and Metabolism in the Retina

Undergrad: Vanderbilt University



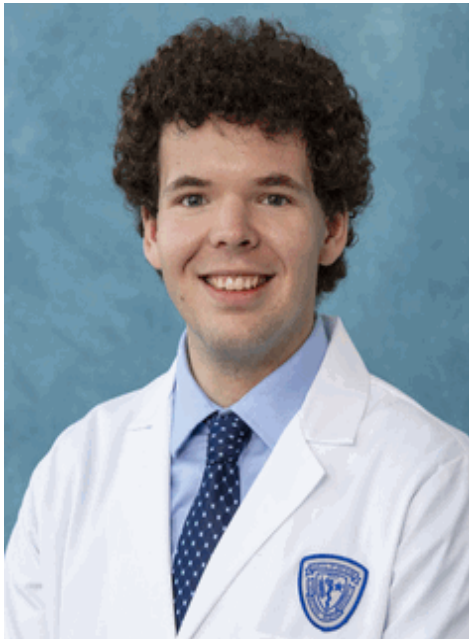
Alice Liu

MSTP Year: G2
Email: asl107@case.edu

MSTP AD: Arne Rietsch
Mentor: Bela Anand-Apte
PhD Program: Pharmacology
Thesis Committee Representative: Arne Rietsch

Research Topic: Retinal microvascular basement membrane stiffness modulates inner blood retinal barrier integrity in diabetic retinopathy

Undergrad: University of Illinois at Chicago



Zachary Player

MSTP Year: G2
Email: zep7@case.edu

MSTP AD: Agata Exner
Mentor: Christopher Nguyen
PhD Program: Biomedical Engineering
Thesis Committee Representative: Chris Flask

Research Topic: Cardiac diffusion MRI

Undergrad: University of Florida



Jacob Smothers

MSTP Year: G2
Email: jbs211@case.edu

MSTP AD: Agata Exner
Mentor: Christopher Flask
PhD Program: Biomedical Engineering
Thesis Committee Representative: Agata Exner

Research Topic: Undecided

Undergrad: West Virginia University



Danielle Streever

MSTP Year: G2
Email: dls386@case.edu

MSTP AD: Chris Flask
Mentor: Andrei Maiseyeu
PhD Program: Biomedical Engineering
Thesis Committee Representative: Christopher Nguyen

Research Topic: Nanoparticle synthesis optimization with ML

Undergrad: Cornell University



Mahmoud Summers

MSTP Year: G2

Email: mxs141@case.edu

MSTP AD: Chris Flask

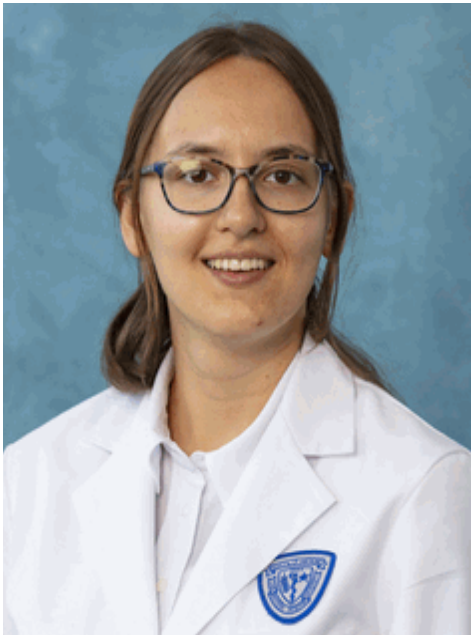
Mentor: Timothy Chan

PhD Program: Pathology/Immunology

Thesis Committee Representative: Jennifer Yu

Research Topic: Immunotherapy, precision immunology

Undergrad: Johns Hopkins University



Sofiya Vyshnya

MSTP Year: G2

Email: svv274@case.edu

MSTP AD: Agata Exner

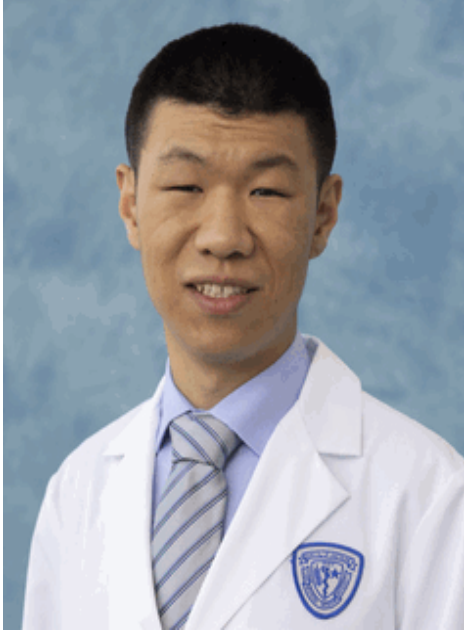
Mentors: Sathish Viswanath and Michael Jenkins

PhD Program: Biomedical Engineering

Thesis Committee Representative: Christopher Nguyen

Research Topic: Developing an artificial intelligence (AI) framework for predicting treatment response in rectal cancer leveraging multimodal medical imaging data (MRI, histology) and gene expression data

Undergrad: Georgia Institute of Technology



Patrick Zhuang

MSTP Year: G2

Email: pxz223@case.edu

MSTP AD: Andrew Pieper

Mentor: Drew Adams

PhD Program: Pharmacology

Thesis Committee Representative: Jennifer Yu

Research Topic: Characterization of 96505 as the first inhibitor of 3-dehydrosphinganine reductase (KDSR)

Undergrad: Williams College

G3



Anuoluwapo Ajao

MSTP Year: G3

Email: axa1581@case.edu

MSTP AD: Agata Exner

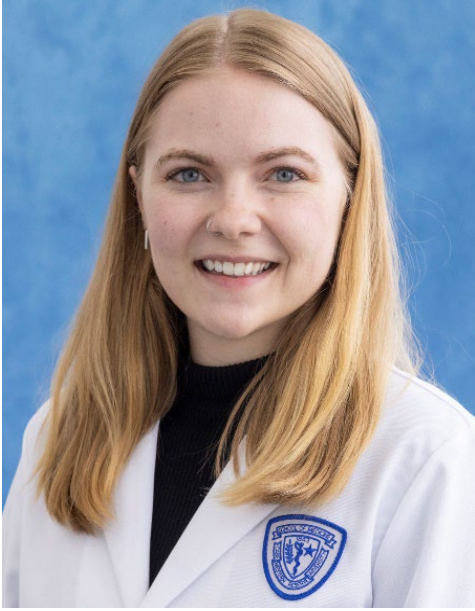
Mentor: Roberto Vargas

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Fredrick Schumacher

Research Topic: Validation of Radiosensitivity Index (RSI) signature in cervical cancer

