

## 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](#)

### G1 continued

[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](#)

### G4+ continued

[Ellen Hong](#)  
[Brian Kim](#)  
[Erik Koritzinsky](#)  
[Alexander Lesser](#)  
[Angela Liu](#)  
[Jennings Luu](#)  
[Meghan O'Keefe](#)  
[Vanessa Salazar](#)  
[Josephine Trichka](#)  
[Nicholas Venetos](#)  
[William Wulfange](#)  
[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

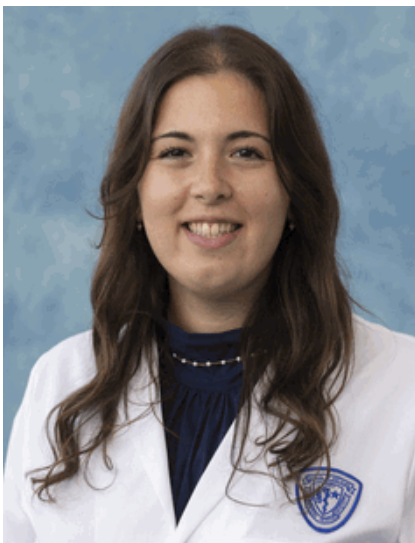
[Brendan Barton](#)  
[Adrian Gomez-Nguyen](#)  
[Uriel Kim](#)  
[Adam Lauko](#)  
[William Miller-Little](#)  
[Jessica Scarborough](#)  
[Sydney Song](#)  
[Aaron Talsma](#)  
[Alicia Vagnozzi](#)  
[Sarah Venus](#)  
[Xinrui Zhang](#)

M1



**Gustavo Borjas**

MSTP Year: M1  
Email: [gjb89@case.edu](mailto:gjb89@case.edu)  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: Emory University



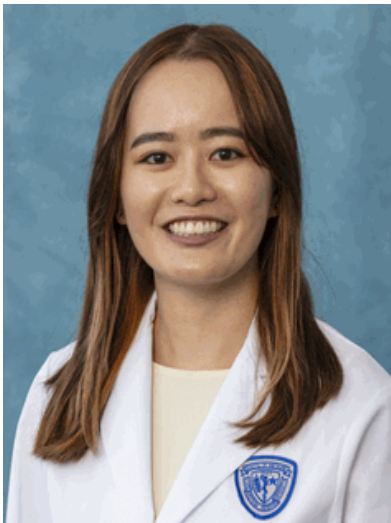
**Juliana Condoleo**

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



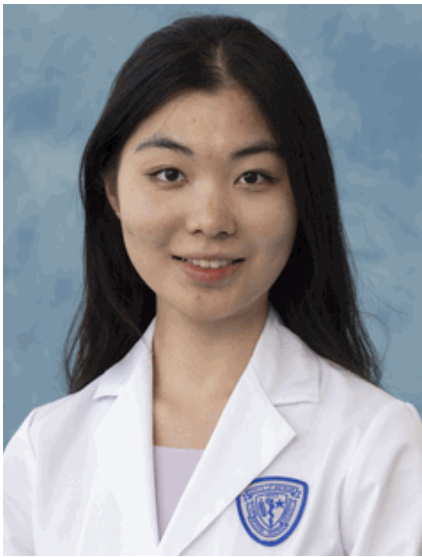
## Mahip Kalra

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



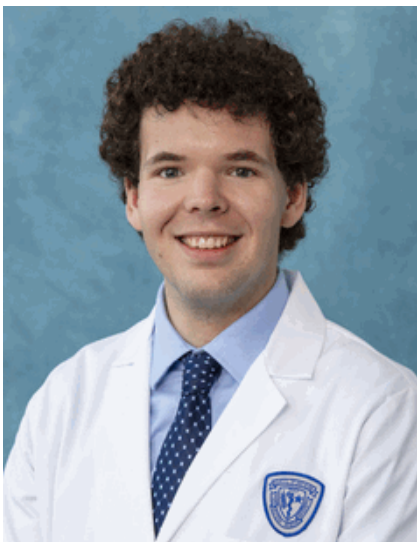
Alice Liu

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



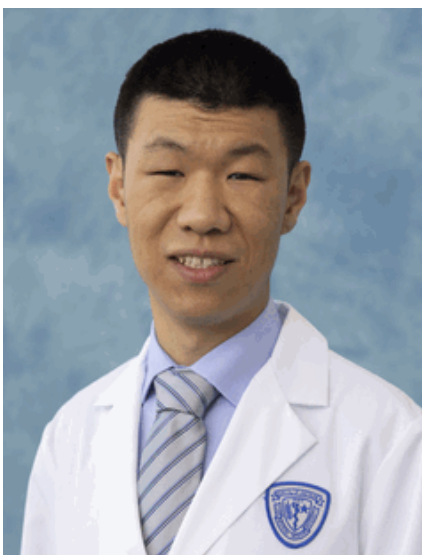
## Mahmoud Summers

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: [svv274@case.edu](mailto:svv274@case.edu)  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: Georgia Institute of Technology



