

2024-25 MSTP Students by Year in Program

M1

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

M2

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

G1

[Anuoluwapo Ajao](#)
[Emily Blaum](#)
[Salvatore \(Sonny\) 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](#)

G2

[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](#)

G3

[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](#)

G4+

[Sarah Barker](#)
[Bijoya \(Bijou\) Basu](#)
[Melissa Bonner](#)
[Brendan Boylan](#)
[Syrena Bracey](#)
[Razaq Durodoye](#)
[Daniel Feinberg](#)
[Zachary Grimmett](#)
[Natalie Hong](#)
[Natasha Ingles](#)
[Brian Kim](#)
[Emily Klemm](#)

G4+ continued

[Erik Koritzinsky](#)
[Alexander Lesser](#)
[Katherine Letai](#)
[Kevin Newhall](#)
[Meghan O'Keefe](#)
[Vanessa Salazar](#)
[Joseph Schindler](#)
[Josephine Trichka](#)
[Sabrina Wang](#)
[William Wulfange](#)
[Jesse Zhan](#)

M3

[Lucie Ahn](#)
[Yi Fan Chen](#)
[Erin Cohn](#)
[Raza Haider](#)
[Emily Hannon](#)
[Ellen Hong](#)
[Olive Jung](#)
[Eshan King](#)
[Morgan Lewis](#)
[Angela Liu](#)
[Jennings Luu](#)
[Alicia Santin](#)
[Nicholas Venetos](#)
[Soon Yeul Yi](#)

M4

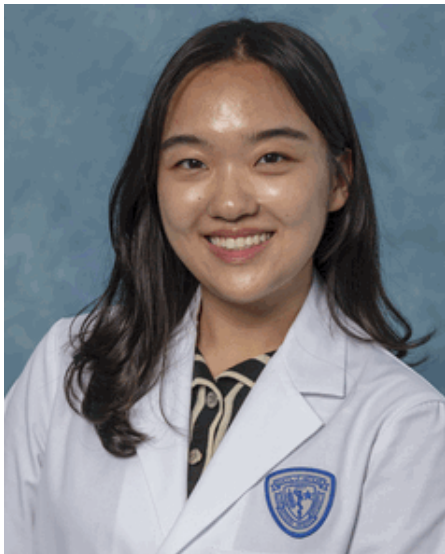
[Muta Abiff](#)
[James Ahad](#)
[Michaela Cooley](#)
[Michelle Cruz](#)
[Marc Ferrell](#)
[Anniya Gu](#)
[Hannah Kondolf](#)
[Emma Kundracik](#)
[George Luo](#)
[Katrina Piemonte](#)
[Joel Sax](#)
[Preethy Sridharan](#)
[Davis Weaver](#)
[Derek Wong](#)

M1



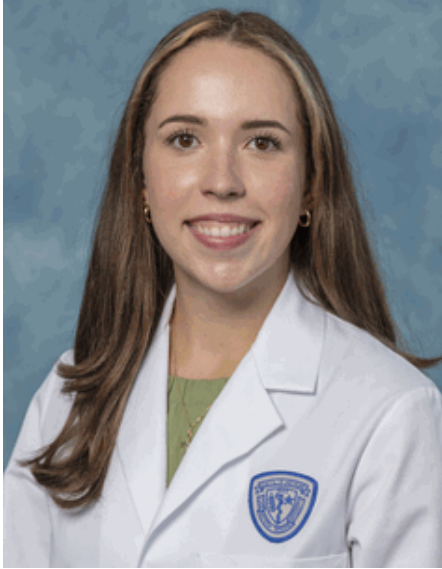
Hamza Dahshi

MSTP Year: M1
Email: hxd327@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Texas at Dallas



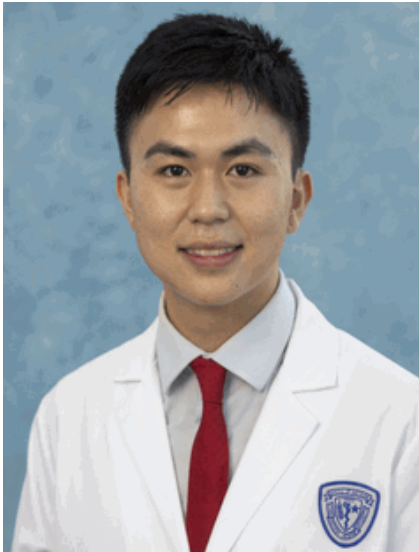
Yunsun (Sunny) Eoh

MSTP Year: M1
Email: yxe39@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Southern California



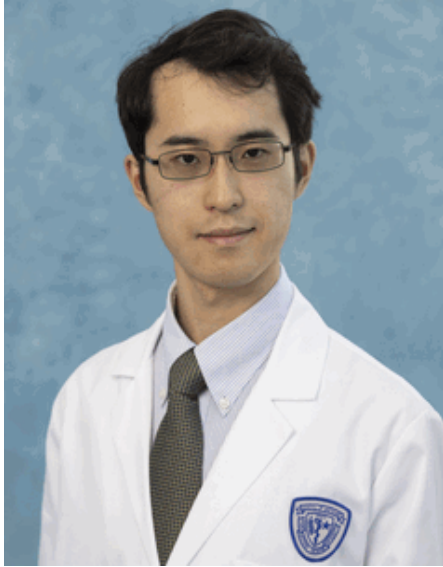
Sophia Gavalas

MSTP Year: M1
Email: stg57@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Georgia



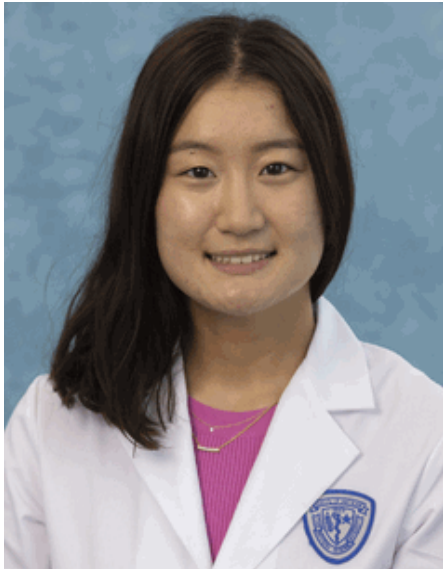
Skyler Hoang

MSTP Year: M1
Email: hhh38@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Rutgers University – New Brunswick



Benjamin Huang

MSTP Year: M1
Email: bxh510@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



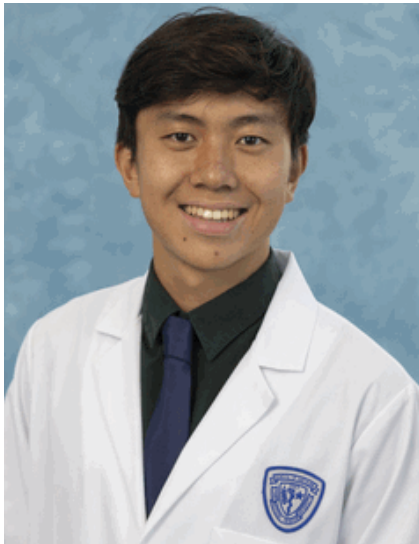
Joyce Kim

MSTP Year: M1
Email: jhk164@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Claremont McKenna College