Undergrad: University of Massachusetts – Boston



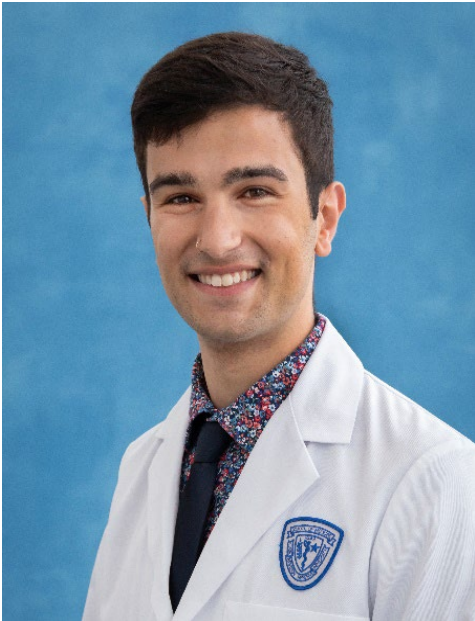
Emily Blaum

MSTP Year: G3
Email: emb190@case.edu

MSTP AD: Agata Exner
Mentor: Neetu Gupta
PhD Program: Pathology/Immunology
Thesis Committee Representative: Alex Huang

Research Topic: The role of ursodeoxycholic acid in mediating antitumor responses in CD19-directed CAR T-cell therapy

Undergrad: Boston University



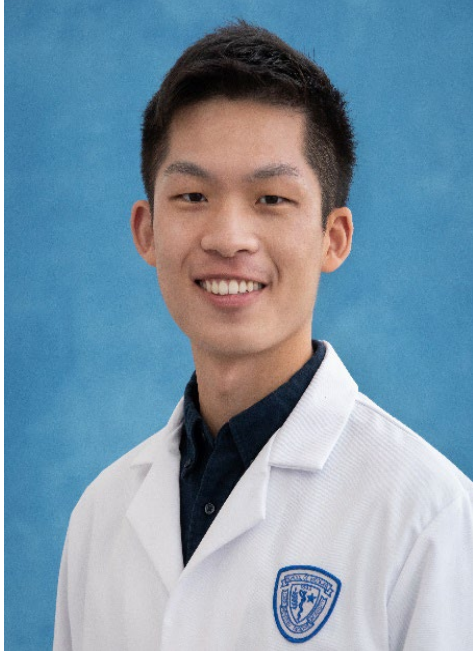
Salvatore (Sonny) Caradonna

MSTP Year: G3
Email: sgc48@case.edu

MSTP AD: Heather Broihier
Mentor: Andrew Pieper
PhD Program: Pathology/Molecular & Cellular Basis of Disease
Thesis Committee Representative: Heather Broihier

Research Topic: Mechanistic insights into impaired cognition resulting from cereblon deficiency

Undergrad: The Ohio State University



Andy Chen

MSTP Year: G3

Email: axc1267@case.edu

MSTP AD: Andrew Pieper

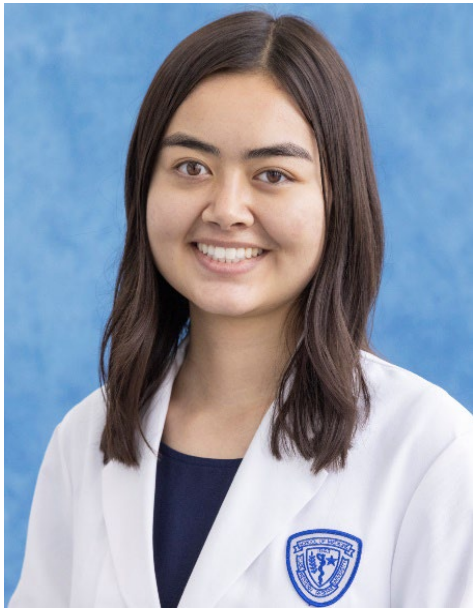
Mentor: Jennifer Yu

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Andrew Pieper

Research Topic: Electrical-activity dependent mechanisms underlie cell state plasticity in glioblastoma

Undergrad: Emory University



Laura Chen

MSTP Year: G3

Email: lxc732@case.edu

MSTP AD: Andrew Pieper

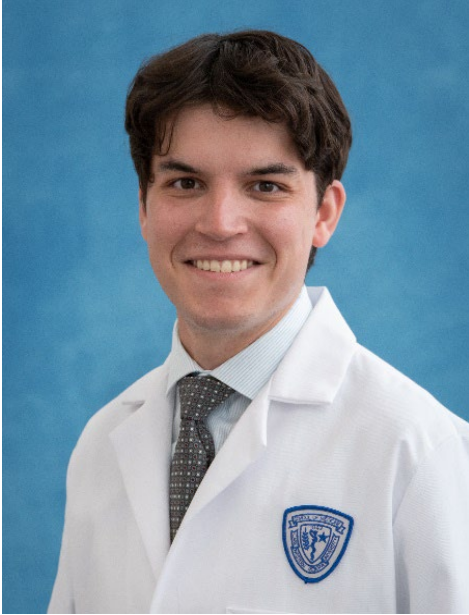
Mentor: Agata Exner

PhD Program: Biomedical Engineering

Thesis Committee Representative: Andrew Pieper

Research Topic: Gas-core cationic nanobubbles for ultrasound-mediated gene therapy

Undergrad: Massachusetts Institute of Technology



Alexander Crane

MSTP Year: G3
Email: ajc406@case.edu

MSTP AD: Heather Broihier
Mentor: Tyler Miller
PhD Program: Systems Biology & Bioinformatics
Thesis Committee Representative: David Wald

Research Topic: Identifying regulatory mechanisms of a GBM-specific immunosuppressive myeloid cell population

Undergrad: University of Pennsylvania



Alexander Foden

MSTP Year: G3
Email: ajf176@case.edu

MSTP AD: Andrew Pieper
Mentor: Heather Broihier
PhD Program: Neurosciences
Thesis Committee Representative: Alex Huang

Research Topic: Glial chemokine-like protein Orion is required for axonal clearance following Wallerian degeneration in adult paradigm

Undergrad: University of California – Irvine



Benjamin Hauk

MSTP Year: G3

Email: bxh462@case.edu

MSTP AD: Chris Flask

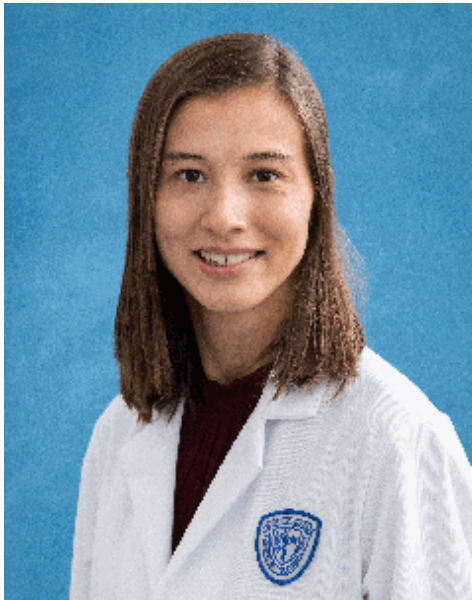
Mentor: Corey Speers

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: David Wald

Research Topic: Multiomic insights into mechanisms of androgen receptor-driven radioresistance in triple-negative breast cancer