## Patrick Zhuang

MSTP Year: M1  
Email: [pxz223@case.edu](mailto:pxz223@case.edu)  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: Williams College

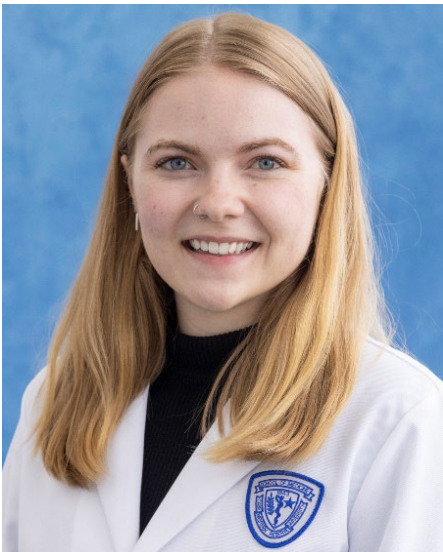


M2



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





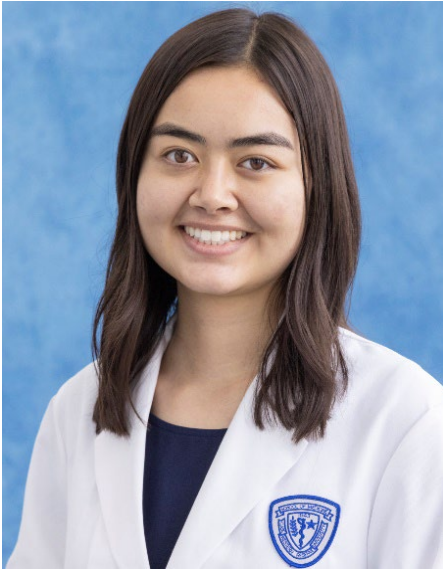
## Salvatore Caradonna

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



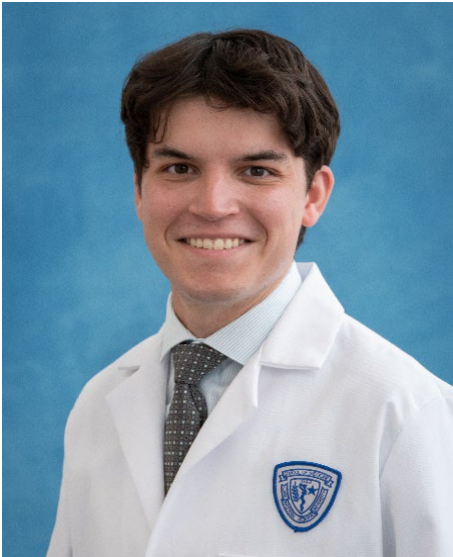
## Andy Chen

MSTP Year: M2  
Email: [axc1267@case.edu](mailto: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](mailto:ajf176@case.edu)

Mentor: Heather Broihier

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Irvine



## Benjamin Hauk

MSTP Year: M2

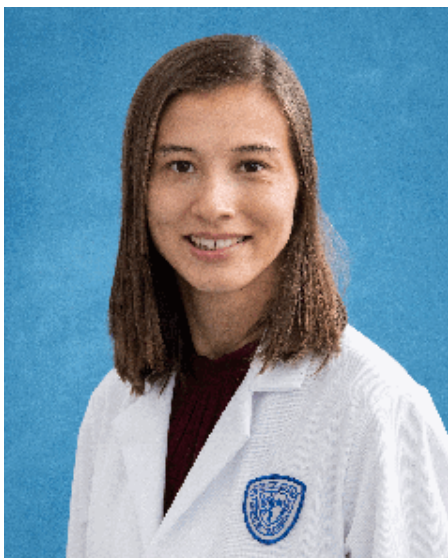
Email: [bxh462@case.edu](mailto:bxh462@case.edu)

