

2023-24 MSTP Students by Year in Program

M1

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

M2

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

G1

[Olubukola Abiona](#)
[Corynn Appolonia](#)
[Henock Befekadu](#)
[Indrani Das](#)
[Katherine Dominic](#)
[Claire Fritz](#)
[Jacob Ingber](#)
[Hans Leier](#)
[Christina MacAskill](#)
[Marc Scemama de](#)
[Gialluly](#)
[Brendan Sheehan](#)
[Paulameena Shultes](#)
[Prerna Singh](#)
[Jeehyun Karen You](#)
[Hannah Zamore](#)

G2

[Diana Chin](#)
[Sofia Corella](#)
[Himanshu Dashora](#)
[Paul Karell](#)
[Rupleen Kaur](#)
[Thomas Lavin](#)
[Benjamin Mittman](#)
[Michelle Pan](#)
[Kyle Starost](#)
[Stephen Wang](#)
[Douglas Wu](#)
[Ying Xiong](#)
[Walter Zhao](#)

G3

[Sarah Barker](#)
[Bijoya Basu](#)
[Razaq Durodoye](#)
[Daniel Feinberg](#)
[Natalie Hong](#)
[Natasha Ingles](#)
[Eshan King](#)
[Emily Klemm](#)
[Katherine Letai](#)
[Kevin Newhall](#)
[Alicia Santin](#)
[Joseph Schindler](#)
[Sabrina Wang](#)
[Jesse Zhan](#)

G4+

[Lucie Ahn](#)
[Melissa Bonner](#)
[Brendan Boylan](#)
[Syrena Bracey](#)
[Yi Fan Chen](#)
[Erin Cohn](#)
[Zachary Grimmatt](#)
[Raza Haider](#)
[Emily Hannon](#)
[Ellen Hong](#)
[Brian Kim](#)
[Erik Koritzinsky](#)
[Alexander Lesser](#)
[Angela Liu](#)
[Jennings Luu](#)

G4+ continued

[Meghan O'Keefe](#)
[Vanessa Salazar](#)
[Josephine Trichka](#)
[Nicholas Venetos](#)
[William Wulftange](#)
[Soon Yeul Yi](#)

M3

[Muta Abiff](#)
[James Ahad](#)
[Michaela Cooley](#)
[Michelle Cruz](#)
[Marc Ferrell](#)
[Anniya Gu](#)
[Dan Jindal](#)
[Hannah Kondolf](#)
[Emma Kundracik](#)
[Morgan Lewis](#)
[George Luo](#)
[Katrina Piemonte](#)
[Joel Sax](#)
[Preethy Sridharan](#)
[Davis Weaver](#)
[Derek Wong](#)

M4

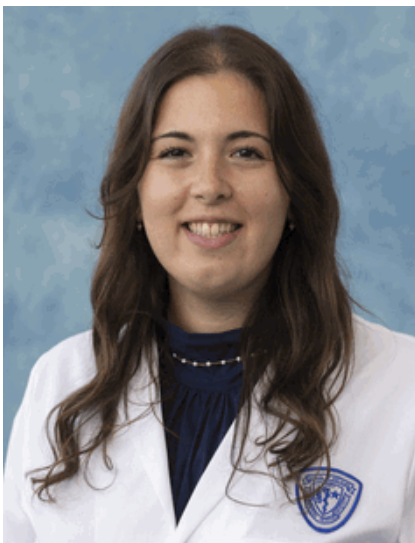
[Brendan Barton](#)
[Adrian Gomez-Nguyen](#)
[Uriel Kim](#)
[Adam Lauko](#)
[William Miller-Little](#)
[Jessica Scarborough](#)
[Sydney Song](#)
[Aaron Talsma](#)
[Alicia Vagnozzi](#)
[Sarah Venus](#)
[Xinrui Zhang](#)

M1



Gustavo Borjas

MSTP Year: M1
Email: gjb89@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Emory University



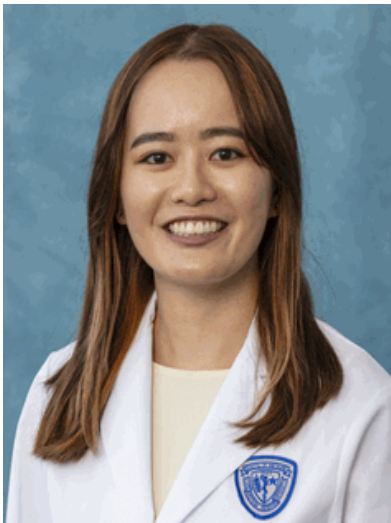
Juliana Condoleo

MSTP Year: M1
Email: jmc406@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



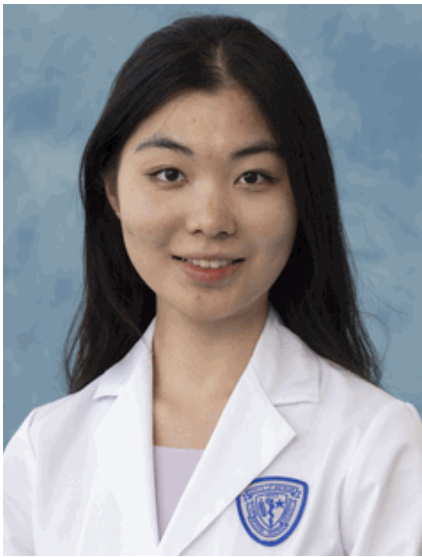
Mahip Kalra

MSTP Year: M1
Email: mxk9346@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Vanderbilt University



Sophie Lee

MSTP Year: M1
Email: scl95@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of California – Los Angeles



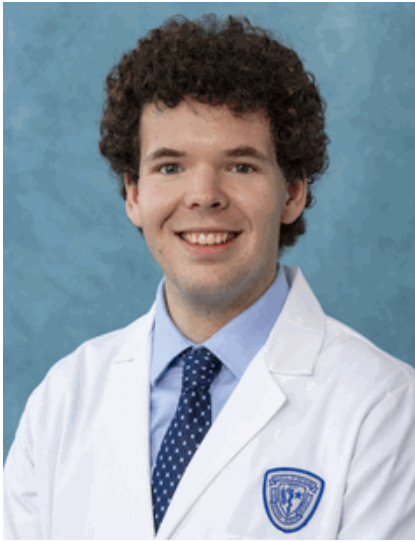
Alice Liu

MSTP Year: M1
Email: asl107@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Illinois at Chicago



Patricio Pichling

MSTP Year: M1
Email: pxp489@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



Zachary Player

MSTP Year: M1
Email: zep7@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Florida



Jacob Smothers

MSTP Year: M1
Email: jbs211@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: West Virginia University



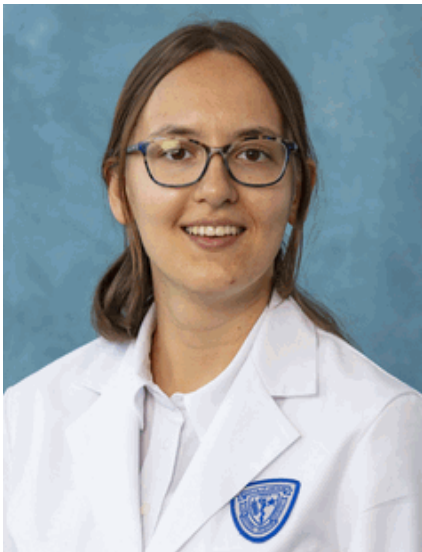
Danielle Streever

MSTP Year: M1
Email: dls386@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Cornell University



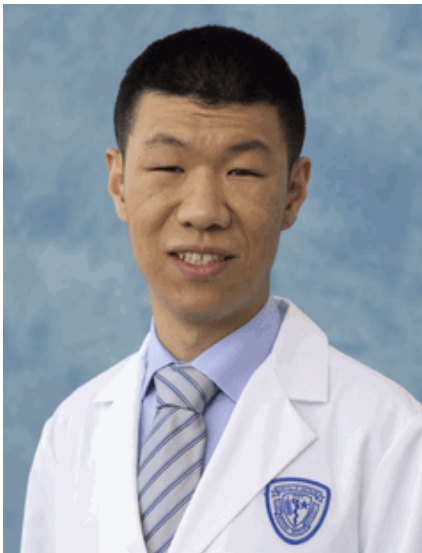
Mahmoud Summers

MSTP Year: M1
Email: mxs141@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