Undergrad: College of William & Mary



Inga Hwang

MSTP Year: G3

Email: imh38@case.edu

MSTP AD: Chris Flask

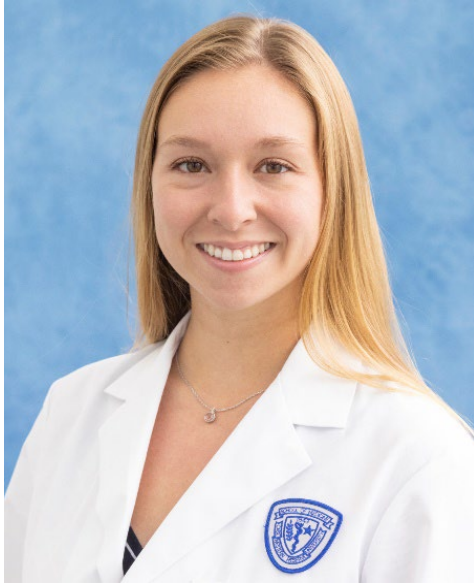
Mentor: Efsthathios Karathanasis

PhD Program: Biomedical Engineering

Thesis Committee Representative: Alex Huang

Research Topic: Drug-free reprogramming of the tumor microenvironment using therapeutic ultrasound and nanobubbles

Undergrad: University of California – Los Angeles



Kayla Klatt

MSTP Year: G3

Email: krk110@case.edu

MSTP AD: Chris Flask

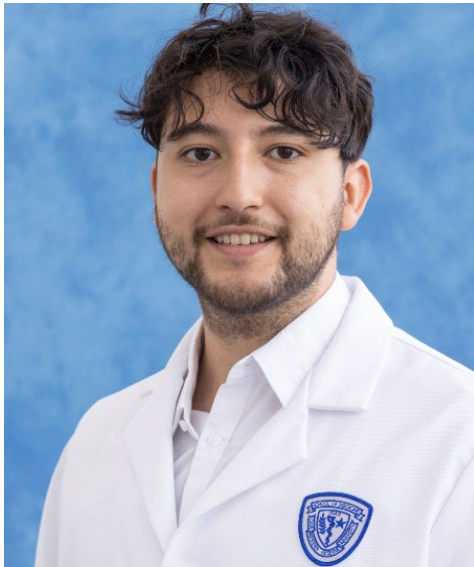
Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alex Huang

Research Topic: Investigating Trypsin 2 as a regulator of IFN- γ -dependent immune effector responses

Undergrad: Johns Hopkins University



Victor Pastrana-Gómez

MSTP Year: G3

Email: vmp46@case.edu

MSTP AD: Chris Flask

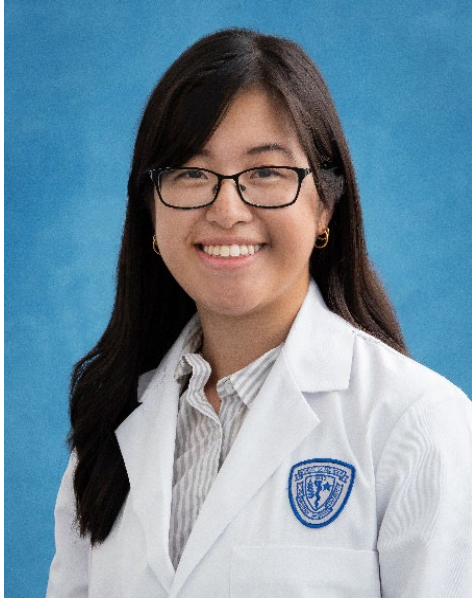
Mentor: Agata Exner

PhD Program: Biomedical Engineering

Thesis Committee Representative: David Wald

Research Topic: Nanobubble footprinting for predicting nanotherapeutic distribution and efficacy via molecular imaging

Undergrad: University of Illinois at Urbana-Champaign



Iris Peng

MSTP Year: G3
Email: ixp94@case.edu

MSTP AD: Heather Broihier
Mentor: Allison Kraus
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Thesis Committee Representative: Andrew Pieper

Research Topic: Brain microenvironment of tau seeds in the absence of neurodegeneration pathology

Undergrad: Brown University



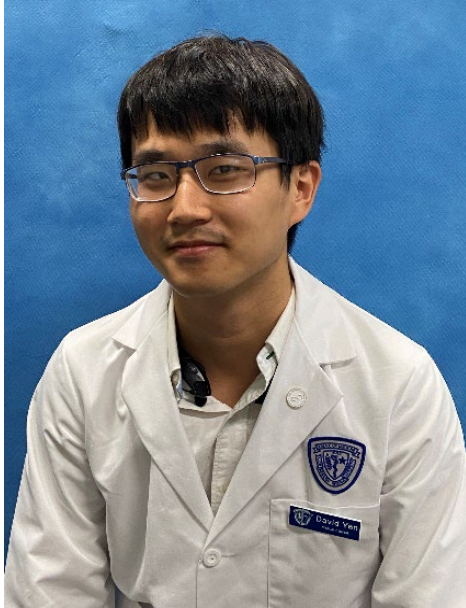
Javier Urcuyo Acevedo

MSTP Year: G3
Email: jcu7@case.edu

MSTP AD : Heather Broihier
Mentor: Alex Huang
PhD Program: Pathology/Immunology
Thesis Committee Representative: Heather Broihier

Research Topic: CDK5 disruption reprograms medulloblastoma and enhanced immunogenicity

Undergrad: Arizona State University



David Yan

MSTP Year: G3

Email: dfy3@case.edu

MSTP AD: Arne Rietsch

Mentor: Drew Adams

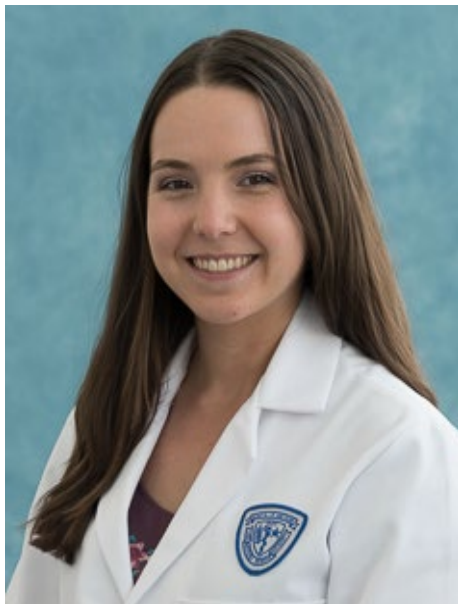
PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Paul Tesar

Research Topic: Characterization of two separate classes of Exportin-1 targeting molecules to develop the next generation of anti-inflammatory therapies

Undergrad: Case Western Reserve University

G4+



Corynn Appolonia

MSTP Year: G4+

Email:

MSTP AD: Chris Flask

Mentor: Parameswaran Ramakrishnan

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alex Huang

Research Topic: Novel therapeutic targets and models for type 1 diabetes and diabetic complications