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: College of William & Mary



## Inga Hwang

MSTP Year: M2

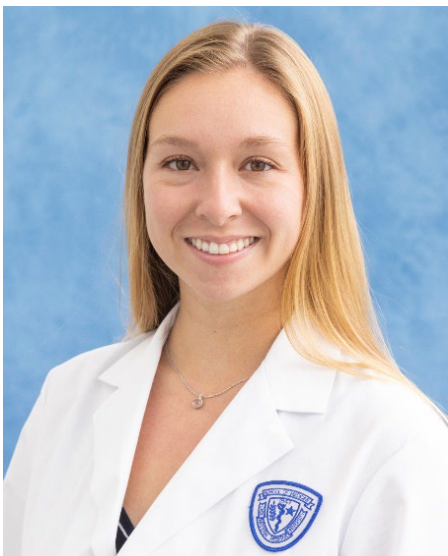
Email: imh38@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles



## Kayla Klatt

MSTP Year: M2

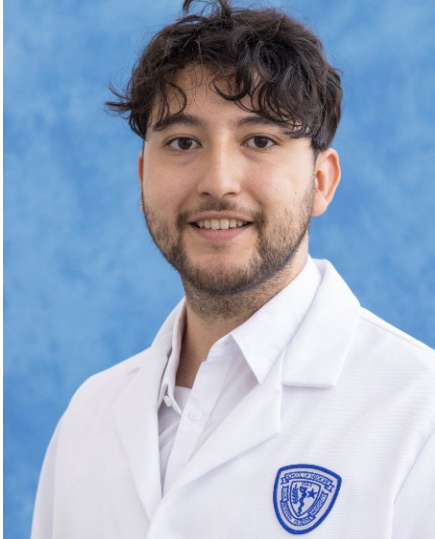
Email: krk110@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Johns Hopkins University



## Victor Pastrana-Gomez

MSTP Year: M2

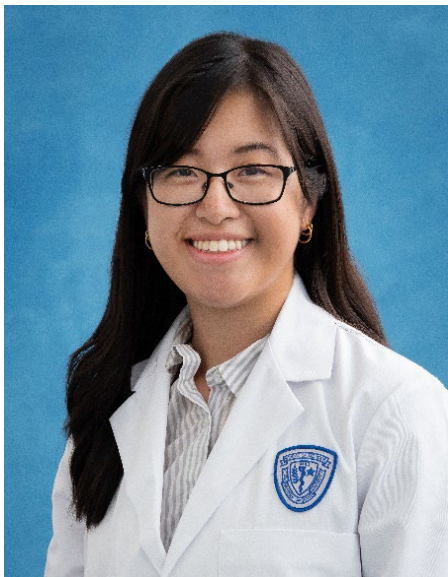
Email: [vmp46@case.edu](mailto:vmp46@case.edu)

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Illinois at Urbana-Champaign



## Iris Peng

MSTP Year: M2

Email: [ixp94@case.edu](mailto:ixp94@case.edu)

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

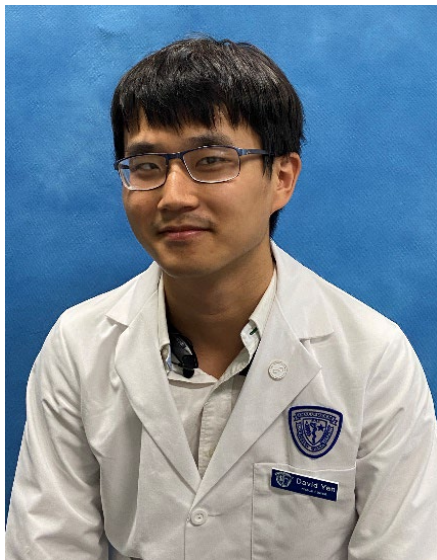
Undergrad: Brown University





## Javier Urcuyo Acevedo

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



## David Yan

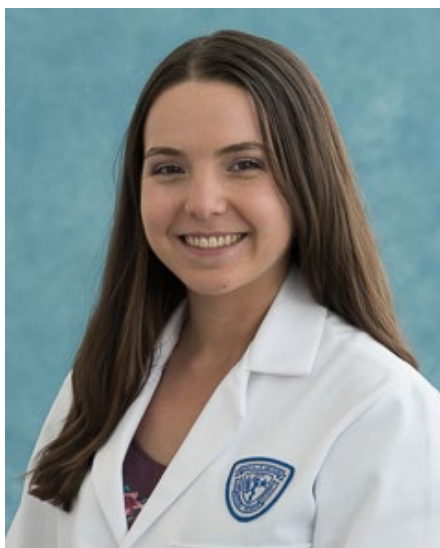
MSTP Year: M2  
Email: dfy3@case.edu  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: Case Western Reserve University