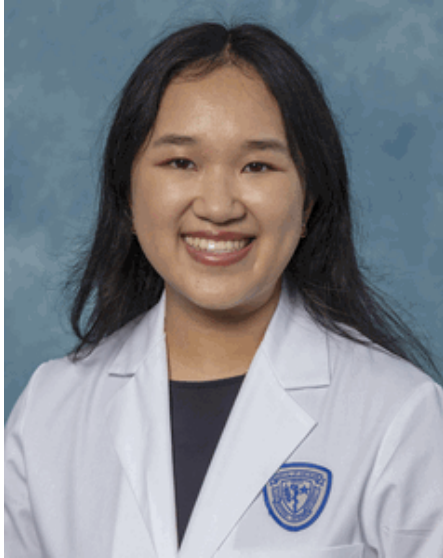
Alexander Levashkevich

MSTP Year: M1
Email: aal127@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Michigan – Ann Arbor



Matthew Liu

MSTP Year: M1
Email: mhl104@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Pennsylvania



Uyen Mai

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



Bryce Mashimo

MSTP Year: M1
Email: blm132@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Boston University



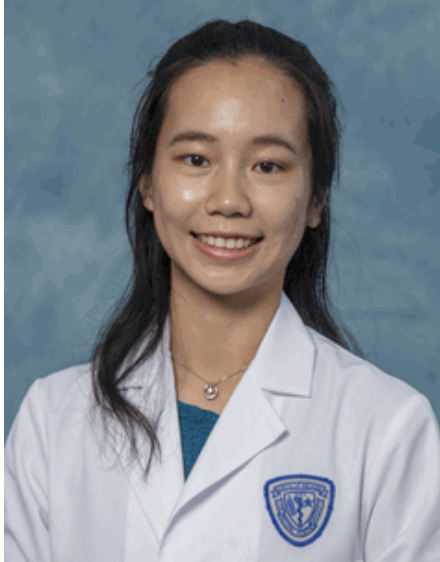
Tommy Nguyen

MSTP Year: M1
Email: thn40@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Pennsylvania



Scout Osborne

MSTP Year: M1
Email: smo64@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Oregon State University



Tzu-Ni (Mini) Sin

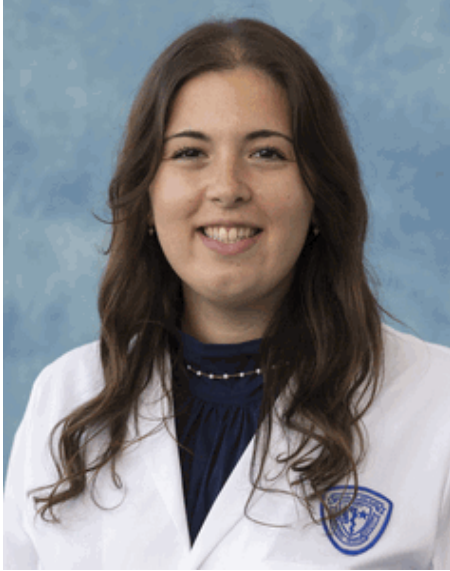
MSTP Year: M1
Email: txs871@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of California – Davis

M2



Gustavo Borjas

MSTP Year: M2
Email: gjb89@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Emory University



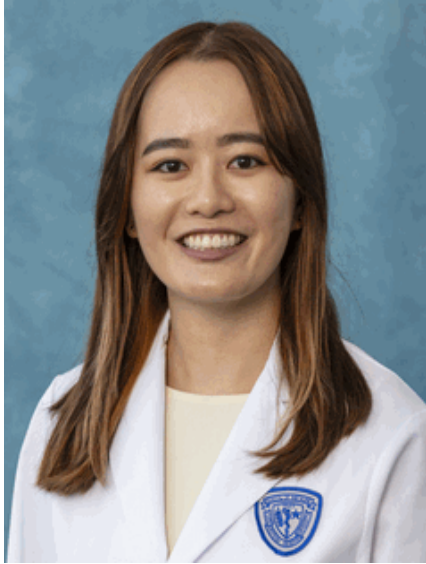
Juliana Condoleo

MSTP Year: M2
Email: jmc406@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



Mahip Kalra

MSTP Year: M2
Email: mxk9346@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Vanderbilt University



Sophie Lee

MSTP Year: M2

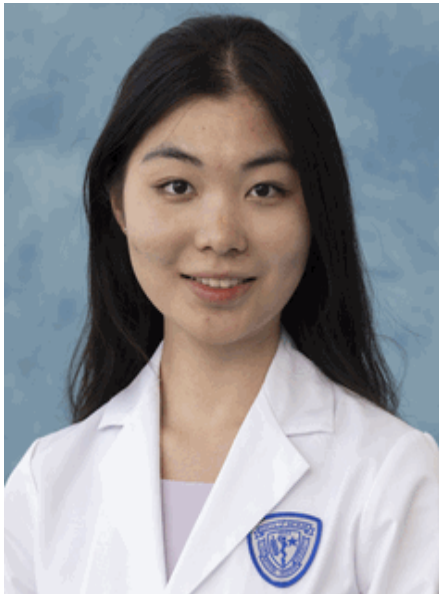
Email: scl95@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles



Alice Liu

MSTP Year: M2

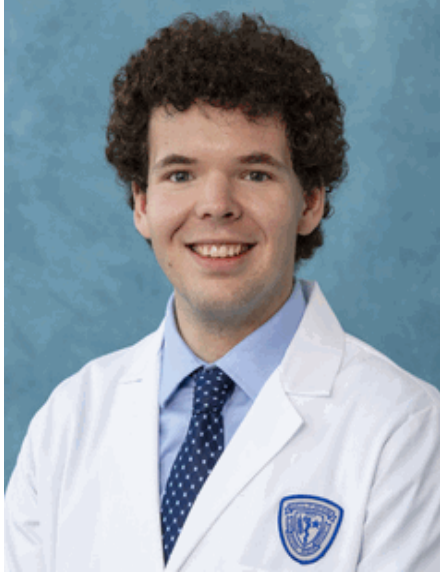
Email: asl107@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Illinois at Chicago



Zachary Player

MSTP Year: M2
Email: zep7@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Florida



Jacob Smothers

MSTP Year: M2
Email: jbs211@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: West Virginia University



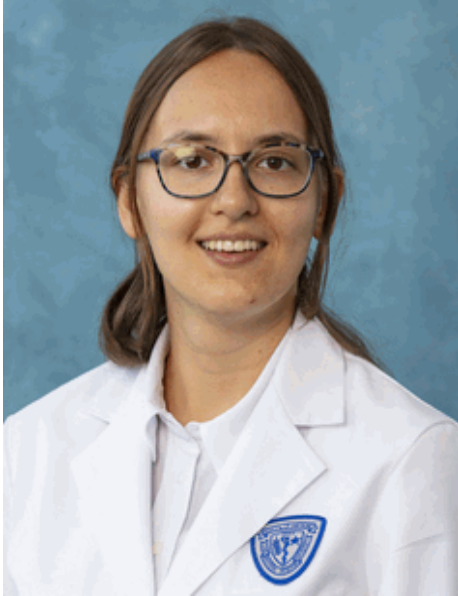
Danielle Streever

MSTP Year: M2
Email: dls386@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Cornell University



Mahmoud Summers

MSTP Year: M2
Email: mxs141@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Johns Hopkins University