Undergrad: University of Pittsburgh



Henock Befekadu

MSTP Year: G4+

Email: hbb34@case.edu

MSTP AD: Heather Broihier

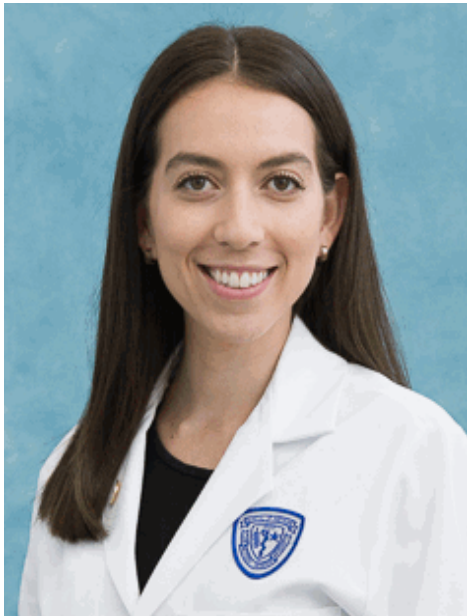
Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

Thesis Committee Representative: Drew Adams

Research Topic: Structural and functional basis of 5HT3R modulation by antidepressants

Undergrad: Carleton College



Sofia Corella

MSTP Year: G4+

Email: sgc65@case.edu

MSTP AD: Heather Broihier

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Thesis Committee Representative: Heather Broihier

Research Topic: The influence of traumatic brain injury on the hematopoietic system

Undergrad: University of North Carolina – Chapel Hill



Indrani Das

MSTP Year: G4+

Email: ixd63@case.edu

MSTP AD: Andrew Pieper

Mentor: David Wald

PhD Program: Pathology/Immunology

Thesis Committee Representative: Reshmi Parameswaran

Research Topic: Secretory iRGD-enhanced CAR-T therapy for solid tumors

Undergrad: Harvard University



Himanshu Dashora

MSTP Year: G4+

Email: hrd14@case.edu

MSTP AD: Agata Exner

Mentor: Jennifer Yu

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Alex Huang

Research Topic: SMARCA5 inhibition for glioblastoma differentiation therapy

Undergrad: Johns Hopkins University



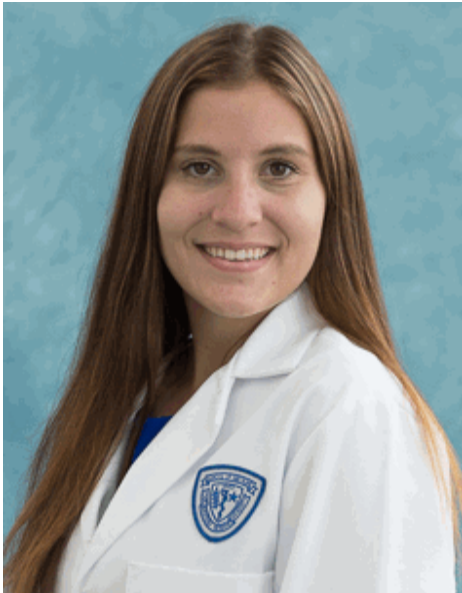
Katherine Dominic

MSTP Year: G4+
Email: kld85@case.edu

MSTP AD: Agata Exner
Mentor: Julian Stelzer
PhD Program: Physiology & Biophysics
Thesis Committee Representative: Xin Qi

Research Topic: Developing custom engineered cardiac myosin binding protein C to treat diastolic dysfunction

Undergrad: University of California – Berkeley



Claire Fritz

MSTP Year: G4+
Email: cef78@case.edu

MSTP AD: Andrew Pieper
Mentor: Reshmi Parameswaran
PhD Program: Pathology/Cancer Biology
Thesis Committee Representative: David Wald

Research Topic: Investigating the role of B-cell activating factor in CAR-T cell-associated adverse events

Undergrad: Case Western Reserve University



Jacob Ingber

MSTP Year: G4+

Email: jjj20@case.edu

MSTP AD: Arne Rietsch

Mentor: Robert Fairchild

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alan Levine

Research Topic: The role of dual TCR T cells in heterologous alloimmunity

Undergrad: Washington and Lee University



Paul Karell

MSTP Year: G4+

Email: pek35@case.edu

MSTP AD: Chris Flask

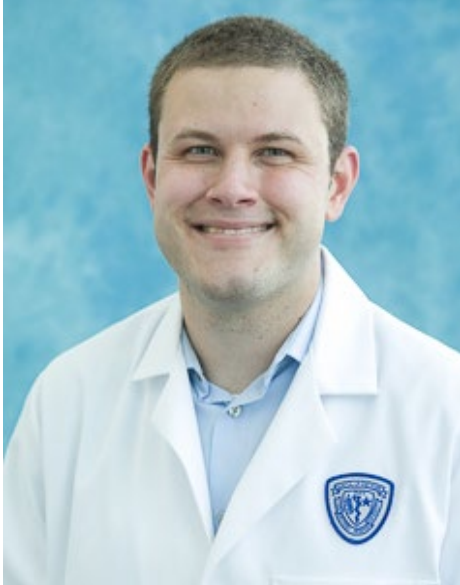
Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Thesis Committee Representative: Robert Fairchild

Research Topic: Carbohydrate malabsorption as a potential mechanism underlying selective IgA deficiency

Undergrad: University of Pittsburgh



Hans Leier

MSTP Year: G4+

Email: hcl25@case.edu

MSTP AD: Andrew Pieper

Mentor: Heather Broihier

PhD Program: Neurosciences

Thesis Committee Representative: Polyxeni Philippidou

Research Topic: A forward genetic screen for regulators of experience-dependent glial pruning

Undergrad: Reed College



Christina MacAskill

MSTP Year: G4+

Email: cjm191@case.edu

MSTP AD: Agata Exner

Mentor: Christopher Flask

PhD Program: Biomedical Engineering

Thesis Committee Representative: Derek Taylor

Research Topic: Dynamic contrast enhanced - magnetic resonance fingerprinting (DCE-MRF): A new quantitative MRI method to reliably assess tumor vascular perfusion

Undergrad: Case Western Reserve University



Marc Scemama de Gialluly

MSTP Year: G4+

Email: mas608@case.edu

MSTP AD: Heather Broihier

Mentor: Drew Adams

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Reshmi Parameswaran

Research Topic: Elaboration of molecular glues that target TRIM21 into TRIMTACs that degrade protein aggregates

Undergrad: University of Richmond



Brendan Sheehan

MSTP Year: G4+

Email: bks60@case.edu

MSTP AD: Heather Broihier

Mentor: Derek Taylor

PhD Program: Pharmacology

Thesis Committee Representative: Ashleigh Schaffer

Research Topic: Teloanalyzer: A new approach to telomere sequence analysis

Undergrad: Oberlin College



Paulameena Shultes

MSTP Year: G4+

Email: pvs13@case.edu

MSTP AD: Agata Exner

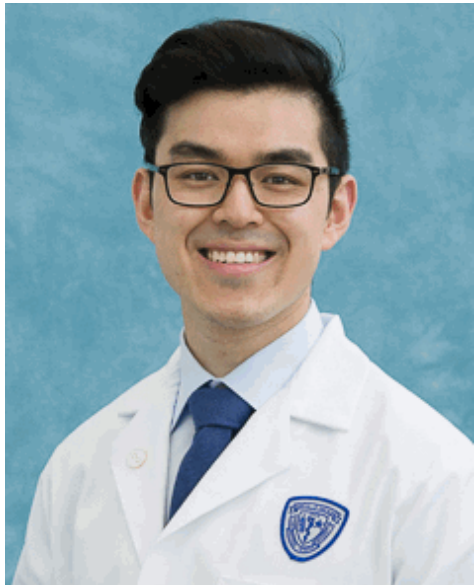
Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Thesis Committee Representative: Dave Lodowski