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

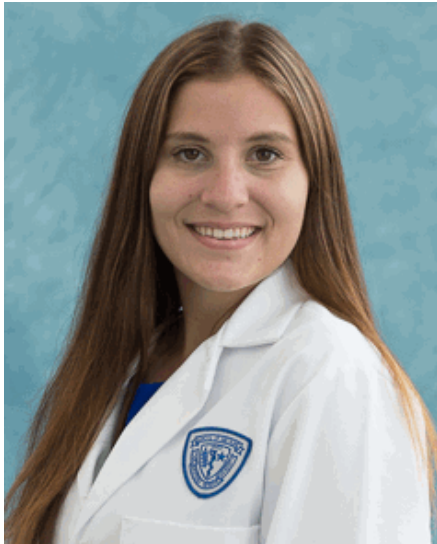
Email: [kld85@case.edu](mailto:kld85@case.edu)

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](mailto: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

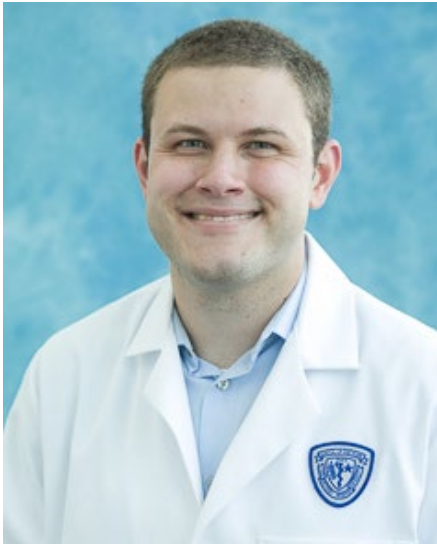
Email: [jjj20@case.edu](mailto:jjj20@case.edu)

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](mailto: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](mailto: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](mailto: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

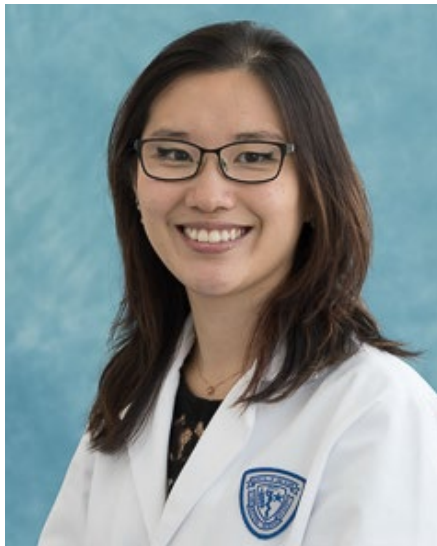
Email: pxs524@case.edu

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

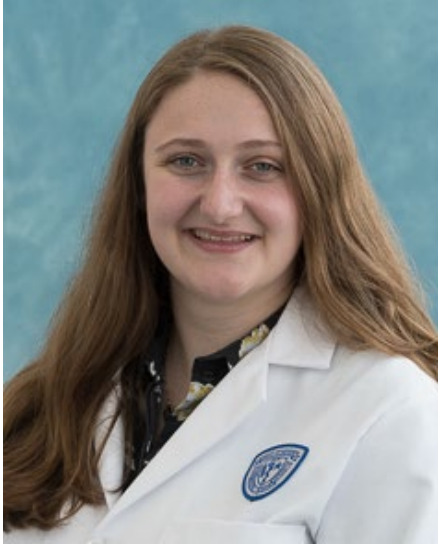
Mentor: Theresa Pizarro

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: [hgz24@case.edu](mailto:hgz24@case.edu)

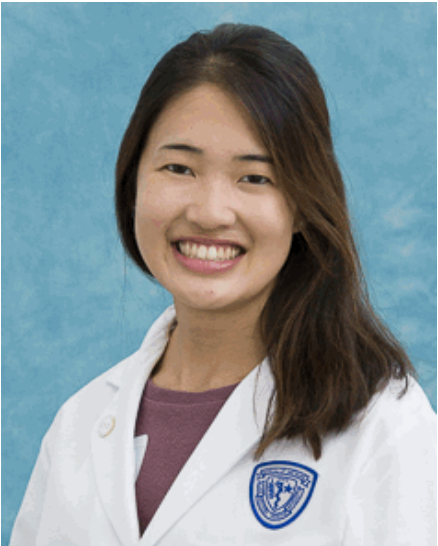
Mentor: Allison Kraus

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](mailto:dhc64@case.edu)