Sofiya Vyshnya

MSTP Year: M1
Email: sxv274@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Georgia Institute of Technology



Patrick Zhuang

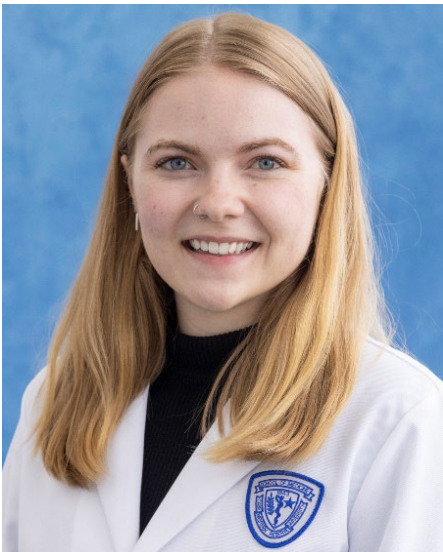
MSTP Year: M1
Email: pxz223@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Williams College

M2



Anuoluwapo Ajao

MSTP Year: M2
Email: axa1581@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Massachusetts – Boston



Emily Blaum

MSTP Year: M2
Email: emb190@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Boston University of Maryland



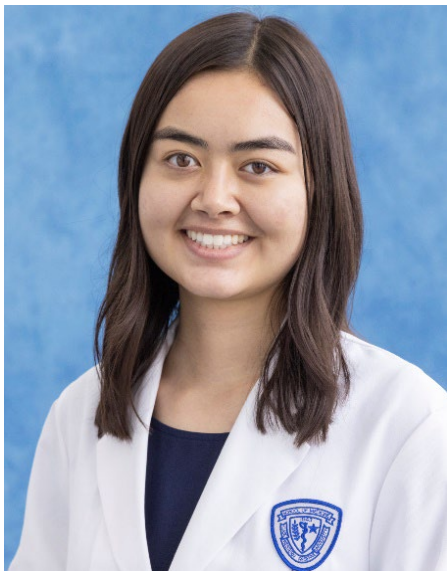
Salvatore Caradonna

MSTP Year: M2
Email: sgc48@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: The Ohio State University



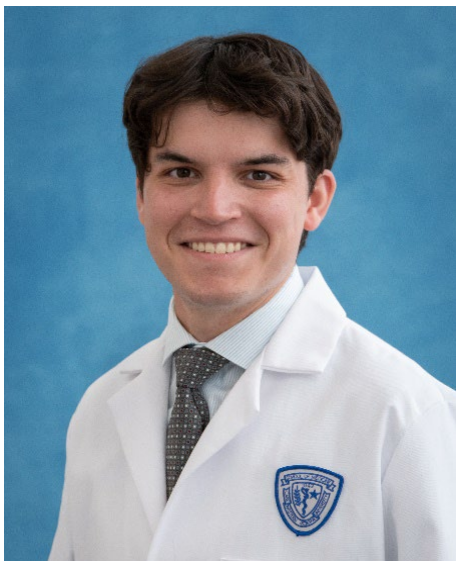
Andy Chen

MSTP Year: M2
Email: axc1267@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Emory University



Laura Chen

MSTP Year: M2
Email: lxc732@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Massachusetts Institute of Technology



Alexander Crane

MSTP Year: M2
Email: ajc406@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Pennsylvania



Alexander Foden

MSTP Year: M2

Email: ajf176@case.edu

Mentor: Heather Broihier

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Irvine



Benjamin Hauk

MSTP Year: M2

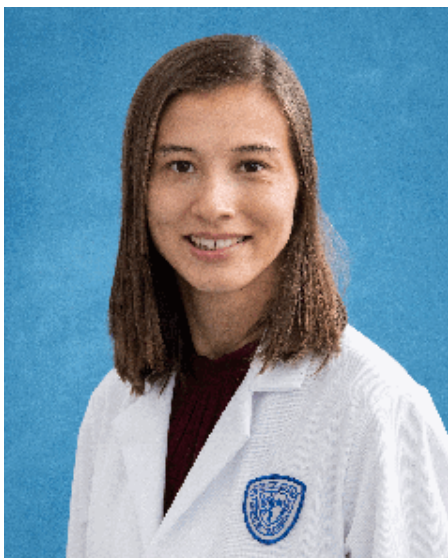
Email: bxh462@case.edu

Mentor: Undecided

PhD Program: Undecided

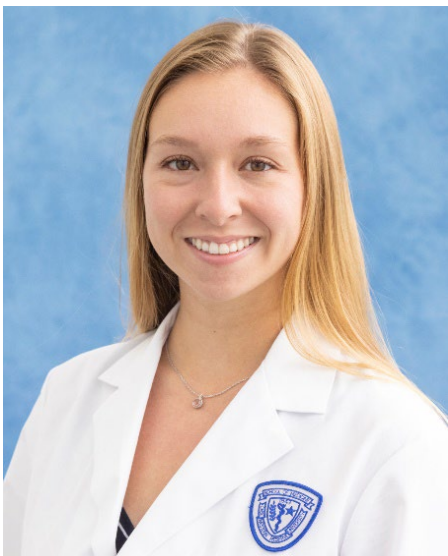
Research Topic: Undecided

Undergrad: College of William & Mary



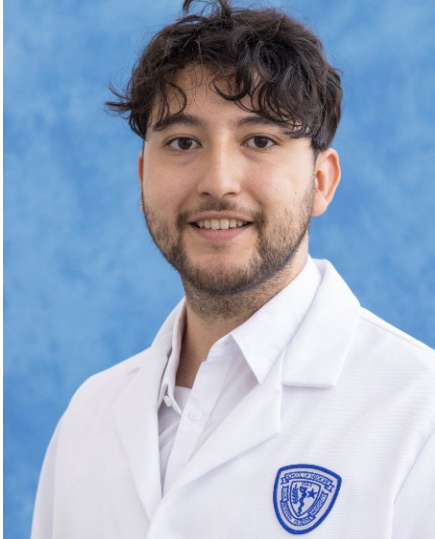
Inga Hwang

MSTP Year: M2
Email: imh38@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of California – Los Angeles



Kayla Klatt

MSTP Year: M2
Email: krk110@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



Victor Pastrana-Gomez

MSTP Year: M2

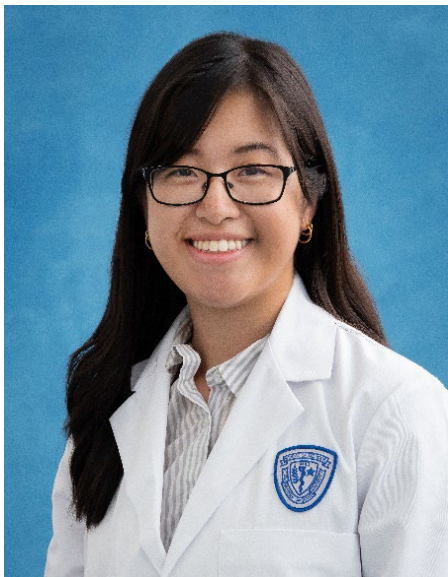
Email: vmp46@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Illinois at Urbana-Champaign



Iris Peng

MSTP Year: M2

Email: ixp94@case.edu

Mentor: Undecided

PhD Program: Undecided

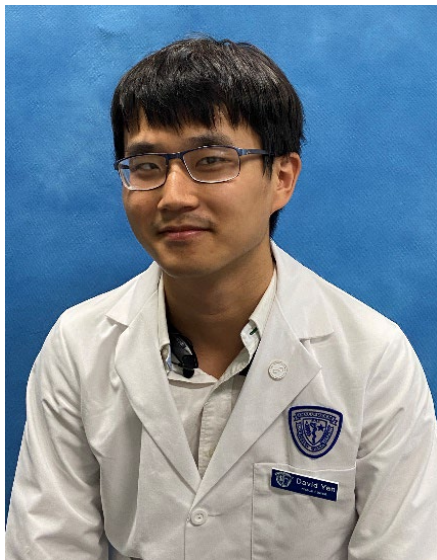
Research Topic: Undecided

Undergrad: Brown University



Javier Urcuyo Acevedo

MSTP Year: M2
Email: jcu7@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Arizona State University