Research Topic: Deriving genomic signatures of cell-cell fusion in cancer and investigating the role of fusion in evolution of treatment resistance

Undergrad: University of California - Berkeley



Ying Xiong

MSTP Year: G4+

Email: yxx685@case.edu

MSTP AD: Arne Rietsch

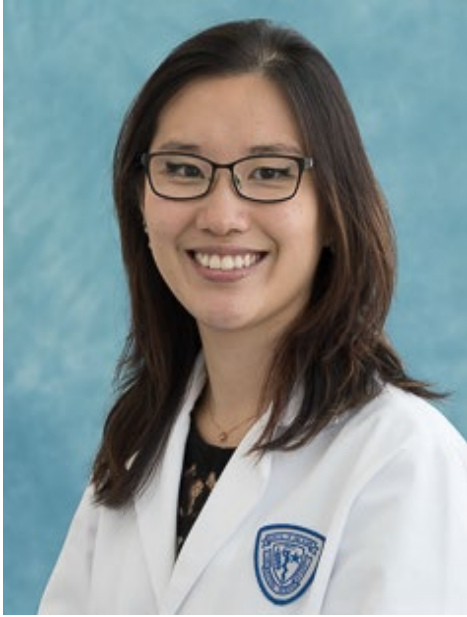
Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Drew Adams

Research Topic: Pathological inflammation alters oligodendrocyte differentiation and function

Undergrad: University of Pennsylvania



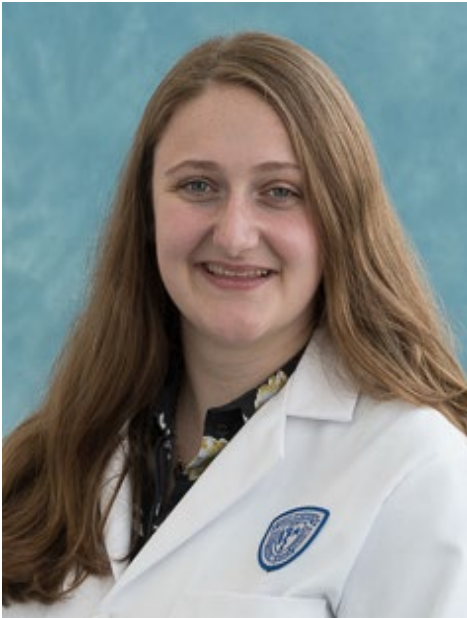
Jeehyun Karen You

MSTP Year: G4+
Email: jxy953@case.edu

MSTP AD: Arne Rietsch
Mentor: Jonathan Stamler
PhD Program: Biochemistry
Thesis Committee Representative: Andrew Pieper

Research Topic: Investigating the basis of specificity in redox signaling

Undergrad: SUNY Stony Brook



Hannah Zamore

MSTP Year: G4+
Email: hgz24@case.edu

MSTP AD: Andrew Pieper
Mentor: Allison Kraus
PhD Program: Pathology/Molecular & Cellular Basis of Disease
Thesis Committee Representative: Heather Broihier

Research Topic: Lewy Body and Alzheimer's Disease mixed proteopathies demonstrate a unique profile of phospho-synuclein and tau modification

Undergrad: Bryn Mawr College

M3



Bijoya (Bijou) Basu

MSTP Year: M3

Email: bx424@case.edu

MSTP AD: Heather Broihier

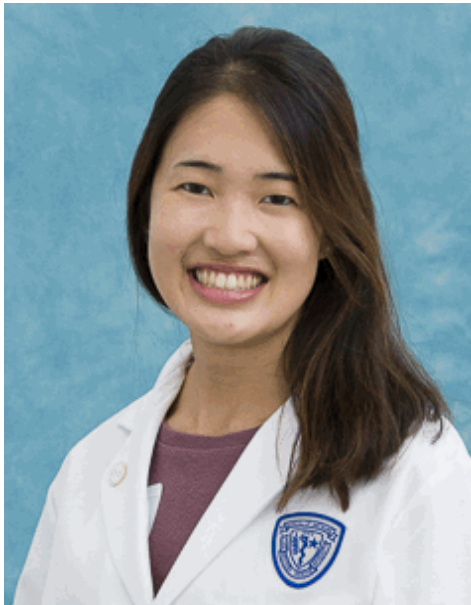
Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Drew Adams

Research Topic: The role of asprosin in anxiety-like behavior

Undergrad: Washington University in St. Louis



Diana Chin

MSTP Year: M3

Email: dhc64@case.edu

MSTP AD: Arne Rietsch

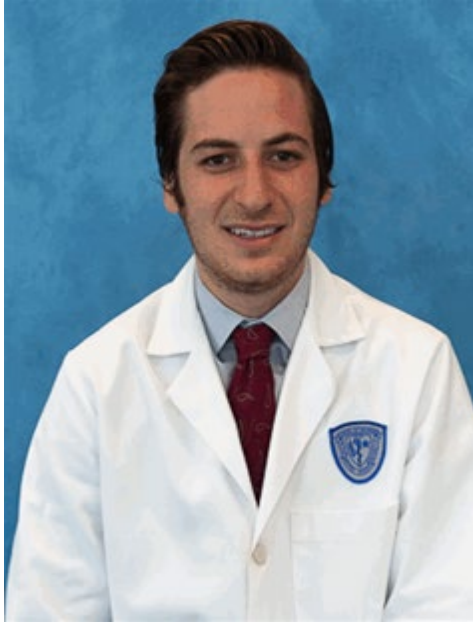
Mentor: Berkley Gryder

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Paul Tesar

Research Topic: RUNX2 drives 3D epigenetic landscape of osteosarcoma

Undergrad: Princeton University



Daniel Feinberg

MSTP Year: M3

Email: daf93@case.edu

MSTP AD: Arne Rietsch

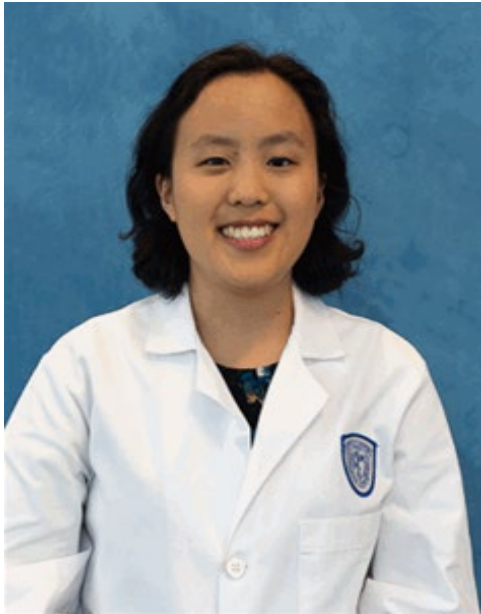
Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alex Huang