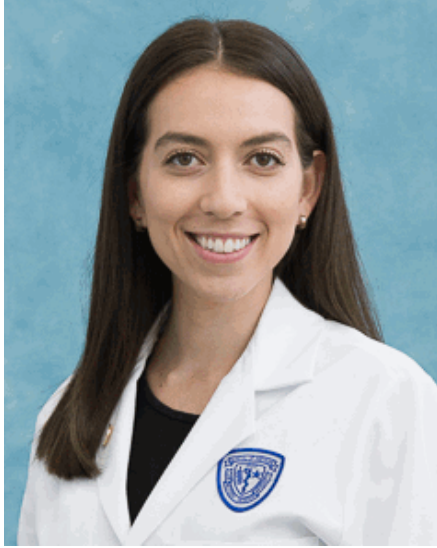
Mentor: Berkley Gryder

PhD Program: Genetics & Genome Sciences

Research Topic: Epigenomics and cancer

Undergrad: Princeton University





## Sofia Corella

MSTP Year: G2

Email: [sgc65@case.edu](mailto: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

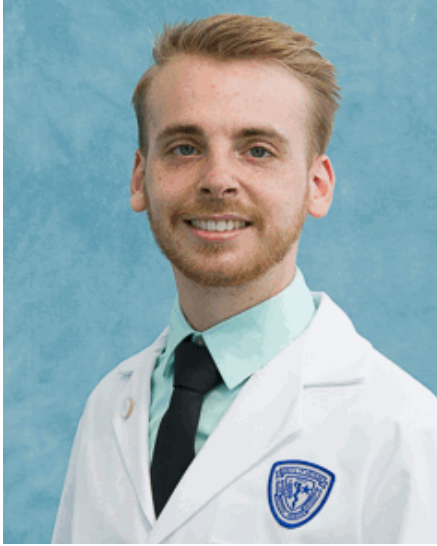
Email: [hrd14@case.edu](mailto:hrd14@case.edu)

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: Ruth Keri

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

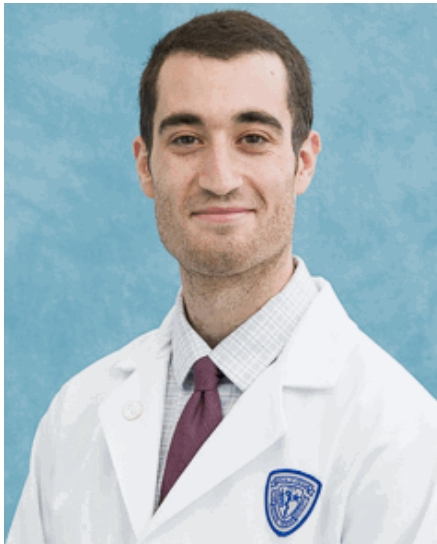
Email: [tkl19@case.edu](mailto:tkl19@case.edu)

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

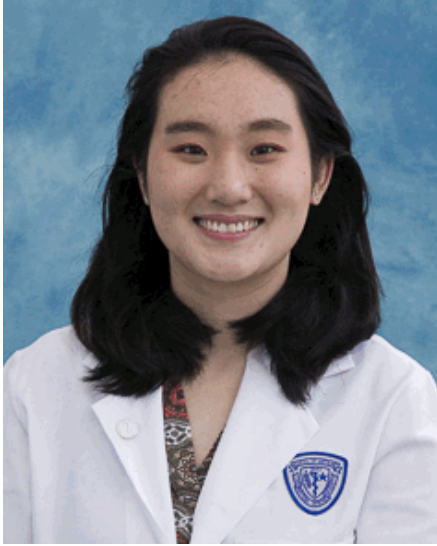
Email: [bgm37@case.edu](mailto:bgm37@case.edu)

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

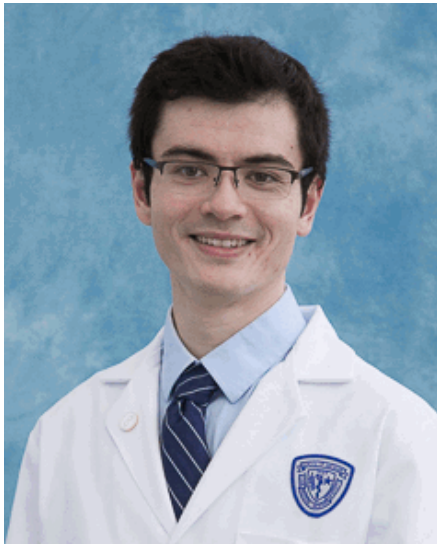
Email: [mjp238@case.edu](mailto:mjp238@case.edu)