David Yan

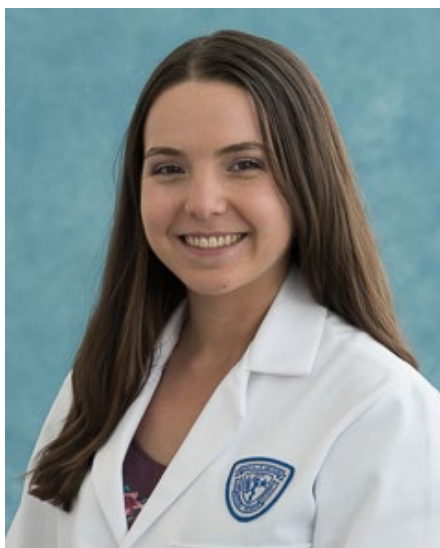
MSTP Year: M2
Email: dfy3@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Case Western Reserve University

G1



Olubukola Abiona

MSTP Year: G1
Email: oma11@case.edu
Mentor: David Wald
PhD Program: Pathology/Immunology
Research Topic: Development of immunotherapy for solid tumors and blood cancers
Undergrad: University of Maryland – Baltimore County



Corynn Appolonia

MSTP Year: G1
Email: cna24@case.edu
Mentor: Parameswaran Ramakrishnan
PhD Program: Pathology/Immunology
Research Topic: Metabolism at both a cellular and whole-body level
Undergrad: University of Pittsburgh



Henock Befekadu

MSTP Year: G1
Email: hbb34@case.edu
Mentor: Sudha Chakrapani
PhD Program: Physiology & Biophysics
Research Topic: Undecided
Undergrad: Carleton College



Indrani Das

MSTP Year: G1
Email: ixd63@case.edu
Mentor: David Wald
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Harvard University



Katherine Dominic

MSTP Year: G1

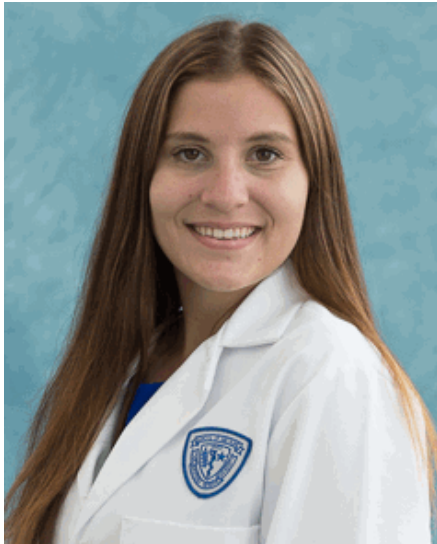
Email: kld85@case.edu

Mentor: Julian Stelzer

PhD Program: Physiology & Biophysics

Research Topic: cMyBPC regulation in cardiac muscle

Undergrad: University of California – Berkeley



Claire Fritz

MSTP Year: G1

Email: cef78@case.edu

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Cancer Biology

Research Topic: Cancer therapeutics: small molecule inhibitor and Car-T cell discovery and development for leukemia and lymphoma

Undergrad: Case Western Reserve University



Jacob Ingber

MSTP Year: G1

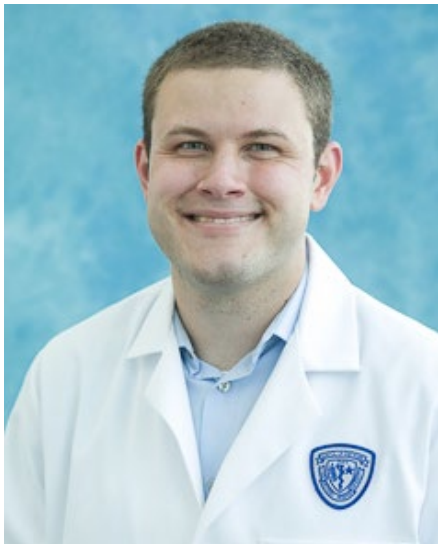
Email: jjj20@case.edu

Mentor: Robert Fairchild

PhD Program: Pathology/Immunology

Research Topic: Immunology, transplantation, inflammation, memory T cells

Undergrad: Washington and Lee University



Hans Leier

MSTP Year: G1

Email: hcl25@case.edu

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: Drosophila CNS glia

Undergrad: Reed College



Christina MacAskill

MSTP Year: G1
Email: cjm191@case.edu
Mentor: Christopher Flask
PhD Program: Biomedical Engineering
Research Topic: Undecided
Undergrad: Case Western Reserve University



Marc Scemama de Gialluly

MSTP Year: G1
Email: mas608@case.edu
Mentor: Drew Adams
PhD Program: Pathology/Cancer Biology
Research Topic: Undecided
Undergrad: University of Richmond



Brendan Sheehan

MSTP Year: G1
Email: bks60@case.edu
Mentor: Derek Taylor
PhD Program: Pharmacology
Research Topic: Undecided
Undergrad: Oberlin College



Paulameena Shultes

MSTP Year: G1
Email: pvs13@case.edu
Mentor: Jacob Scott
PhD Program: Systems Biology & Bioinformatics
Research Topic: Modelling of the role of cancer fusion in the evolution of tumor environments and resistance to chemotherapeutics
Undergrad: University of California - Berkeley



Prerna Singh

MSTP Year: G1

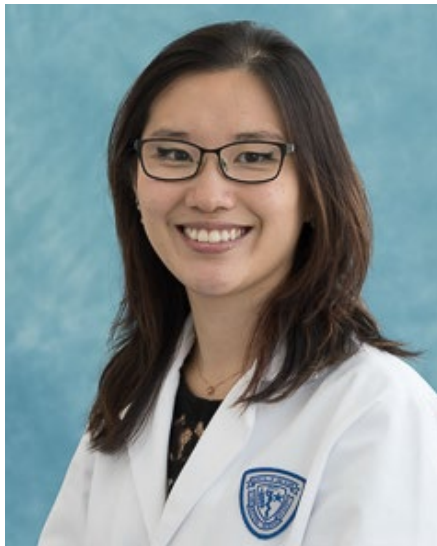
Email: pxs524@case.edu

Mentor: David Wilson

PhD Program: Biomedical Engineering

Research Topic: Artificial intelligence in medicine and medical imaging

Undergrad: Johns Hopkins University



Jeehyun Karen You

MSTP Year: G1

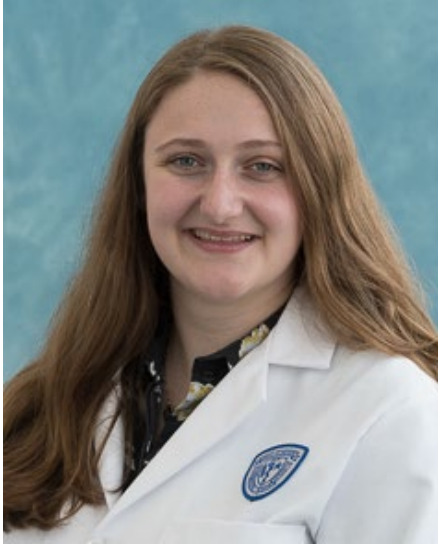
Email: jxy953@case.edu

Mentor: Theresa Pizarro

PhD Program: Biochemistry

Research Topic: Gasdermin B in intestinal epithelial cells: the intersection of metabolism, cell signaling, and inflammation/immunity in the pathophysiology of inflammatory bowel disease