Research Topic: Exploring regulation of immune cell cytotoxicity and targeting novel tumor antigens to improve adoptive cell therapy for cancer

Undergrad: Washington University in St. Louis



Natalie Hong

MSTP Year: M3

Email: neh47@case.edu

MSTP AD: Chris Flask

Mentor: Andrei Maiseyeu

PhD Program: Biomedical Engineering

Thesis Committee Representative: Drew Adams

Research Topic: Immunonanoparticles for simultaneous modulation of inflammation and lipids

Undergrad: Carnegie Mellon University



Rupleen Kaur

MSTP Year: M3

Email: rxk614@case.edu

MSTP AD: Heather Broihier

Mentor: Andrew Dhawan

PhD Program: Systems Biology & Bioinformatics

Thesis Committee Representative: David Lodowski

Research Topic: Tumor-driven microenvironmental reprogramming in brain metastases

Undergrad: University of California – Davis



Emily Klemm

MSTP Year: M3

Email: emk147@case.edu

MSTP AD: Chris Flask

Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

Thesis Committee Representative: Polyxeni Philippidou

Research Topic: Human homomeric GlyR α 2: Pore architecture, gating, and inhibition

Undergrad: University of Michigan



Thomas Lavin

MSTP Year: M3
Email: tkl19@case.edu

MSTP AD: Andrew Pieper
Mentor: John Tilton
PhD Program: Pathology/Molecular & Cellular Basis of Disease
Thesis Committee Representative: David Wald

Research Topic: Use of HIV-based virus-like particles in the kick-and-kill approach to an HIV cure

Undergrad: University of Maine



Katherine Letai

MSTP Year: M3
Email: kcl68@case.edu

MSTP AD: Heather Broihier
Mentor: Paul Tesar
PhD Program: Genetics & Genome Sciences
Thesis Committee Representative: Heather Broihier

Research Topic: Enteric glia engage in tumor-promoting crosstalk with colorectal cancer

Undergrad: Princeton University



Kevin Newhall

MSTP Year: M3

Email: kpn11@case.edu

MSTP AD: Arne Rietsch

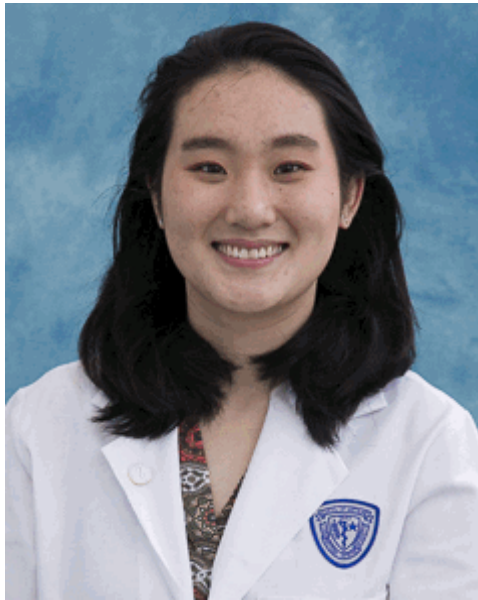
Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alan Levine

Research Topic: Fungal strain diversity governs host-microbe interactions of *Debaryomyces hansenii*

Undergrad: Vassar College



Michelle Pan

MSTP Year: M3

Email: mjp238@case.edu

MSTP AD: Arne Rietsch

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Thesis Committee Representative: Arne Rietsch

Research Topic: Investigating mechanisms of cell death regulation in innate immunity

Undergrad: Franklin & Marshall College



Joseph Schindler

MSTP Year: M3

Email: jcs186@case.edu

MSTP AD: Andrew Pieper

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Thesis Committee Representative: Derek Taylor

Research Topic: Control of RNA metabolism by nitric oxide

Undergrad: Middlebury College



Prerna Singh

MSTP Year: M3

Email: pxs524@case.edu

MSTP AD: Agata Exner

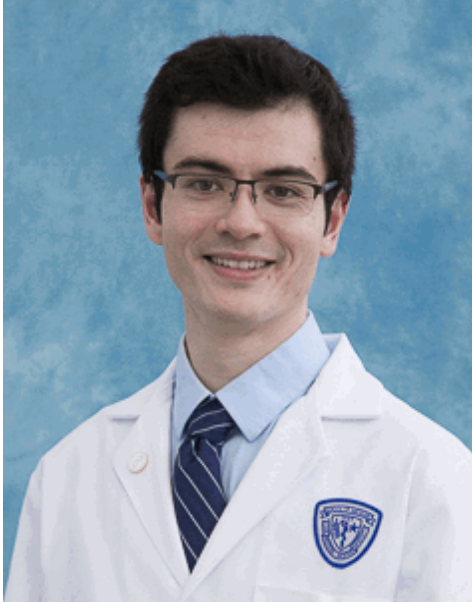
Mentor: David Wilson

PhD Program: Biomedical Engineering

Thesis Committee Representative: Agata Exner

Research Topic: Low-density coronary calcium below the Agatston threshold on CT calcium scoring independently predicts MACE risk: Insights from CLARIFY and SCOT-HEART

Undergrad: Johns Hopkins University



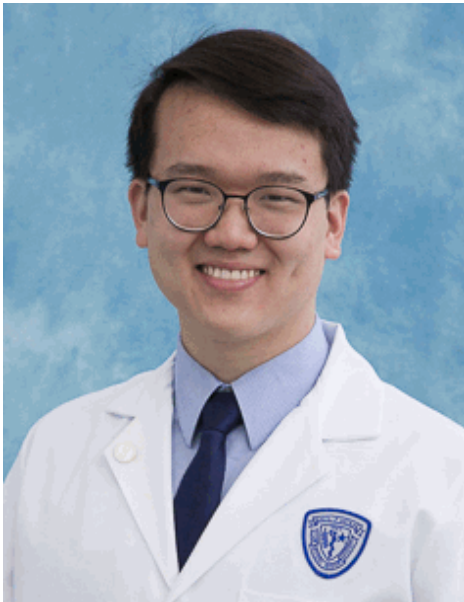
Kyle Starost

MSTP Year: M3
Email: kas265@case.edu

MSTP AD: Chris Flask
Mentor: Seth Field
PhD Program: Pathology/Cancer Biology
Thesis Committee Representative: David Wald

Research Topic: Oncogenic receptor tyrosine kinase signaling is regulated by Golgi protein GOLPH3 and its interaction with MYO18A