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

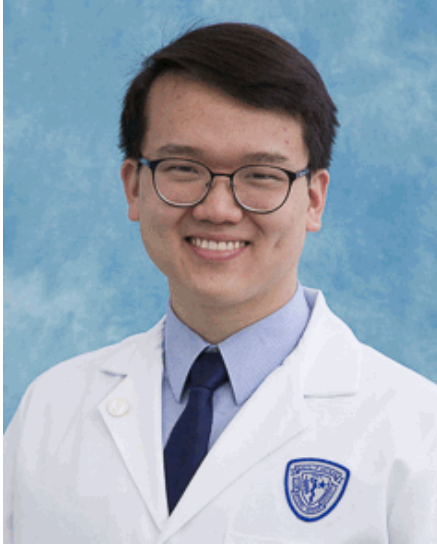
Email: [kas265@case.edu](mailto:kas265@case.edu)

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

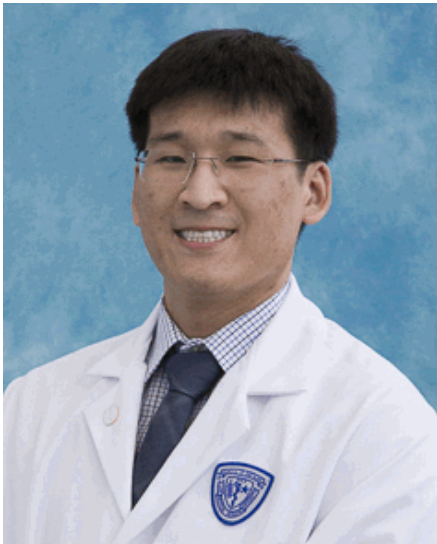
Email: [slw105@case.edu](mailto:slw105@case.edu)

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

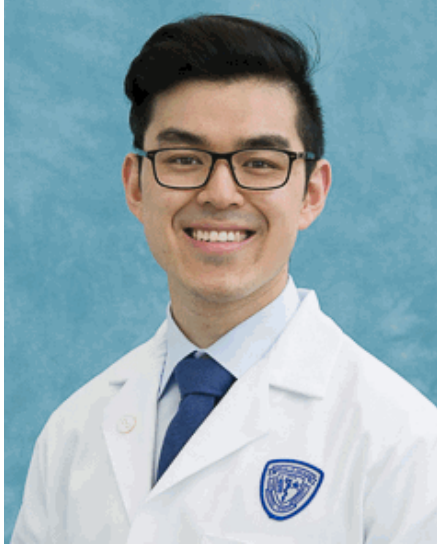
Email: [dhw45@case.edu](mailto:dhw45@case.edu)

Mentor: Samuel Senyo

PhD Program: Biomedical Engineering

Research Topic: Tissue engineering and regenerative medicine

Undergrad: University of Michigan



## Ying Xiong

MSTP Year: G2

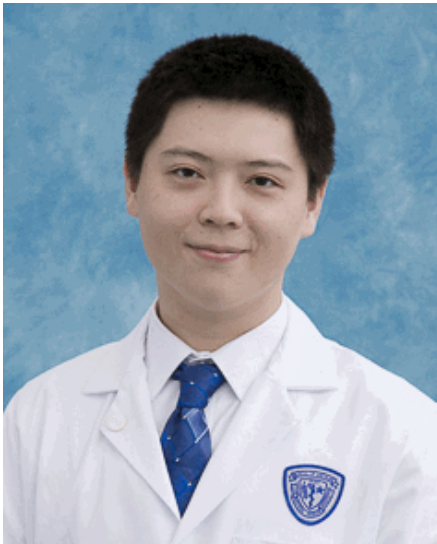
Email: [yxx685@case.edu](mailto:yxx685@case.edu)

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](mailto:wxz485@case.edu)

Mentor: Dan Ma

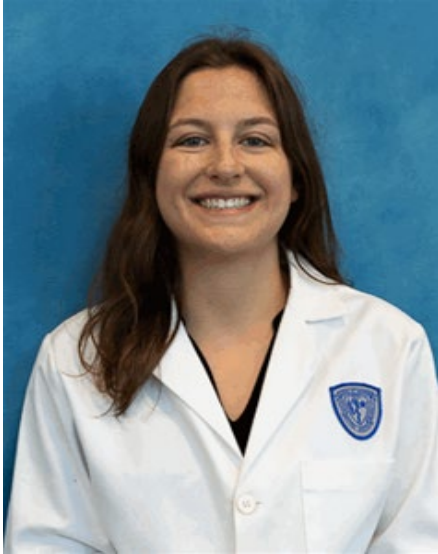
PhD Program: Biomedical Engineering

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](mailto: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](mailto: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