Sofiya Vyshnya

MSTP Year: M2

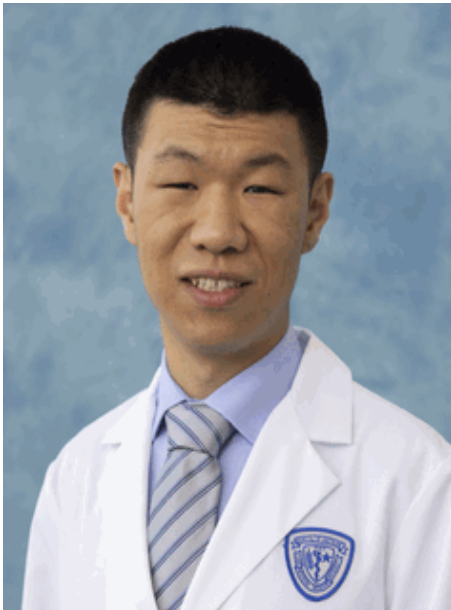
Email: sxv274@case.edu

Mentor: Satish Viswanath

PhD Program: Biomedical Engineering

Research Topic: Using radiomic features and deep learning to characterize cancer severity and spread using digital histology, MRI, and CT imaging

Undergrad: Georgia Institute of Technology



Patrick Zhuang

MSTP Year: M2

Email: pxz223@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

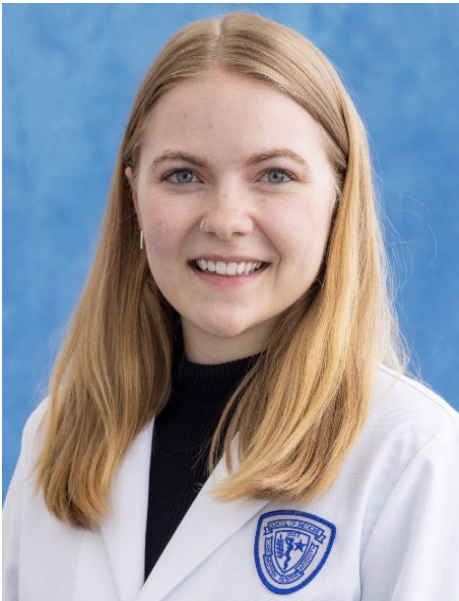
Undergrad: Williams College

G1



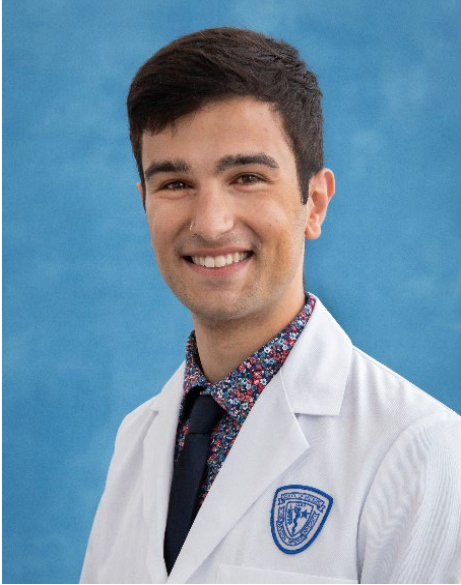
Anuoluwapo Ajao

MSTP Year: G1
Email: axa1581@case.edu
Mentor: Roberto Vargas
PhD Program: Pathology/Cancer Biology
Research Topic: Elucidating therapeutic resistance pathways in cervical cancer
Undergrad: University of Massachusetts – Boston



Emily Blaum

MSTP Year: G1
Email: emb190@case.edu
Mentor: Neetu Gupta
PhD Program: Pathology/Immunology
Research Topic: Tumor immunology
Undergrad: Boston University of Maryland



Salvatore (Sonny) Caradonna

MSTP Year: G1

Email: sgc48@case.edu

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Undecided

Undergrad: The Ohio State University



Andy Chen

MSTP Year: G1

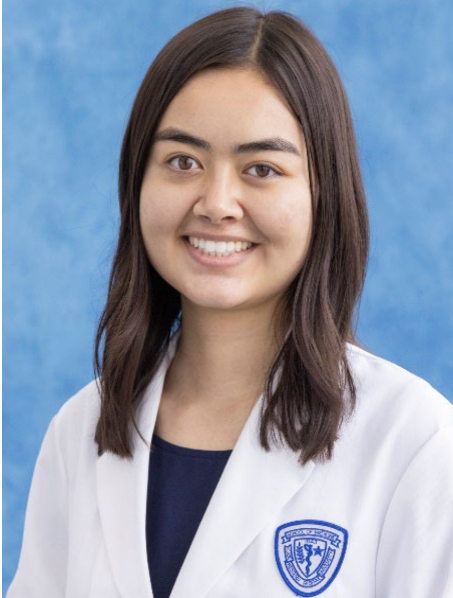
Email: axc1267@case.edu

Mentor: Ashleigh Schaffer

PhD Program: Genetics & Genome Sciences

Research Topic: Undecided

Undergrad: Emory University



Laura Chen

MSTP Year: G1

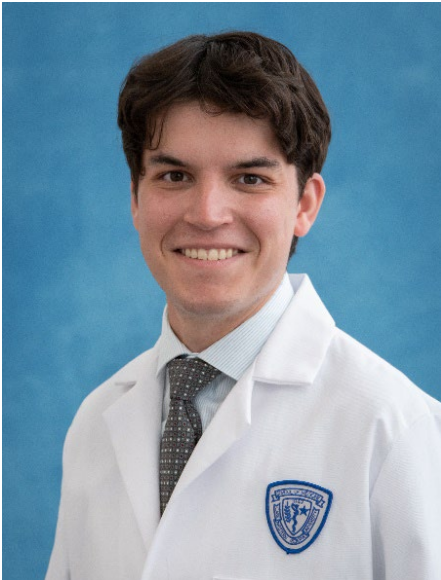
Email: lxc732@case.edu

Mentor: Agata Exner

PhD Program: Biomedical Engineering

Research Topic: Biological engineering

Undergrad: Massachusetts Institute of Technology



Alexander Crane

MSTP Year: G1

Email: ajc406@case.edu

Mentor: Christopher McFarland

PhD Program: Genetics & Genome Sciences

Research Topic: EMT in lung cancer

Undergrad: University of Pennsylvania



Alexander Foden

MSTP Year: G1

Email: ajf176@case.edu

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: Neuroplasticity/glial neurobiology

Undergrad: University of California – Irvine



Benjamin Hauk

MSTP Year: G1

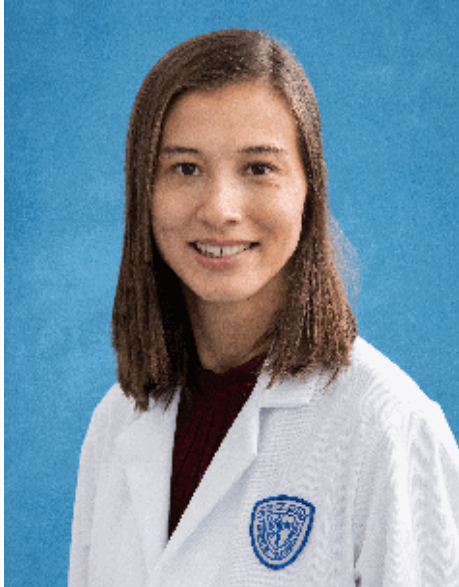
Email: bxh462@case.edu

Mentor: Corey Speers

PhD Program: Pathology/Cancer Biology

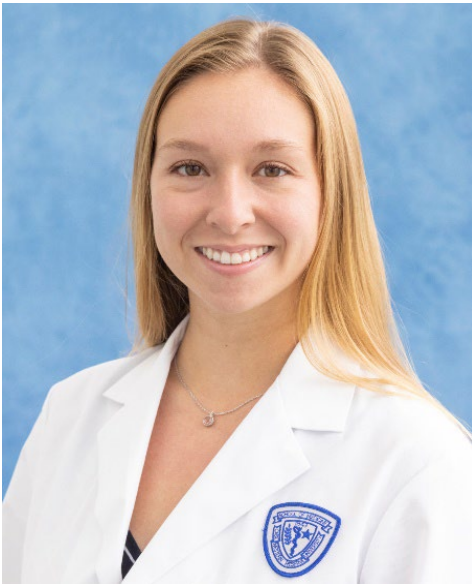
Research Topic: Breast cancer radiation oncology