Undergrad: SUNY Stony Brook



Hannah Zamore

MSTP Year: G1

Email: hzh24@case.edu

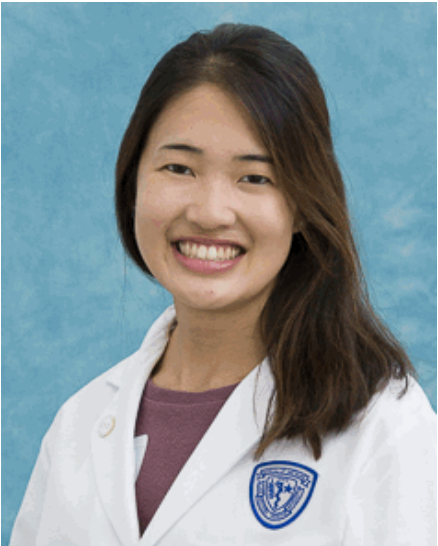
Mentor: Allison Kraus

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Undecided

Undergrad: Bryn Mawr College

G2



Diana Chin

MSTP Year: G2

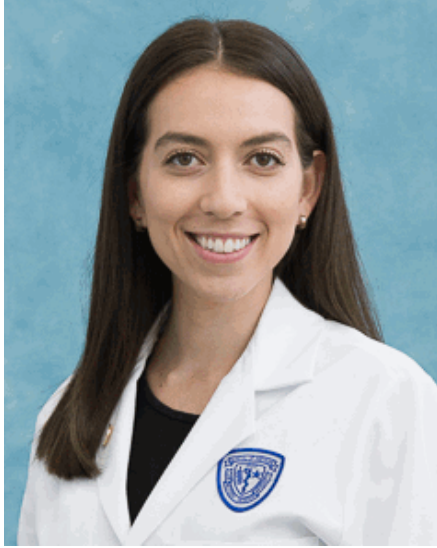
Email: dhc64@case.edu

Mentor: Berkley Gryder

PhD Program: Genetics & Genome Sciences

Research Topic: Epigenomics and cancer

Undergrad: Princeton University



Sofia Corella

MSTP Year: G2

Email: sgc65@case.edu

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Molecular mechanisms of traumatic brain injury

Undergrad: University of North Carolina – Chapel Hill



Himanshu Dashora

MSTP Year: G2

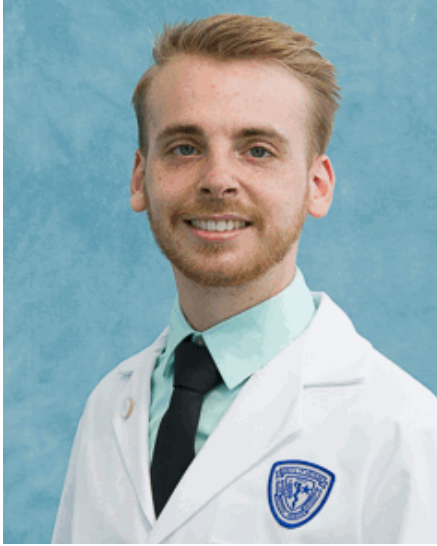
Email: hrd14@case.edu

Mentor: Jennifer Yu

PhD Program: Pathology/Cancer Biology

Research Topic: Translational regulation of glioblastoma stem cells

Undergrad: Johns Hopkins University



Paul Karell

MSTP Year: G2

Email: pek35@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Research Topic: Development and kinetics of T cell dependent IgA responses in the intestine

Undergrad: University of Pittsburgh



Rupleen Kaur

MSTP Year: G2

Email: rxk614@case.edu

Mentor: Andrew Dhawan

PhD Program: Systems Biology & Bioinformatics

Research Topic: Exploring the dynamic relationship between drug-sensitive and drug-resistant cancer cells

Undergrad: University of California – Davis



Thomas Lavin

MSTP Year: G2

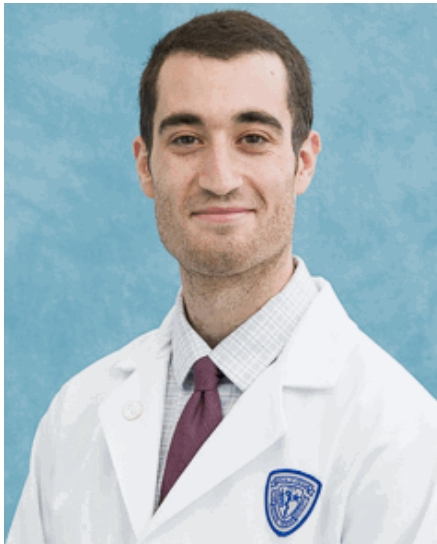
Email: tkl19@case.edu

Mentor: John Tilton

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Development of genetic therapies

Undergrad: University of Maine



Benjamin Mittman

MSTP Year: G2

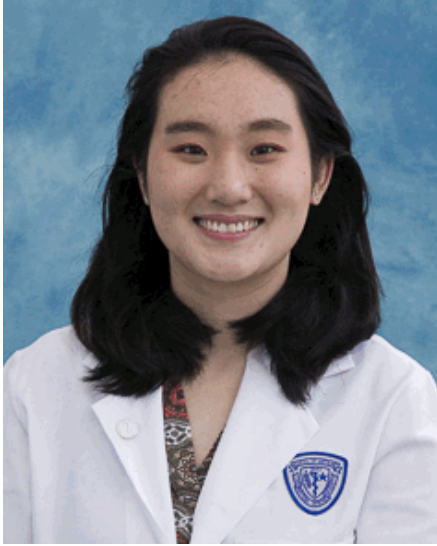
Email: bgm37@case.edu

Mentor: Michael Rothberg

PhD Program: Biomedical & Health Informatics

Research Topic: Clinical minimizing-maximizing traits affecting cancer screening decisions

Undergrad: Hamilton College



Michelle Pan

MSTP Year: G2

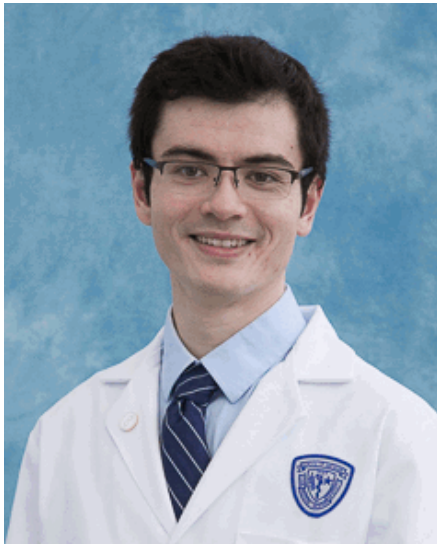
Email: mjp238@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Posttranslational processing of MLKL reveals crosstalk between cell death pathways

Undergrad: Franklin & Marshall College



Kyle Starost

MSTP Year: G2

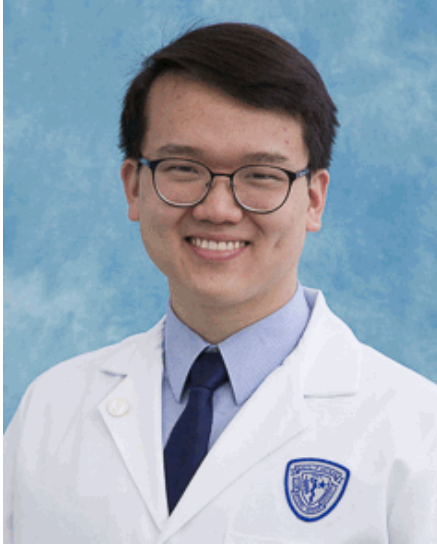
Email: kas265@case.edu

Mentor: Seth Field

PhD Program: Pathology/Cancer Biology

Research Topic: Golgi trafficking and cancer physiology

Undergrad: Case Western Reserve University



Stephen Wang

MSTP Year: G2

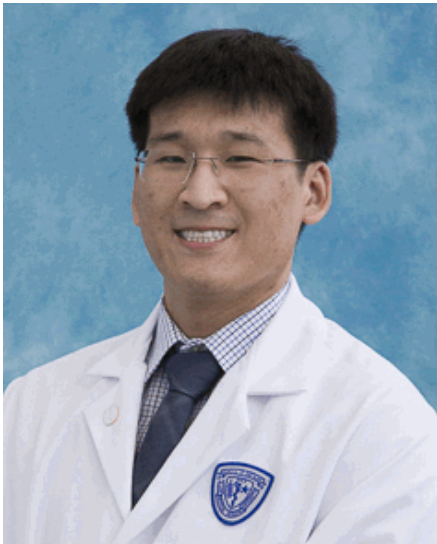
Email: slw105@case.edu

Mentor: Timothy Chan

PhD Program: Genetics & Genome Sciences

Research Topic: Defining molecular and phenotypic features of the neoantigen specific T cell response against a common EGFR mutation in lung cancer