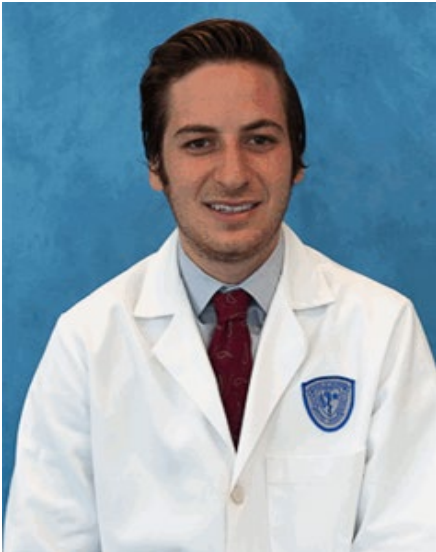
Email: rod10@case.edu

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

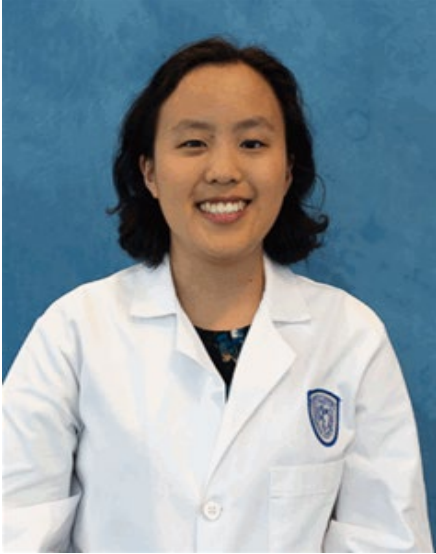
Email: daf93@case.edu

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

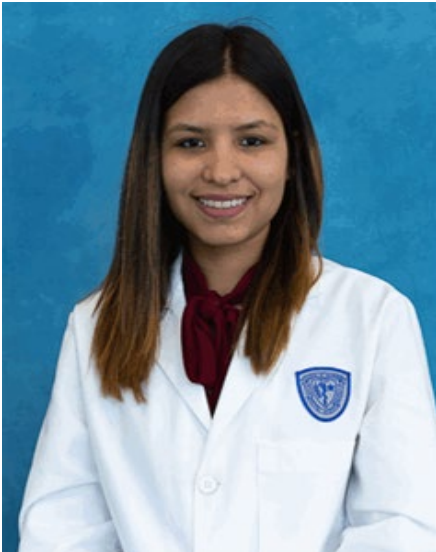
Email: neh47@case.edu

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](mailto: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

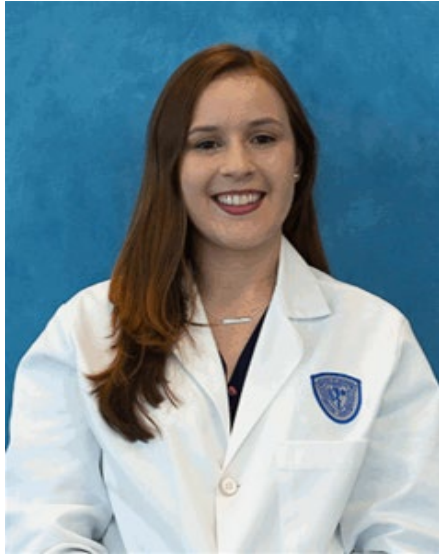
Email: [kpn11@case.edu](mailto:kpn11@case.edu)

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

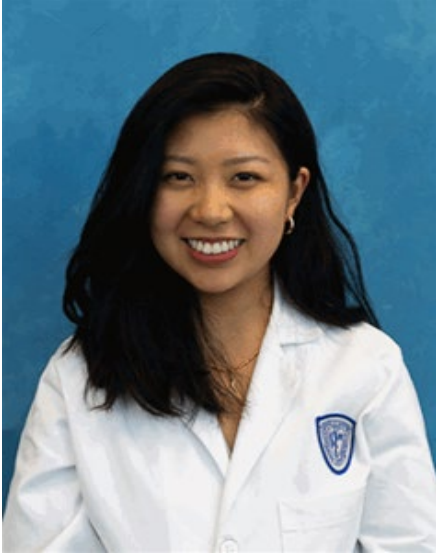
Email: jcs186@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of alternative splicing via S-nitrosylation