Undergrad: College of William & Mary



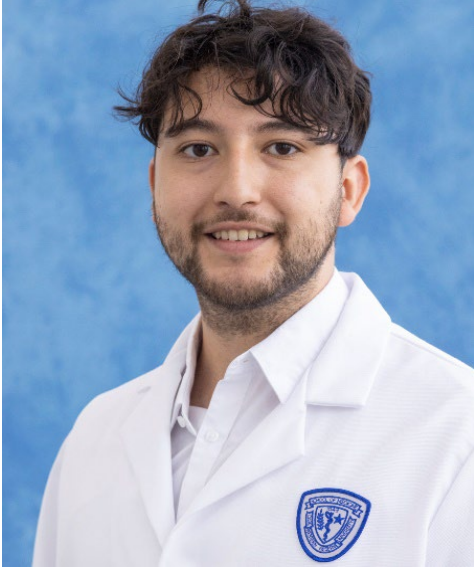
Inga Hwang

MSTP Year: G1
Email: imh38@case.edu
Mentor: Efstathios Karathanasis
PhD Program: Biomedical Engineering
Research Topic: Undecided
Undergrad: University of California – Los Angeles



Kayla Klatt

MSTP Year: G1
Email: krk110@case.edu
Mentor: Reshmi Parameswaran
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Johns Hopkins University



Victor Pastrana-Gomez

MSTP Year: G1

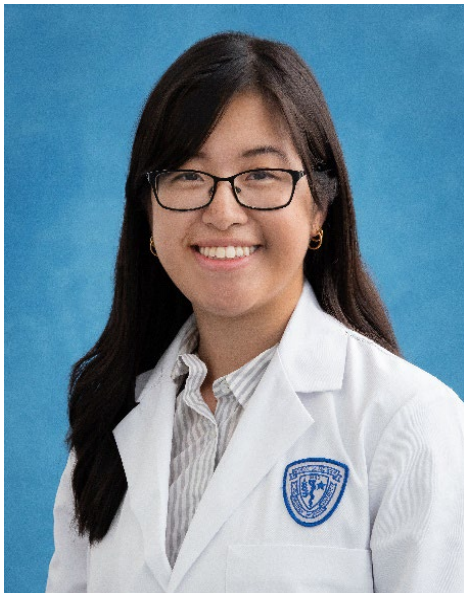
Email: vmp46@case.edu

Mentor: Agata Exner

PhD Program: Biomedical Engineering

Research Topic: Undecided

Undergrad: University of Illinois at Urbana-Champaign



Iris Peng

MSTP Year: G1

Email: ixp94@case.edu

Mentor: Allison Kraus

PhD Program: Pathology/Molecular and Cellular Basis of Disease

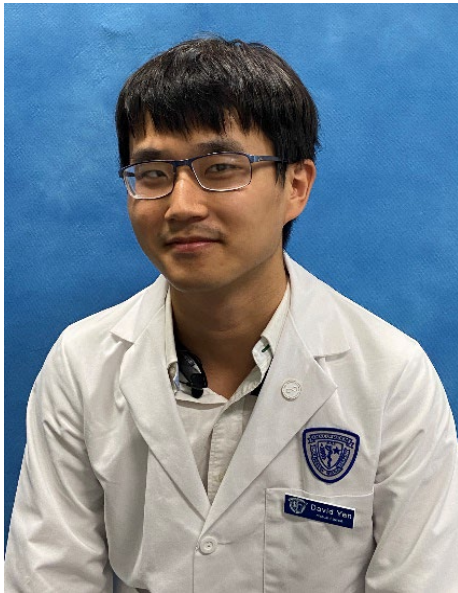
Research Topic: The role of astrocytes in the pathology of tau-based neurodegenerative diseases

Undergrad: Brown University



Javier Urcuyo Acevedo

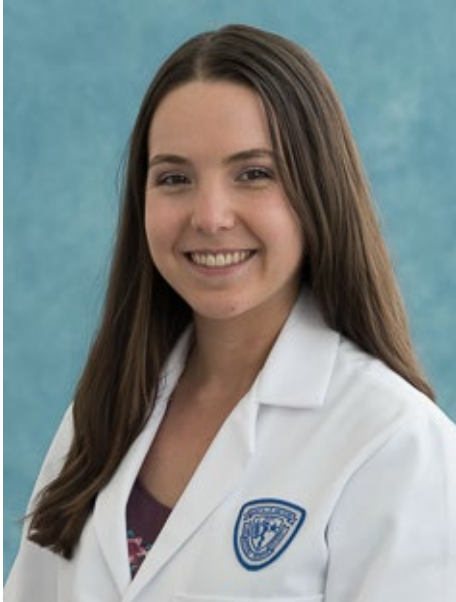
MSTP Year: G1
Email: jcu7@case.edu
Mentor: Alex Huang
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Arizona State University



David Yan

MSTP Year: G1
Email: dfy3@case.edu
Mentor: Drew Adams
PhD Program: Genetics & Genome Sciences
Research Topic: Chemical biology
Undergrad: Case Western Reserve University

G2



Corynn Appolonia

MSTP Year: G2

Email: cna24@case.edu

Mentor: Parameswaran Ramakrishnan

PhD Program: Pathology/Immunology

Research Topic: The role of microRNA146a in regulation of autoimmunity in type 1 diabetes

Undergrad: University of Pittsburgh



Henock Befekadu

MSTP Year: G2

Email: hbb34@case.edu

Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

Research Topic: Characterizing the structural mechanisms and pharmacology of 5HT 3AB R and its modulators

Undergrad: Carleton College



Indrani Das

MSTP Year: G2

Email: ixd63@case.edu

Mentor: David Wald

PhD Program: Pathology/Immunology

Research Topic: iNKR CAR-T Cells: a novel strategy to mitigate CAR-T toxicity

Undergrad: Harvard University



Katherine Dominic

MSTP Year: G2

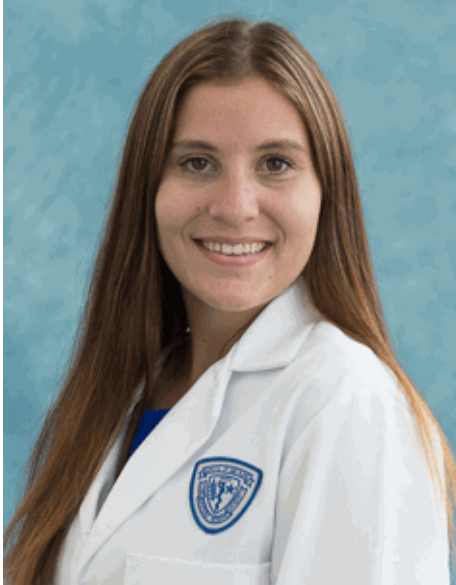
Email: kld85@case.edu

Mentor: Julian Stelzer

PhD Program: Physiology & Biophysics

Research Topic: cMyBPC regulation in cardiac muscle

Undergrad: University of California – Berkeley



Claire Fritz

MSTP Year: G2

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: G2

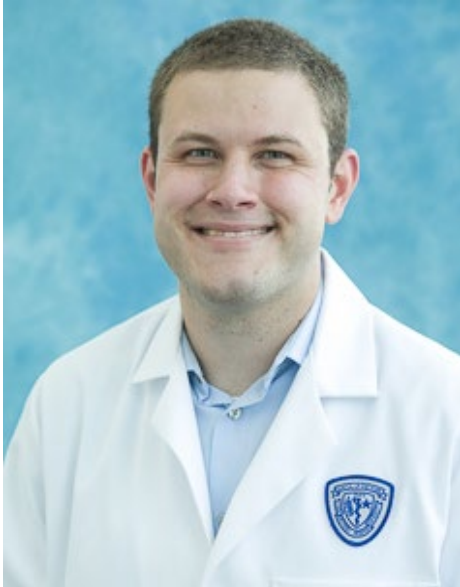
Email: jjj20@case.edu

Mentor: Robert Fairchild

PhD Program: Pathology/Immunology

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

Undergrad: Washington and Lee University



Hans Leier

MSTP Year: G2

Email: hcl25@case.edu

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: The role of glia in experience-dependent plasticity