Undergrad: Case Western Reserve University



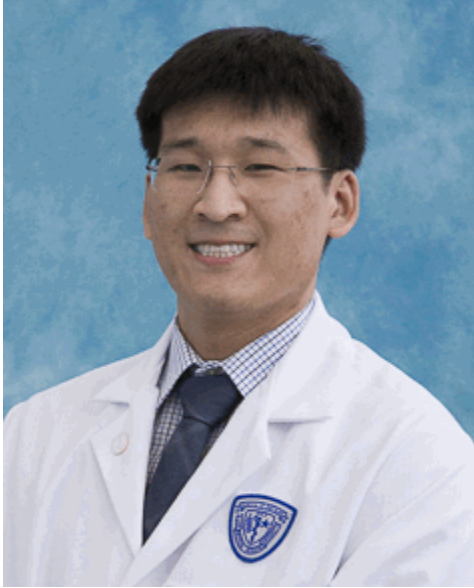
Stephen Wang

MSTP Year: M3
Email: slw105@case.edu

MSTP AD: Heather Broihier
Mentor: Timothy Chan
PhD Program: Genetics & Genome Sciences
Thesis Committee Representative: Alex Huang

Research Topic: Engineering T cell immunity against key mutations in lung cancer

Undergrad: Yale University



Douglas Wu

MSTP Year: M3
Email: dhw45@case.edu

MSTP AD: Agata Exner
Mentor: Samuel Senyo
PhD Program: Biomedical Engineering
Thesis Committee Representative: Agata Exner

Research Topic: Development of cardiac matrix-derived particle delivery systems

Undergrad: University of Michigan

M4



Sarah Barker

MSTP Year: M4
Email: sxb878@case.edu

MSTP AD: Heather Broihier
Mentor: Andrew Pieper
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Thesis Committee Representative: Drew Adams

Research Topic: Pathological inflammation alters oligodendrocyte differentiation and function

Undergrad: Colorado College



Melissa Bonner

MSTP Year: M4

Email: mrb194@case.edu

MSTP AD: Chris Flask

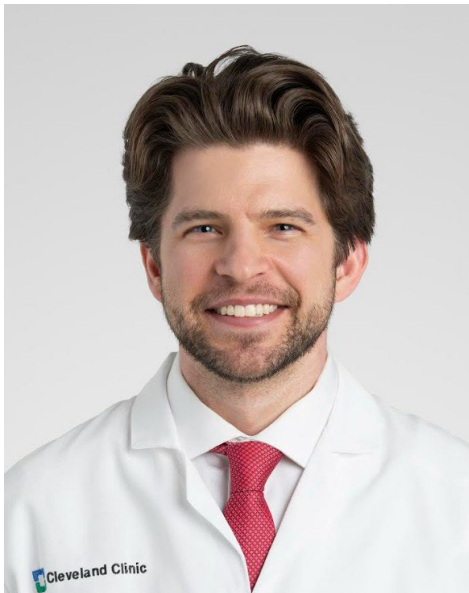
Mentor: Alex Huang

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Jennifer Yu

Research Topic: Piezo1 Deletion in CD11b+ Cells Has Context-Dependent Effects on the Anti-Tumor Response

Undergrad: University of Southern California



Brendan Boylan

MSTP Year: M4

Email: btb47@case.edu

MSTP AD: Andrew Pieper

Mentor: Cornelia Bergmann

PhD Program: Pathology/Immunology

Thesis Committee Representative: Andrew Pieper

Research Topic: B Cell and stromal cell responses in the brain and its borders during neurotropic coronavirus infection

Undergrad: University of Wisconsin – Madison



Syrena Bracey

MSTP Year: M4
Email: smb274@case.edu

MSTP AD: Arne Rietsch
Mentor: Tsan Sam Xiao
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Thesis Committee Representative: George Dubyak

Research Topic: Role of Palmitoylation in GSDMA localization and GSDMA-mediated Pyroptosis

Undergrad: University of Maryland – Baltimore County



Razaq Durodoye

MSTP Year: M4
Email: rod10@case.edu

MSTP AD: Chris Flask
Mentor: Scott Williams
PhD Program: Epidemiology & Biostatistics
Thesis Committee Representative: Kimberly McBennett

Research Topic: Characterizing the roles of race, ethnicity, ancestry, and APOE in late-onset Alzheimer's disease

Undergrad: The University of Texas at Dallas



Zachary Grimmatt

MSTP Year: M4

Email: zxg198@case.edu

MSTP AD: Heather Broihier

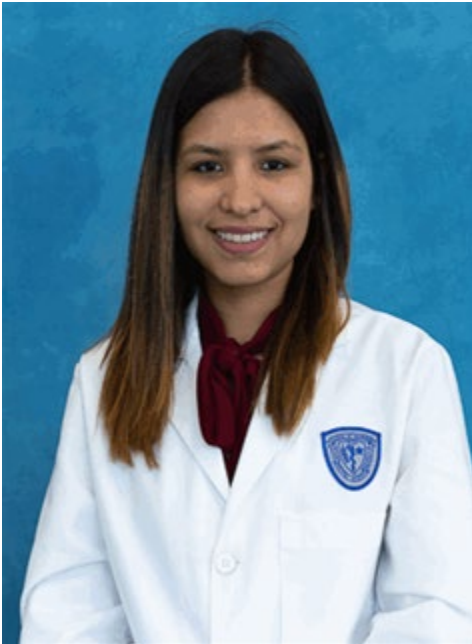
Mentor: Jonathan Stamler

PhD Program: Pathology/Immunology

Thesis Committee Representative: Alan Levine

Research Topic: S-nitrosylation in regulation of signaling through beta-adrenergic receptors and impact on cardiovascular function

Undergrad: University of California – Berkeley



Natasha Ingles

MSTP Year: M4

Email: nxi53@case.edu

MSTP AD: Heather Broihier

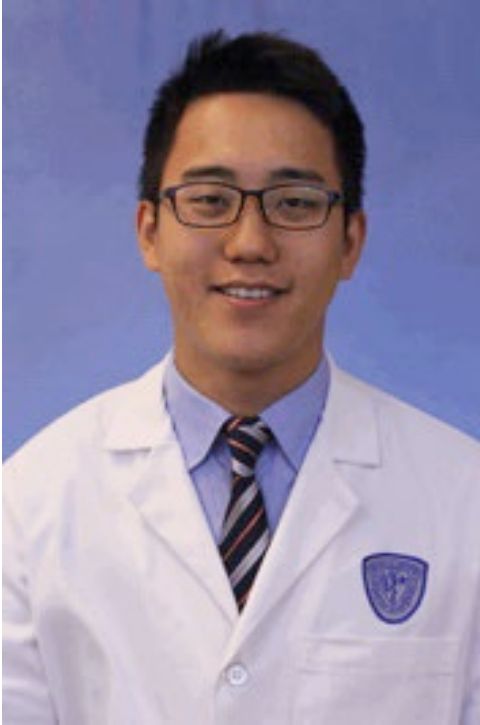
Mentor: Ruth Keri

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Jennifer Yu

Research Topic: Elucidating the impact of genome integrity mechanisms in cancer progression and aggressiveness

Undergrad: University of Puerto Rico – Mayaguez



Brian Kim

MSTP Year: M4
Email: bxk342@case.edu

MSTP AD: Andrew Pieper
Mentor: Atul Chopra
PhD Program: Genetics & Genome Sciences
Thesis Committee Representative: Paul Tesar