Undergrad: Yale University



Douglas Wu

MSTP Year: G2

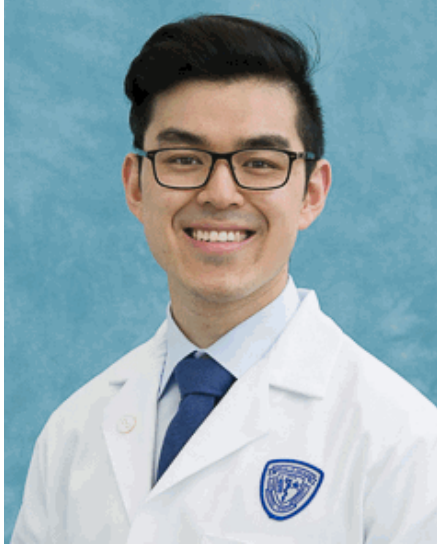
Email: dhw45@case.edu

Mentor: Samuel Senyo

PhD Program: Biomedical Engineering

Research Topic: Tissue engineering and regenerative medicine

Undergrad: University of Michigan



Ying Xiong

MSTP Year: G2

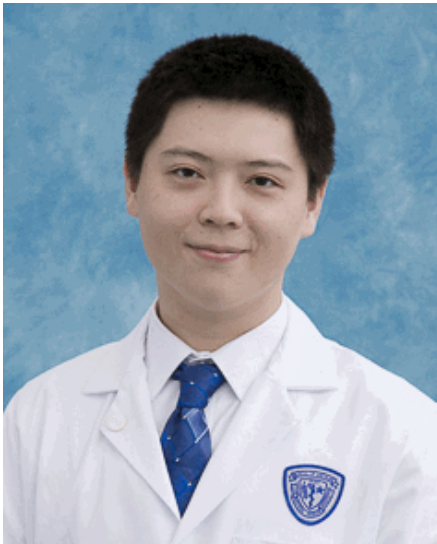
Email: yxx685@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Understanding the potential immunological properties of glial cells

Undergrad: University of Pennsylvania



Walter Zhao

MSTP Year: G2

Email: wxz485@case.edu

Mentor: Dan Ma

PhD Program: Biomedical Engineering

Research Topic: Preclinical myelin quantification using Ultrashort Time Echo Magnetic Resonance Fingerprinting (UTE-MRF)

Undergrad: Johns Hopkins University

G3



Sarah Barker

MSTP Year: G3

Email: sxb878@case.edu

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: The role of tau acetylation in the increased risk for Alzheimer's disease after traumatic brain injury

Undergrad: Colorado College



Bijoya Basu

MSTP Year: G3

Email: bx424@case.edu

Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

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

Undergrad: Washington University in St. Louis



Razaq Durodoeye

MSTP Year: G3

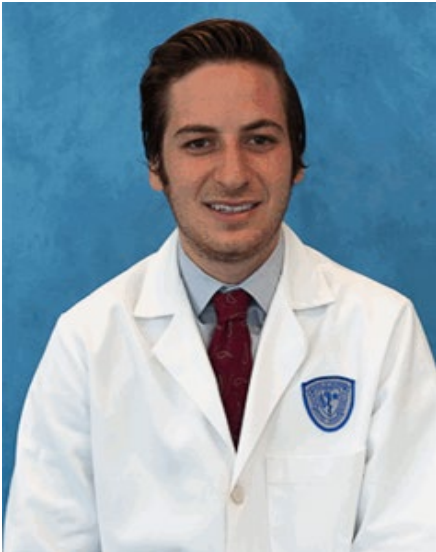
Email: rod10@case.edu

Mentor: Scott Williams

PhD Program: Epidemiology & Biostatistics

Research Topic: Identifying genetic variants that modify the effect size of APOE alleles on late-onset Alzheimer's disease risk

Undergrad: The University of Texas at Dallas



Daniel Feinberg

MSTP Year: G3

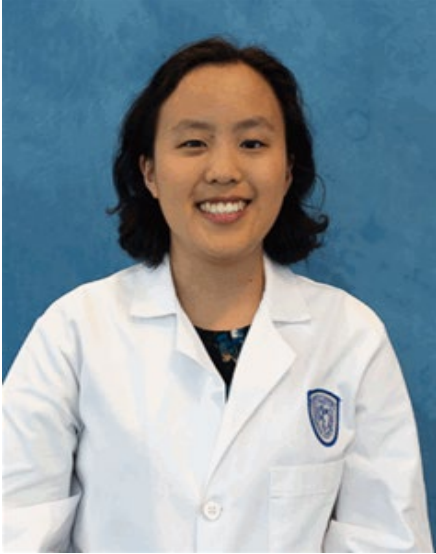
Email: daf93@case.edu

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

Research Topic: Understanding factors regulating NK cell cytotoxicity and improving NK cell adoptive therapy

Undergrad: Washington University in St. Louis



Natalie Hong

MSTP Year: G3

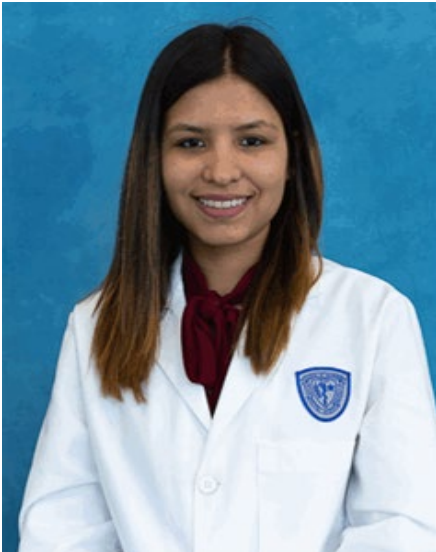
Email: neh47@case.edu

Mentor: Andrei Maiseyeu

PhD Program: Biomedical Engineering

Research Topic: Developing itaconate-based oral nanoparticles for the following: 1) to reduce inflammation and cholesterol accumulation in the setting of atherosclerosis, and 2) to modulate inflammation in the setting of multiple sclerosis

Undergrad: Carnegie Mellon University



Natasha Ingles

MSTP Year: G3

Email: nxi53@case.edu

Mentor: Ruth Keri

PhD Program: Pathology/Cancer Biology

Research Topic: Elucidating the role of YES1 in taxane-resistant triple negative breast cancer

Undergrad: University of Puerto Rico – Mayaguez



Eshan King

MSTP Year: G3

Email: esk81@case.edu

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: Integrated pharmacodynamic models for predicting the evolution of drug resistance

Undergrad: Washington University in St. Louis



Emily Klemm

MSTP Year: G3

Email: emk147@case.edu

Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

Research Topic: Understanding the structural mechanisms of glycine receptors expressed during neurodevelopment

Undergrad: University of Michigan



Katherine Letai

MSTP Year: G3

Email: kcl68@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Dissecting the mechanisms between enteric glia and colorectal cancer progression

Undergrad: Princeton University



Kevin Newhall

MSTP Year: G3

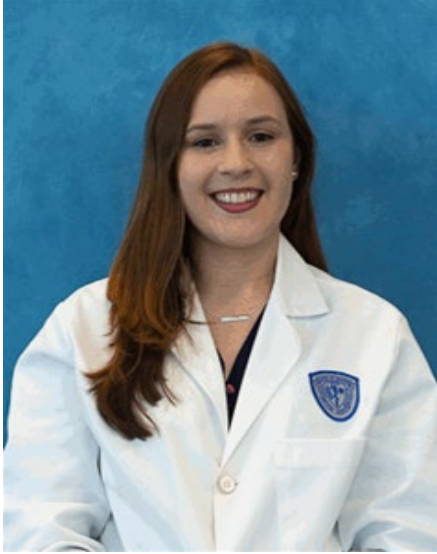
Email: kpn11@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Research Topic: Innate immune mechanisms that facilitate *Debagomyces hansenii* persistence

Undergrad: Vassar College



Alicia Santin

MSTP Year: G3

Email: axa1059@case.edu

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: The effects of Piezo1 calcium flux on T cell activation, differentiation, and memory cell development