Undergrad: Reed College



Christina MacAskill

MSTP Year: G2

Email: cjm191@case.edu

Mentor: Christopher Flask

PhD Program: Biomedical Engineering

Research Topic: Biomedical engineering, medical imaging

Undergrad: Case Western Reserve University



Marc Scemama de Gialluly

MSTP Year: G2

Email: mas608@case.edu

Mentor: Drew Adams

PhD Program: Pathology/Cancer Biology

Research Topic: Small molecule targeting of TRIM21 for targeted protein degradation

Undergrad: University of Richmond



Brendan Sheehan

MSTP Year: G2

Email: bks60@case.edu

Mentor: Derek Taylor

PhD Program: Pharmacology

Research Topic: Cellular metabolism

Undergrad: Oberlin College



Paulameena Shultes

MSTP Year: G2

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: G2

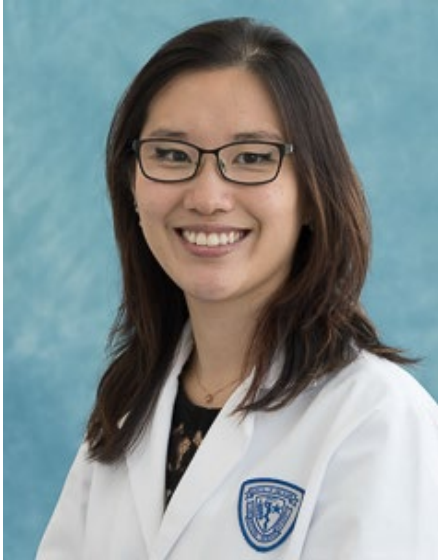
Email: pxs524@case.edu

Mentor: David Wilson

PhD Program: Biomedical Engineering

Research Topic: Cardiovascular risk prediction from CT Calcium score exams

Undergrad: Johns Hopkins University



Jeehyun Karen You

MSTP Year: G2

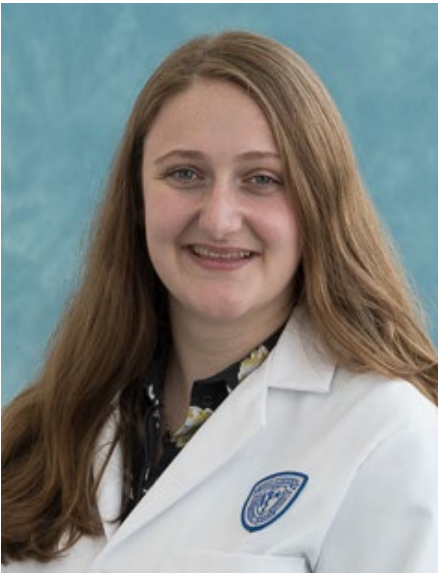
Email: jxy953@case.edu

Mentor: Theresa Pizarro

PhD Program: Biochemistry

Research Topic: Regulation of gasdermin B (GSDMB)-dependent epithelial function by nitric oxide and/or S-nitrosylation during inflammatory bowel disease (IBD)

Undergrad: SUNY Stony Brook



Hannah Zamore

MSTP Year: G2

Email: hgz24@case.edu

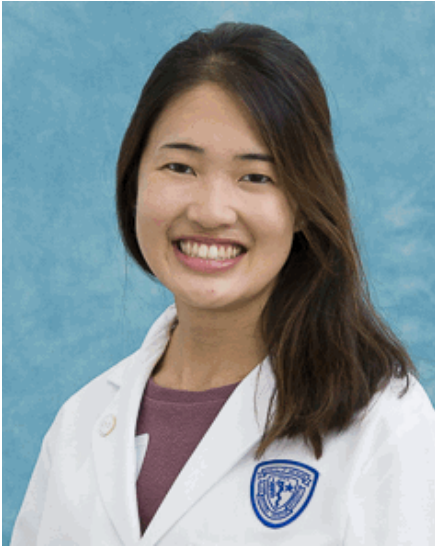
Mentor: Allison Kraus

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Co-occurrence of α -synuclein and tau in Lewy Body Disease

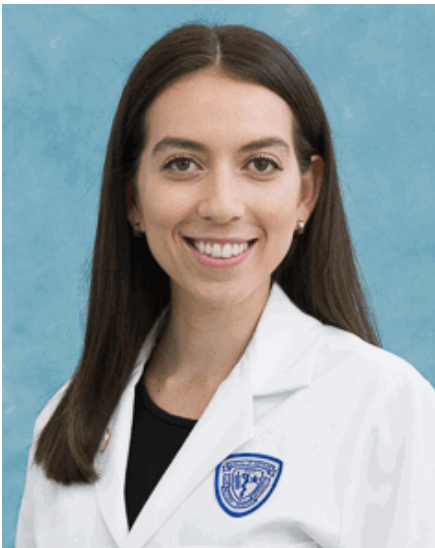
Undergrad: Bryn Mawr College

G3



Diana Chin

MSTP Year: G3
Email: dhc64@case.edu
Mentor: Berkley Gryder
PhD Program: Genetics & Genome Sciences
Research Topic: Epigenomics and cancer
Undergrad: Princeton University



Sofia Corella

MSTP Year: G3
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: G3

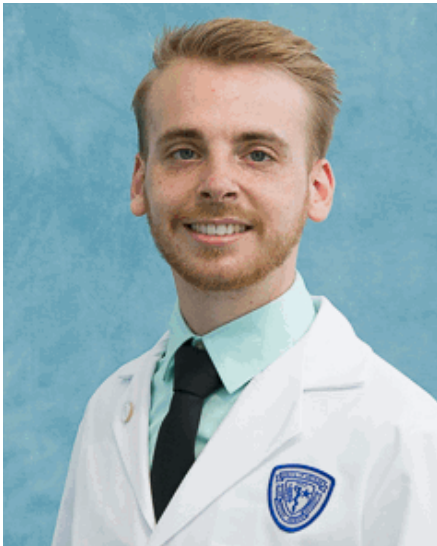
Email: hrd14@case.edu

Mentor: Jennifer Yu

PhD Program: Pathology/Cancer Biology

Research Topic: Translation regulation contributes to hypoxia adaptation in glioblastoma

Undergrad: Johns Hopkins University



Paul Karell

MSTP Year: G3

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: G3

Email: rxk614@case.edu

Mentor: Andrew Dhawan

PhD Program: Systems Biology & Bioinformatics

Research Topic: Uncovering the effect of astrocyte-mediated dynamics on growth of breast cancer brain metastases: an agent-based modeling study