Research Topic: Asprosin transactivation underlies obesity relapse and inheritance

Undergrad: University of Pennsylvania



Erik Koritzinsky

MSTP Year: M4
Email: ehk44@case.edu

MSTP AD: Chris Flask
Mentor: Robert Fairchild
PhD Program: Pathology/Immunology
Thesis Committee Representative: Alan Levine

Research Topic: Early inflammatory events shaping allograft ischemia reperfusion injury

Undergrad: Cornell University



Alexander Lesser

MSTP Year: M4

Email: af136@case.edu

MSTP AD: Heather Broihier

Mentor: Mitchell Drumm

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Thesis Committee Representative: Alan Levine

Research Topic: Metabolism in health and disease: Uncovering physiologic and pathologic adaptations in the context of changing systemic energetic demands

Undergrad: Cornell University



Jennings Luu

MSTP Year: M4

Email: jxl1574@case.edu

MSTP AD: Agata Exner

Mentor: Krzysztof Palczewski

PhD Program: Pharmacology

Thesis Committee Representative: George Dubyak

Research Topic: Systems pharmacology approach to mechanism-based drug discovery reveals new class of small-molecule therapies to prevent vision loss and neurodegeneration in the retina

Undergrad: University of California – Los Angeles



Benjamin Mittman

MSTP Year: M4

Email: bgm37@case.edu

MSTP AD: Andrew Pieper

Mentor: Michael Rothberg

PhD Program: Biomedical & Health Informatics

Thesis Committee Representative: James Spilsbury

Research Topic: Artificial intelligence and decision analytics for venous thromboembolism prevention

Undergrad: Hamilton College



Meghan O'Keefe

MSTP Year: M4

Email: meo72@case.edu

MSTP AD: Heather Broihier

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Thesis Committee Representative: Heather Broihier

Research Topic: Beyond pyroptosis: Cellular consequences of inflammasome stimulation

Undergrad: Northeastern University



Vanessa Salazar

MSTP Year: M4

Email: vx313@case.edu

MSTP AD: Andrew Pieper

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Thesis Committee Representative: Robert Fairchild

Research Topic: Microbiota drive immune checkpoint inhibitor toxicity

Undergrad: Washington University in St Louis



Josephine Trichka

MSTP Year: M4

Email: jit78@case.edu

MSTP AD: Chris Flask

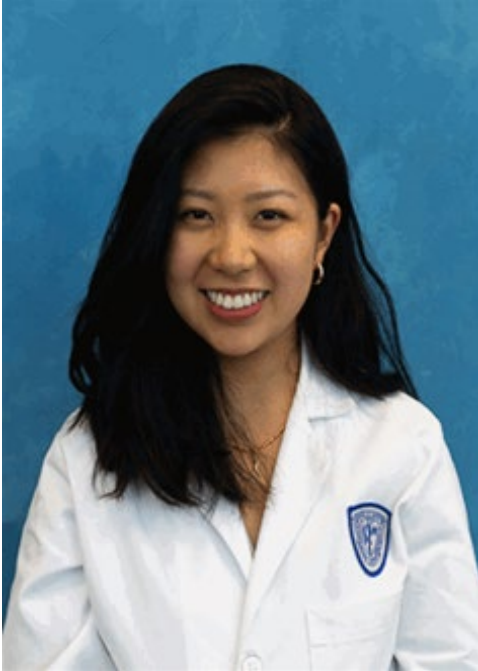
Mentor: Stanley Adoro

PhD Program: Pathology/Immunology

Thesis Committee Representative: Heather Broihier

Research Topic: Regulation of inflammation by a non-canonical activity of the ESCRT protein CHMP5

Undergrad: Middlebury College



Sabrina Wang

MSTP Year: M4

Email: szw7@case.edu

MSTP AD: Arne Rietsch

Mentor: Justin Lathia

PhD Program: Pathology/Cancer Biology

Thesis Committee Representative: Alex Huang

Research Topic: Lipocalin-2 mediated suppression of ferroptosis in glioblastoma

Undergrad: Johns Hopkins University



William Wulftange

MSTP Year: M4

Email: wjw61@case.edu

MSTP AD: Agata Exner

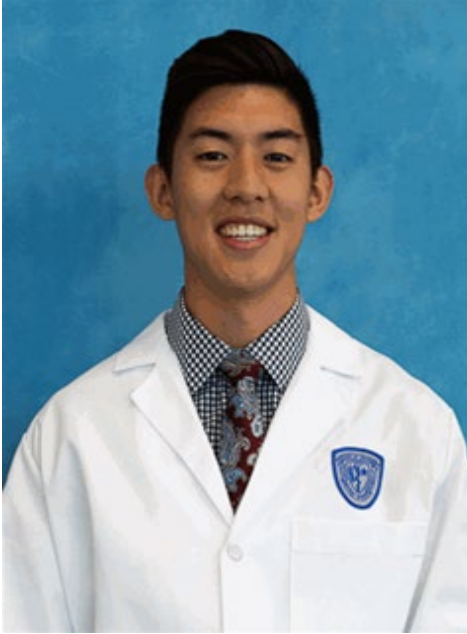
Mentor: Umut Gurkan

PhD Program: Biomedical Engineering

Thesis Committee Representative: Alex Huang

Research Topic: Microengineered systems for advancing hematological precision therapies

Undergrad: University of Nevada – Reno



Jesse Zhan

MSTP Year: M4

Email: jjz46@case.edu

MSTP AD: Andrew Pieper

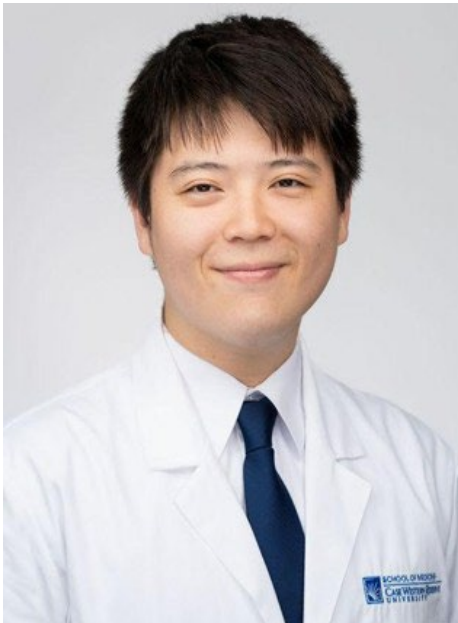
Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Thesis Committee Representative: Drew Adams

Research Topic: Investigating the circadian aspect of oligodendroglia biology

Undergrad: Johns Hopkins University



Walter Zhao

MSTP Year: M4

Email: wxz485@case.edu

MSTP AD: Agata Exner

Mentor: Dan Ma

PhD Program: Biomedical Engineering

Thesis Committee Representative: Agata Exner

Research Topic: Clinical translation of magnetic resonance fingerprinting for glioblastoma infiltration imaging

Undergrad: Johns Hopkins University