Undergrad: Oklahoma State University



Joseph Schindler

MSTP Year: G3

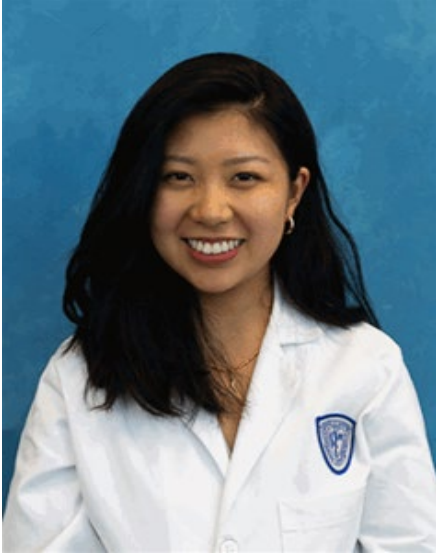
Email: jcs186@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of alternative splicing via S-nitrosylation

Undergrad: Middlebury College



Sabrina Wang

MSTP Year: G3

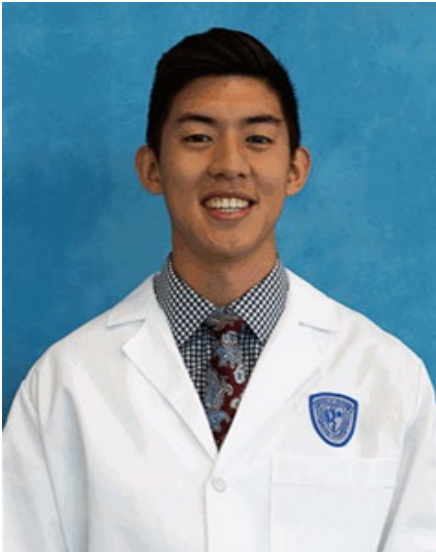
Email: szw7@case.edu

Mentor: Justin Lathia

PhD Program: Pathology/Cancer Biology

Research Topic: Identifying the function of lipocalin 2 in glioblastoma

Undergrad: Johns Hopkins University



Jesse Zhan

MSTP Year: G3

Email: jjz46@case.edu

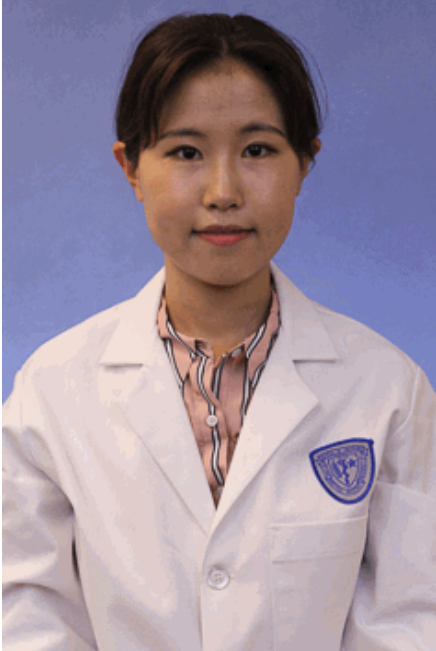
Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating the circadian aspect of oligodendroglia biology

Undergrad: Johns Hopkins University

G4+



Lucie Ahn

MSTP Year: G4+
Email: yxa133@case.edu
Mentor: Ashleigh Schaffer
PhD Program: Genetics & Genome Sciences
Research Topic: Mapping IER3IP1 epistasis to understand its function and MEDS pathogenesis
Undergrad: Duke University



Melissa Bonner

MSTP Year: G4+
Email: mrb194@case.edu
Mentor: Alex Huang
PhD Program: Pathology/Cancer Biology
Research Topic: PIEZO1's impact on the phenotype and effector functioning of tumor-associated myeloid cells
Undergrad: University of Southern California



Brendan Boylan

MSTP Year: G4+

Email: btb47@case.edu

Mentor: Cornelia Bergmann

PhD Program: Pathology/Immunology

Research Topic: B cell and stromal cell interactions in the CNS

Undergrad: University of Wisconsin – Madison



Syrena Bracey

MSTP Year: G4+

Email: smb274@case.edu

Mentor: Tsan Sam Xiao

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Molecular mechanisms of Caspase-1-mediated Pro-IL-1 β processing

Undergrad: University of Maryland – Baltimore County



Yi Fan Chen

MSTP Year: G4+

Email: ycx1272@case.edu

Mentor: Drew Adams

PhD Program: Genetics & Genome Sciences

Research Topic: Activity-based protein profiling identifies new drug targets and mechanisms in inflammatory diseases

Undergrad: Cornell University



Erin Cohn

MSTP Year: G4+

Email: efc35@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Environmental regulators of oligodendrocyte dysfunction

Undergrad: Wesleyan University



Zachary Grimmatt

MSTP Year: G4+

Email: zxg198@case.edu

Mentor: Jonathan Stamler

PhD Program: Pathology/Immunology

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

Undergrad: University of California – Berkeley



Raza Haider

MSTP Year: G4+

Email: rxh376@case.edu

Mentor: Witold Surewicz

PhD Program: Physiology & Biophysics

Research Topic: Phosphorylation as a mechanism to modulate TDP-43 phase separation and aggregation

Undergrad: Emory University



Emily Hannon

MSTP Year: G4+

Email: erh90@case.edu

Mentor: James Kazura

PhD Program: Epidemiology & Biostatistics

Research Topic: Epigenetics during acute malaria infection

Undergrad: University of Colorado at Boulder



Ellen Hong

MSTP Year: G4+

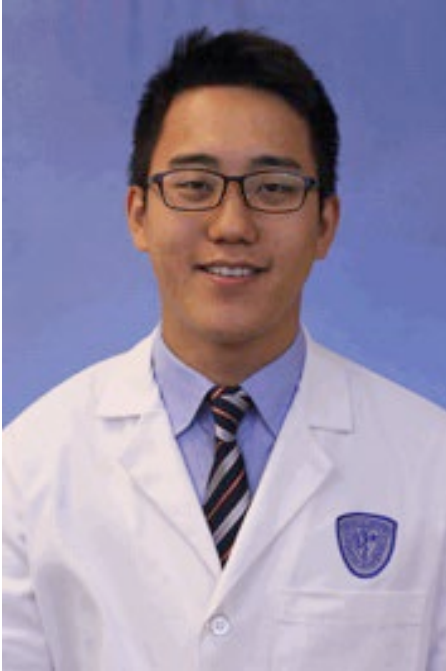
Email: esh81@case.edu

Mentor: Justin Lathia

PhD Program: Genetics & Genome Sciences

Research Topic: Dissecting the role of intercellular heterogeneity of extrachromosomal DNA in glioblastoma

Undergrad: Cornell University



Brian Kim

MSTP Year: G4+

Email: bxk342@case.edu

Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating TGF-B1 signaling and asprosin transcription of adipose tissue in obesity

Undergrad: University of Pennsylvania



Erik Koritzinsky

MSTP Year: G4+

Email: ehk44@case.edu

Mentor: Robert Fairchild

PhD Program: Pathology/Immunology

Research Topic: TLR9 and type I interferons in allograft ischemia reperfusion injury

Undergrad: Cornell University



Alexander Lesser

MSTP Year: G4+

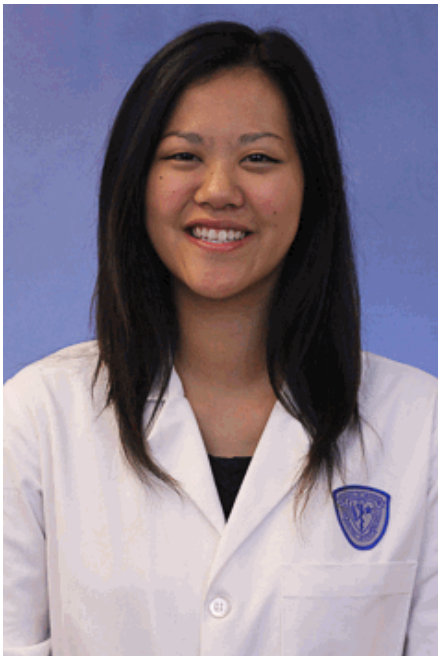
Email: afl36@case.edu

Mentor: Mitchell Drumm

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Cystic fibrosis and metabolism: An investigation of glucose metabolism in various models of cystic fibrosis

Undergrad: Cornell University



Angela Liu

MSTP Year: G4+

Email: ard91@case.edu

Mentor: Parameswaran Ramakrishnan

PhD Program: Pathology/Immunology

Research Topic: Role of NF-kappaB c-Rel and O-GlcNAcylation in antigen presenting cell function in autoimmune disease