Undergrad: University of California – Davis



Thomas Lavin

MSTP Year: G3

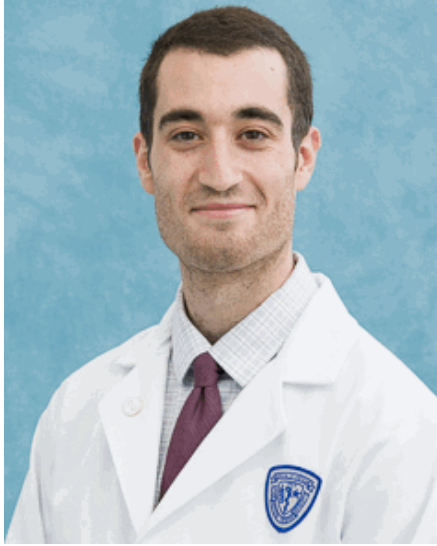
Email: tk119@case.edu

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: G3

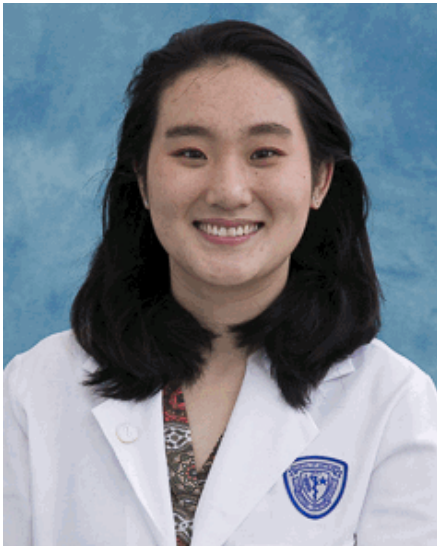
Email: bgm37@case.edu

Mentor: Michael Rothberg

PhD Program: Biomedical & Health Informatics

Research Topic: Predicting venous thromboembolism and major bleeding using structured and unstructured electronic health record data

Undergrad: Hamilton College



Michelle Pan

MSTP Year: G3

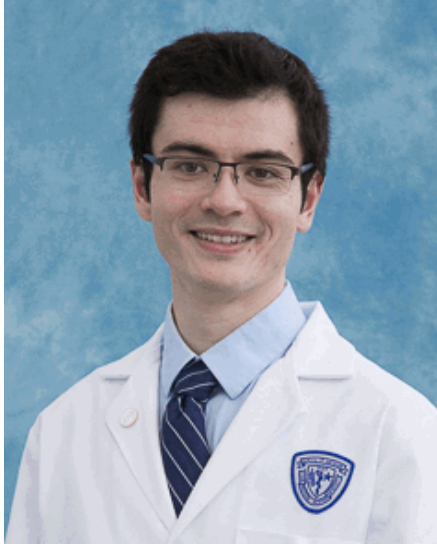
Email: mjp238@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Biochemical regulation of MLKL during necroptosis

Undergrad: Franklin & Marshall College



Kyle Starost

MSTP Year: G3

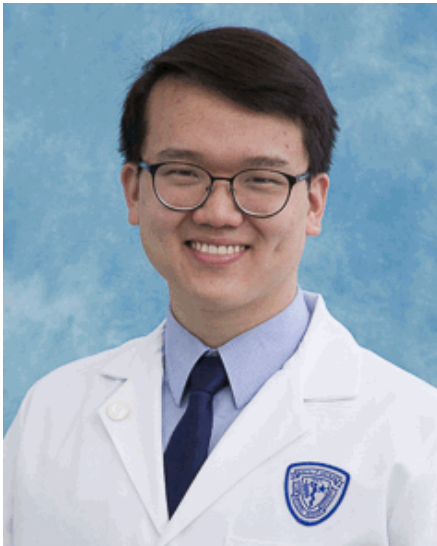
Email: kas265@case.edu

Mentor: Seth Field

PhD Program: Pathology/Cancer Biology

Research Topic: Golgi trafficking and cancer physiology

Undergrad: Case Western Reserve University



Stephen Wang

MSTP Year: G3

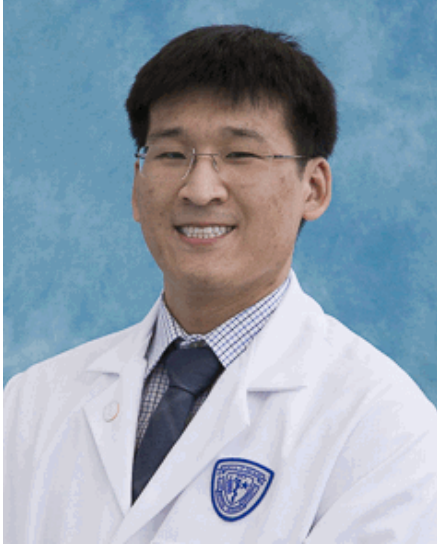
Email: slw105@case.edu

Mentor: Timothy Chan

PhD Program: Genetics & Genome Sciences

Research Topic: Engineering T cell Immunity Against
Driver Mutations in Lung Cancer

Undergrad: Yale University



Douglas Wu

MSTP Year: G3

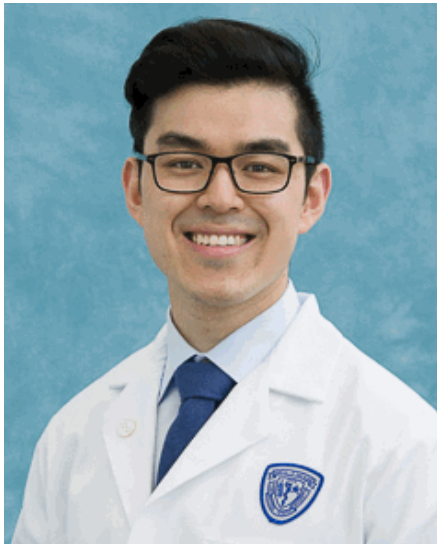
Email: dhw45@case.edu

Mentor: Samuel Senyo

PhD Program: Biomedical Engineering

Research Topic: Synthesis and characterization of cardiac matrix-derived biopolymeric nanoparticles for restoration of myocardial function

Undergrad: University of Michigan



Ying Xiong

MSTP Year: G3

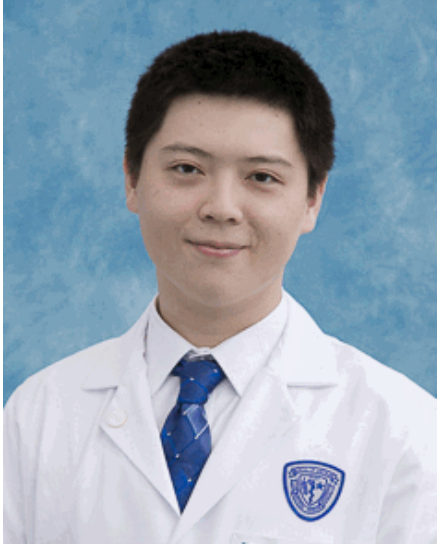
Email: yxx685@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Pathological inflammation alters oligodendrocyte differentiation and function

Undergrad: University of Pennsylvania



Walter Zhao

MSTP Year: G3

Email: wxz485@case.edu

Mentor: Dan Ma

PhD Program: Biomedical Engineering

Research Topic: Clinical translation of MR fingerprinting for neuroimaging

Undergrad: Johns Hopkins University

G4+



Sarah Barker

MSTP Year: G4+

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 (Bijou) Basu

MSTP Year: G4+

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



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

Undergrad: University of Maryland – Baltimore County



Razaq Durodoye

MSTP Year: G4+

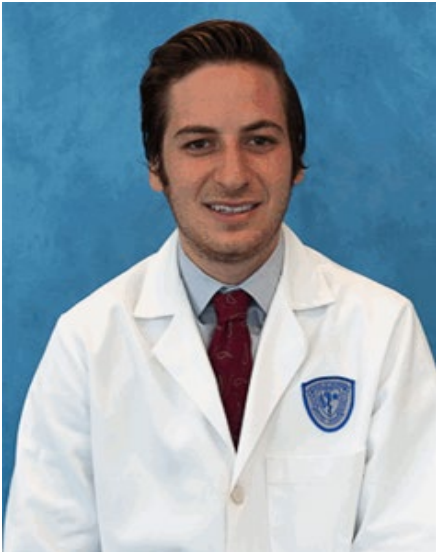
Email: rod10@case.edu

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: G4+

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



Zachary Grimmatt

MSTP Year: G4+

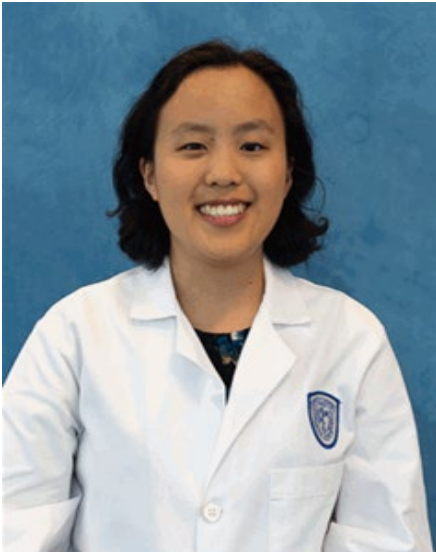
Email: zyg198@case.edu

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



Natalie Hong

MSTP Year: G4+

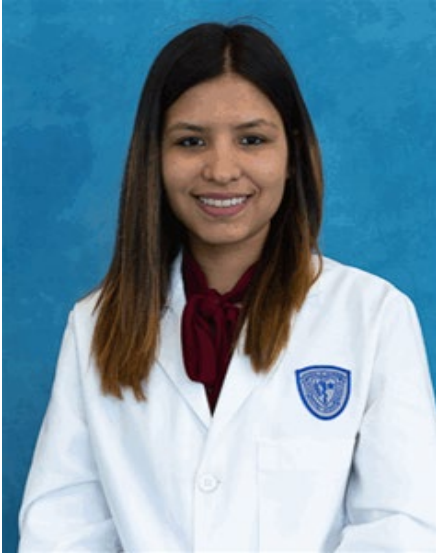
Email: neh47@case.edu

Mentor: Andrei Maiseyeu

PhD Program: Biomedical Engineering

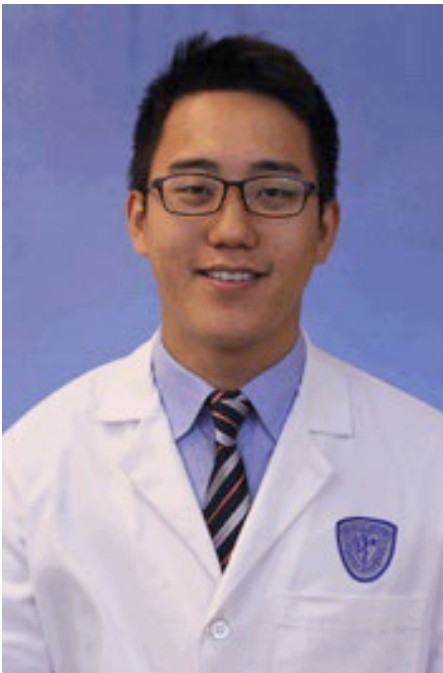
Research Topic: Developing itaconate-based oral nanoparticles for the following: 1) to reduce inflammation and cholesterol accumulation in the setting of atherosclerosis, and 2) to modulate inflammation in the setting of multiple sclerosis

Undergrad: Carnegie Mellon University



Natasha Ingles

MSTP Year: G4+
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



Brian Kim

MSTP Year: G4+
Email: bxk342@case.edu
Mentor: Atul Chopra
PhD Program: Genetics & Genome Sciences
Research Topic: Asprosin transactivation underlies obesity relapse and inheritance
Undergrad: University of Pennsylvania



Emily Klemm

MSTP Year: G4+
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



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



Katherine Letai

MSTP Year: G4+

Email: kcl68@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

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

Undergrad: Princeton University



Kevin Newhall

MSTP Year: G4+

Email: kpn11@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

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

Undergrad: Vassar College



Meghan O'Keefe

MSTP Year: G4+

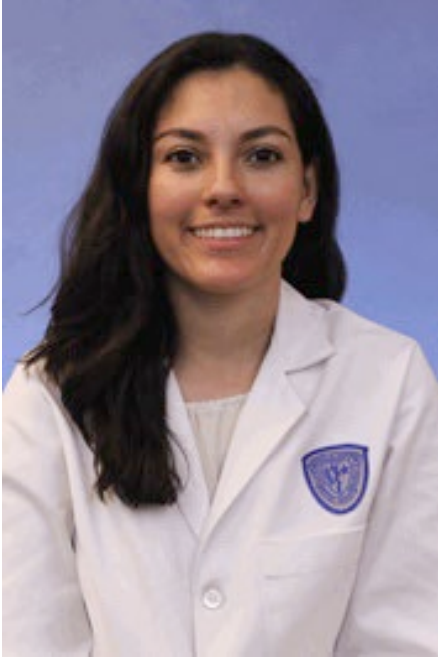
Email: meo72@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Phosphoproteomics of inflammasome signaling

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



Joseph Schindler

MSTP Year: G4+

Email: jcs186@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of alternative splicing via S-nitrosylation

Undergrad: Middlebury College



Josephine Trichka

MSTP Year: G4+

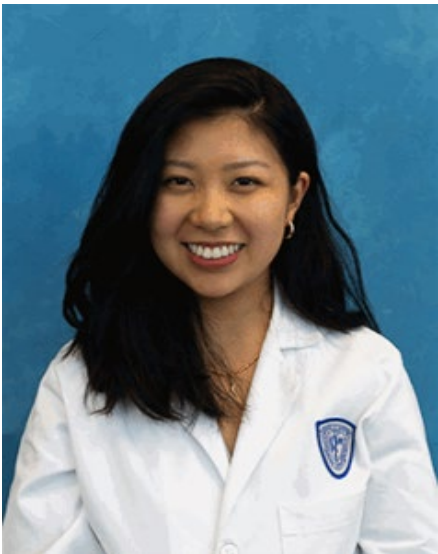
Email: jjt78@case.edu

Mentor: Stanley Adoro

PhD Program: Pathology/Immunology

Research Topic: Regulation of tissue-intrinsic interferon responses in skeletal muscle by the ESCRT protein CHMP5