Undergrad: Case Western Reserve University



Jennings Luu

MSTP Year: G4+

Email: jxl1574@case.edu

Mentor: Yoshikazu Inamishi, Krzysztof Palczewski

PhD Program: Pharmacology

Research Topic: Molecular mechanisms and therapeutic approaches in neurodegenerative disorders of the retina

Undergrad: University of California – Los Angeles



Meghan O'Keefe

MSTP Year: G4+

Email: meo72@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Leveraging spatial proteomics to investigate the Gasdermin D interactome

Undergrad: Northeastern University



Vanessa Salazar

MSTP Year: G4+

Email: vx313@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Research Topic: Host and microbe-dependent mechanisms of enhanced autoimmune susceptibility driven by checkpoint inhibitors

Undergrad: Washington University in St Louis



Josephine Trichka

MSTP Year: G4+

Email: jjt78@case.edu

Mentor: Stanley Adoro

PhD Program: Pathology/Immunology

Research Topic: The ESCRT protein CHMP5 as a critical mediator of peripheral tissue homeostasis

Undergrad: Middlebury College



Nicholas Venetos

MSTP Year: G4+

Email: nmv22@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: The role of S-nitrosylation in non-alcoholic fatty liver disease and obesity

Undergrad: The Ohio State University



William Wulftange

MSTP Year: G4+

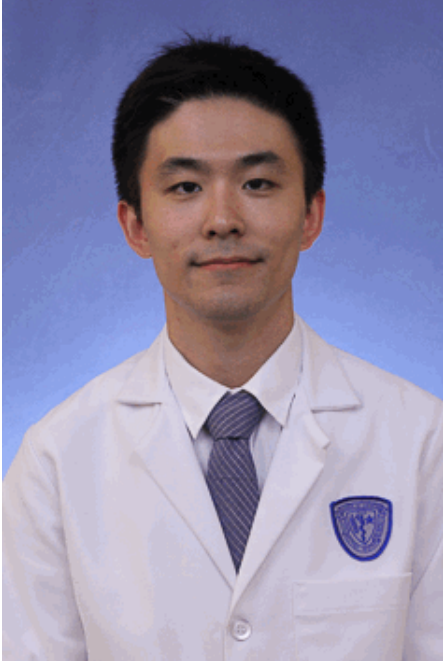
Email: wjw61@case.edu

Mentor: Umut Gurkan

PhD Program: Biomedical Engineering

Research Topic: Cellular mechanisms of CAR-T cell toxicity in the central nervous system

Undergrad: University of Nevada – Reno



Soon Yi

MSTP Year: G4+

Email: sxy530@case.edu

Mentor: Joseph Luna

PhD Program: Biochemistry

Research Topic: In vivo and in vitro characterization of RNA-protein interactions in different cellular context

Undergrad: Cooper Union

M3



Muta Abiff

MSTP Year: M3

Email: mx605@case.edu

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: The role of mechanosensitive ion channels in T cell anti-tumor function

Undergrad: SUNY Binghamton



James Ahad

MSTP Year: M3

Email: jna27@case.edu

Mentor: Nicole Seiberlich

PhD Program: Biomedical Engineering

Research Topic: Sequence design and reconstruction optimization for translation of magnetic resonance imaging

Undergrad: Washington University in St. Louis



Michaela Cooley

MSTP Year: M3

Email: mbc84@case.edu

Mentor: Agata Exner

PhD Program: Biomedical Engineering

Research Topic: Nanobubble ultrasound-contrast agents as a strategy to assess tumor microenvironment characteristics and nanoparticle extravasation

Undergrad: Case Western Reserve University



Michelle Cruz

MSTP Year: M3

Email: mac386@case.edu

Mentor: Alan Levine

PhD Program: Pathology/Immunology

Research Topic: Bidirectional communication between T cells and intestinal epithelial cell subsets in health and disease

Undergrad: Rensselaer Polytechnic Inst



Marc Ferrell

MSTP Year: M3

Email: maf167@case.edu

Mentor: Stanley Hazen

PhD Program: Systems Biology & Bioinformatics

Research Topic: Metagenomic and metabolomic approaches to determine contributors to residual cardiovascular disease risk

Undergrad: University of Florida



Anniya Gu

MSTP Year: M3

Email: axg826@case.edu

Mentor: Yan Li

PhD Program: Genetics & Genome Sciences

Research Topic: Single-cell genomics identifies disease-relevant genes in pancreatic islets

Undergrad: Syracuse University



Dan Jindal

MSTP Year: M3

Email: daj49@case.edu

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: Early Draper-mediated glial refinement of neuropil architecture and synapse number in the *Drosophila* antennal lobe

Undergrad: Stanford University



Hannah Kondolf

MSTP Year: M3

Email: hck23@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Engineering gasdermins for investigative and translational utility

Undergrad: Cornell University



Emma Kunderacik

MSTP Year: M3

Email: ecs120@case.edu

Mentor: Arne Rietsch

PhD Program: Molecular Biology & Microbiology

Research Topic: Needle tip-pore Interactions in the *Pseudomonas aeruginosa* type III secretion system translocon

Undergrad: University of Michigan



Morgan Lewis

MSTP Year: M3

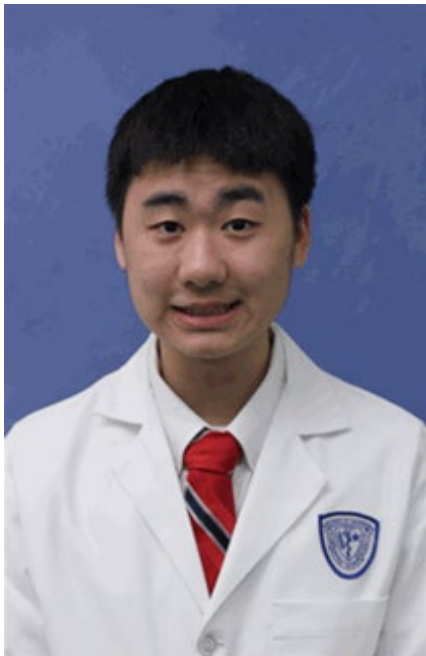
Email: mkm126@case.edu

Mentor: Jay Alberts

PhD Program: Clinical Translational Science

Research Topic: Leveraging advancements in virtual reality technology for the evaluation of neurological disease

Undergrad: Miami University – Ohio



George Luo

MSTP Year: M3

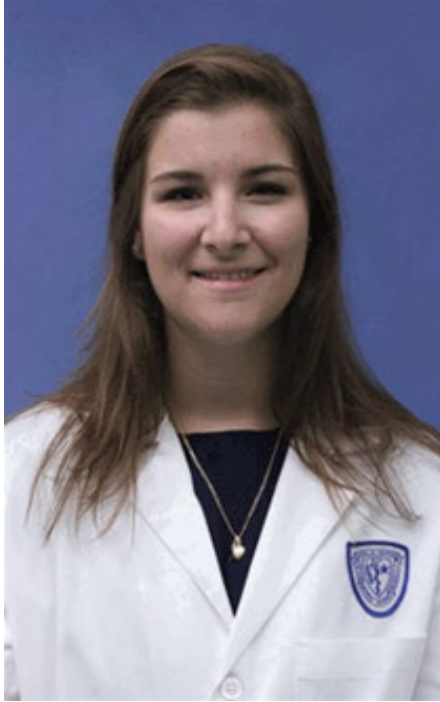
Email: gxl263@case.edu

Mentor: John Letterio

PhD Program: Pathology/Cancer Biology

Research Topic: Investigating mechanisms and pathways activated by synthetic oleanane triterpenoids

Undergrad: University of Wisconsin



Katrina Piemonte

MSTP Year: M3

Email: kmp112@case.edu

Mentor: Ruth Keri

PhD Program: Pharmacology

Research Topic: Amplifying chromosomal instability in triple negative breast cancer by leveraging kinase inhibitors

Undergrad: Ithaca College



Joel Sax

MSTP Year: M3

Email: jls340@case.edu

Mentor: Drew Adams

PhD Program: Genetics & Genome Sciences

Research Topic: Unbiased screening approaches reveal unique sterol biology and a unifying mechanism for sterol-driven oligodendrocyte formation