Undergrad: Middlebury College



Sabrina Wang

MSTP Year: G4+

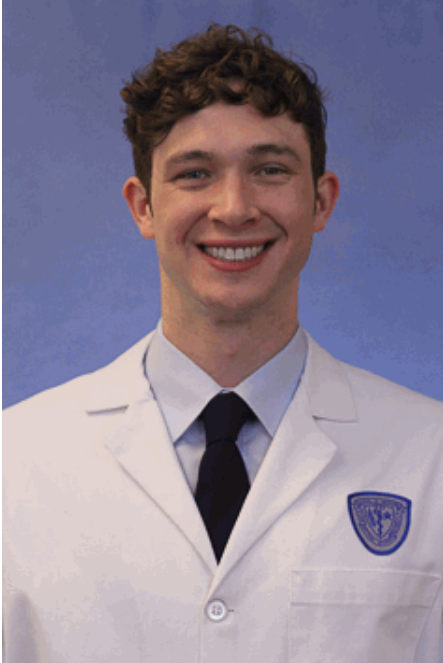
Email: szw7@case.edu

Mentor: Justin Lathia

PhD Program: Pathology/Cancer Biology

Research Topic: Identifying the function of lipocalin 2 in glioblastoma

Undergrad: Johns Hopkins University



William Wulftange

MSTP Year: G4+

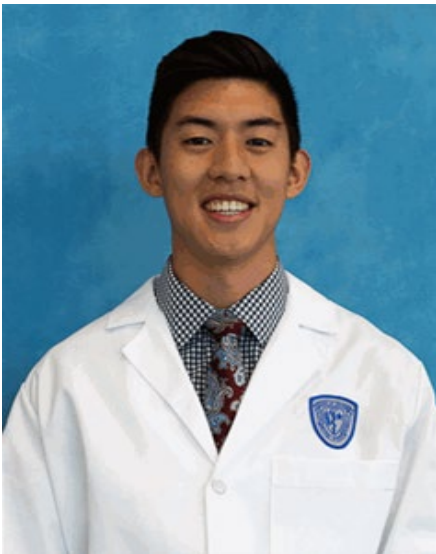
Email: wjw61@case.edu

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



Jesse Zhan

MSTP Year: G4+

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

M3



Lucie Ahn

MSTP Year: M3
Email: yxa133@case.edu
Mentor: Ashleigh Schaffer
PhD Program: Genetics & Genome Sciences
Research Topic: Harnessing the power of stem cell technologies in epilepsy research: from disease modeling to drug discovery
Undergrad: Duke University



Yi Fan Chen

MSTP Year: M3
Email: yxc1272@case.edu
Mentor: Drew Adams
PhD Program: Genetics & Genome Sciences
Research Topic: Beyond nuclear export: expanding the biology and chemical biology of exportin-1
Undergrad: Cornell University



Erin Cohn

MSTP Year: M3

Email: efc35@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Oligodendrocyte dysfunction and resilience amidst environmental stress

Undergrad: Wesleyan University



Raza Haider

MSTP Year: M3

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: M3

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: M3

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



Olive Jung

MSTP Year: M3

Email: oxj19@case.edu

PhD Program: NIH GPP

Research Topic: Utilisation of in vitro and in vivo model systems to investigate complex physiological responses of endothelial cells to stress and stimuli

Undergrad: Cornell University



Eshan King

MSTP Year: M3

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



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



Angela Liu

MSTP Year: M3

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: M3

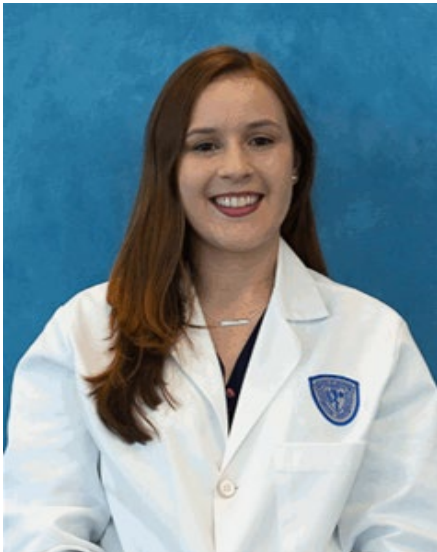
Email: jxl1574@case.edu

Mentor: Yoshikazu Inamishi, Krzysztof Palczewski

PhD Program: Pharmacology

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



Alicia Santin

MSTP Year: M3

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



Nicholas Venetos

MSTP Year: M3

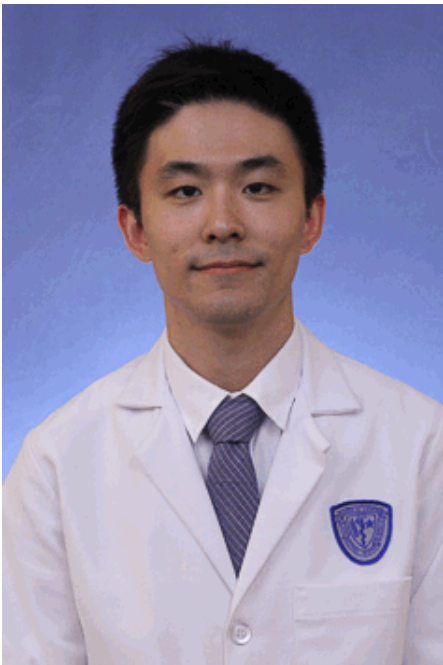
Email: nmv22@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of lipid metabolism by S-nitrosylation and the S-nitroso-coenzyme A reductase SCoR2

Undergrad: The Ohio State University



Soon Yeul Yi

MSTP Year: M3

Email: sxy530@case.edu

Mentor: Joseph Luna

PhD Program: Biochemistry

Research Topic: Subcellular and quantitative perspectives of RNA protein interactions

Undergrad: Cooper Union

M4



Muta Abiff

MSTP Year: M4

Email: mxa605@case.edu

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: Host and tumor intrinsic factors affecting the T cell response in pediatric cancer

Models

Undergrad: SUNY Binghamton



James Ahad

MSTP Year: M4

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: M4

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: M4

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: M4

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: M4

Email: axg826@case.edu

Mentor: Yan Li

PhD Program: Genetics & Genome Sciences

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

Undergrad: Syracuse University



Hannah Kondolf

MSTP Year: M4

Email: hck23@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Engineering gasdermins for investigative and translational utility

Undergrad: Cornell University



Emma Kundracik

MSTP Year: M4

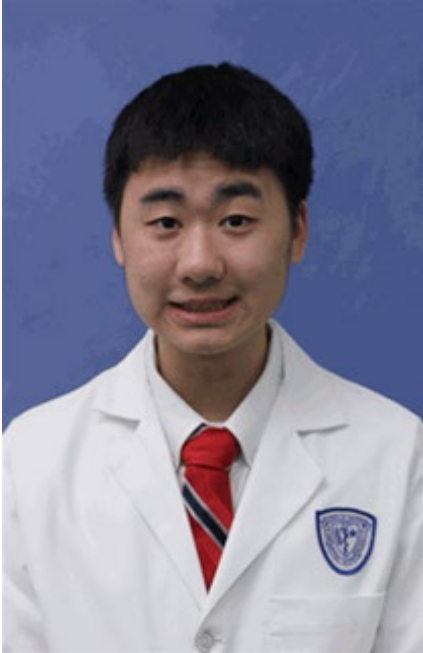
Email: ecs120@case.edu

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



George Luo

MSTP Year: M4

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: M4

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: M4

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: M4

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: M4

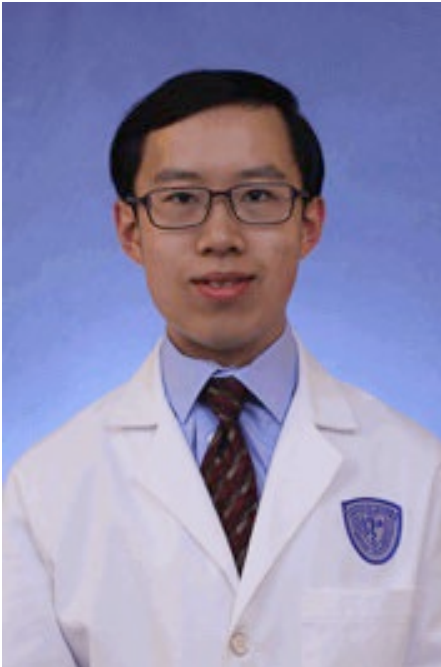
Email: dtw43@case.edu

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: M4

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