Undergrad: University of California – Berkeley



Preethy Sridharan

MSTP Year: M3

Email: pss46@case.edu

Mentor: Andrew Pieper

PhD Program: Neurosciences

Research Topic: Acute inhibition of aberrant mitochondrial fission after traumatic brain injury confers lasting neuroprotection into late adulthood

Undergrad: Carnegie-Mellon University



Davis Weaver

MSTP Year: M3

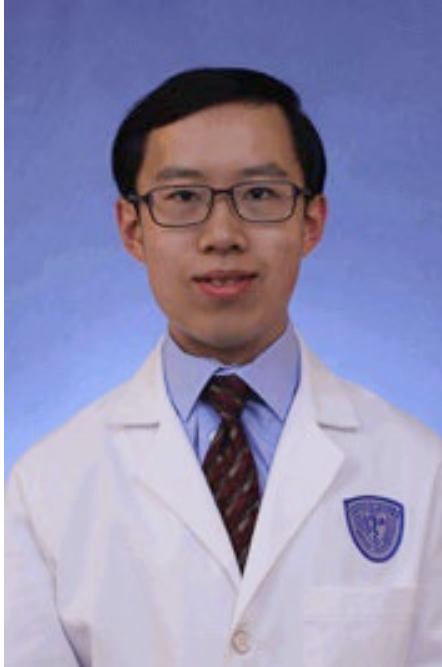
Email: dtw43@case.edu

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: Novel approaches for optimal therapy design in drug-resistant populations

Undergrad: Duke University



Derek Wong

MSTP Year: M3

Email: dpw42@case.edu

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Cancer Biology

Research Topic: Improving NK and T cell immunotherapies for hematologic malignancies

Undergrad: University of Chicago

M4



Brendan Barton

MSTP Year: M4

Email: bmb91@case.edu

Mentor: Stanley Adoro

PhD Program: Pathology/Immunology

Research Topic: The unfolded protein response sensors in T-cell development and effector differentiation

Undergrad: University of Rochester



Adrian Gomez-Nguyen

MSTP Year: M4

Email: adrian.gomez-nguyen@case.edu

Mentor: Fabio Cominelli

PhD Program: Pathology/Immunology

Research Topic: The Microbiome-gut-behavior axis in a mouse model of Crohn's Disease-like ileitis

Undergrad: University of Chicago



Uriel Kim

MSTP Year: M4

Email: ajl202@case.edu

Mentor: Kurt Stange

PhD Program: Clinical Translational Science

Research Topic: Health services access and cancer disparities among low-income Ohioans

Undergrad: University of Southern California



Adam Lauko

MSTP Year: M4

Email: ajl202@case.edu

Mentor: Justin Lathia

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: SERPINB3 drives cancer stem cell survival in glioblastoma

Undergrad: University of Wisconsin



William Miller-Little

MSTP Year: M4

Email: wam77@case.edu

Mentor: Xiaoxia Li

PhD Program: Pathology/Immunology

Research Topic: Mechanisms of glucocorticoid resistance in T Cells

Undergrad: Kenyon College



Jessica Scarborough

MSTP Year: M4

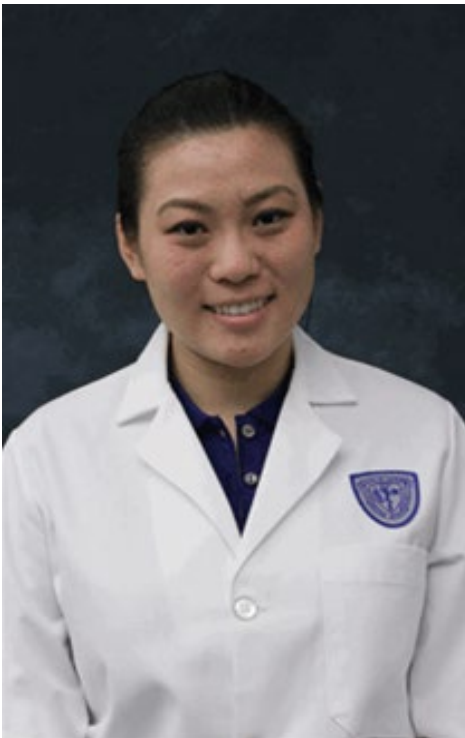
Email: jas613@case.edu

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: An evolutionary-inspired approach to the extraction and translation of biomarkers for the prediction of therapeutic response in cancer

Undergrad: University of San Francisco



Sydney Song

MSTP Year: M4

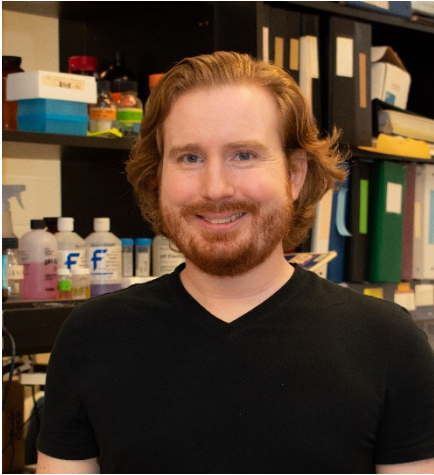
Email: sss176@case.edu

Mentor: Jeffrey Capadona

PhD Program: Biomedical Engineering

Research Topic: Genes and proteins at play: How genomic and proteomic expression at the tissue-intercortical microelectrode interface influences tissue response

Undergrad: Boston College



Aaron Talsma

MSTP Year: M4

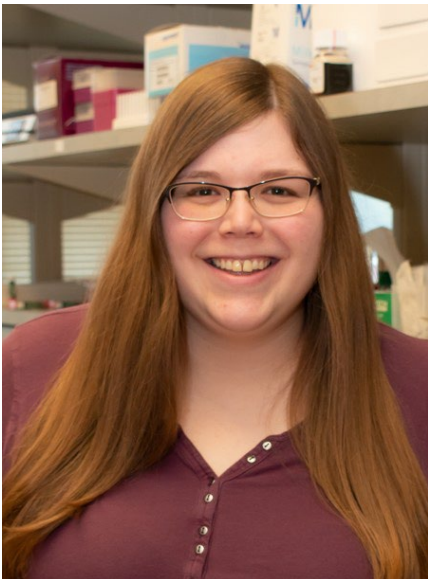
Email: adt44@case.edu

Mentor: Richard Zigmond

PhD Program: Neurosciences

Research Topic: Dissecting the roles of macrophage subpopulations responding to peripheral nerve injury in conditioning lesion-enhanced regeneration in vivo

Undergrad: University of Michigan



Alicia Vagnozzi

MSTP Year: M4

Email: anv7@case.edu

Mentor: Polyxeni Philippidou

PhD Program: Neurosciences

Research Topic: A Hox5-dependent genetic program shapes respiratory motor output

Undergrad: Northwestern University



Sarah Venus

MSTP Year: M4

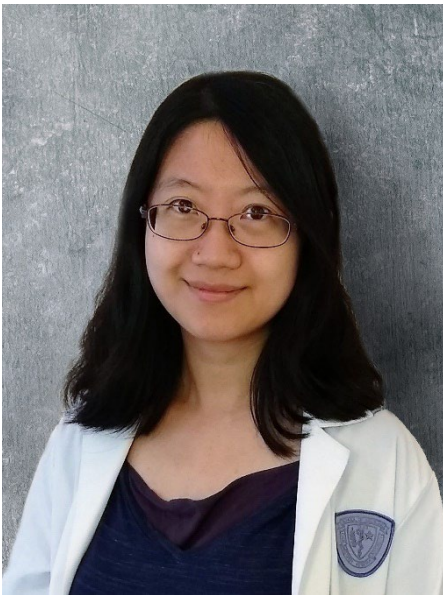
Email: slv19@case.edu

Mentor: Eckhard Jankowsky

PhD Program: Biochemistry

Research Topic: Characterizing the impact of viral protein binding on the function of the DEAD-box RNA helicase DDX3X

Undergrad: University of Cincinnati



Xinrui Zhang

MSTP Year: M4

Email: xxz487@case.edu

Mentor: Evan Deneris

PhD Program: Neurosciences

Research Topic: Reorganization of postmitotic neuronal chromatin accessibility for maturation of serotonergic identity

Undergrad: Harvard University