Undergrad: Middlebury College



## Sabrina Wang

MSTP Year: G3

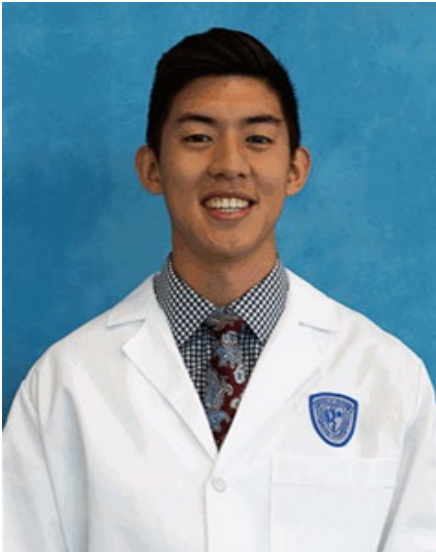
Email: [szw7@case.edu](mailto:szw7@case.edu)

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](mailto:jjz46@case.edu)

Mentor: Paul Tesar

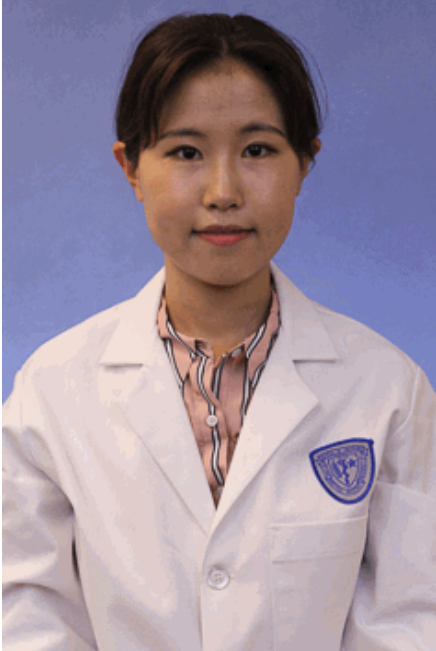
PhD Program: Genetics & Genome Sciences

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](mailto: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](mailto: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 $\beta$  processing

Undergrad: University of Maryland – Baltimore County



## Yi Fan Chen

MSTP Year: G4+

Email: [ycx1272@case.edu](mailto: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](mailto: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: 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



## 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](mailto: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+

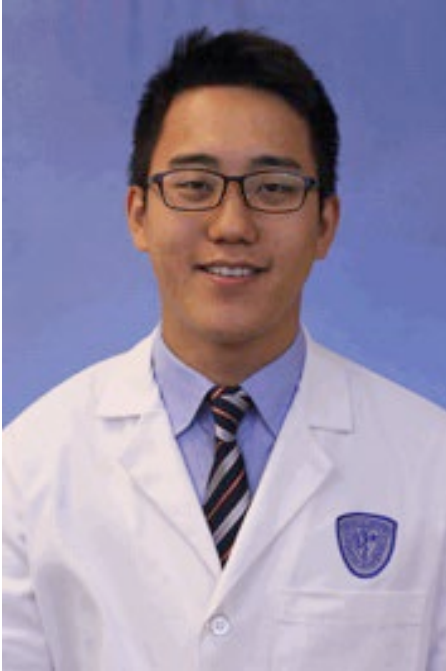
Email: [esh81@case.edu](mailto:esh81@case.edu)

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](mailto: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](mailto: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+

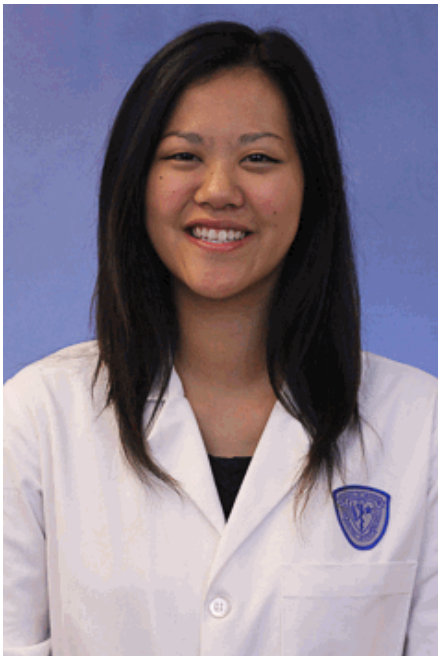
Email: afl36@case.edu

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](mailto: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+

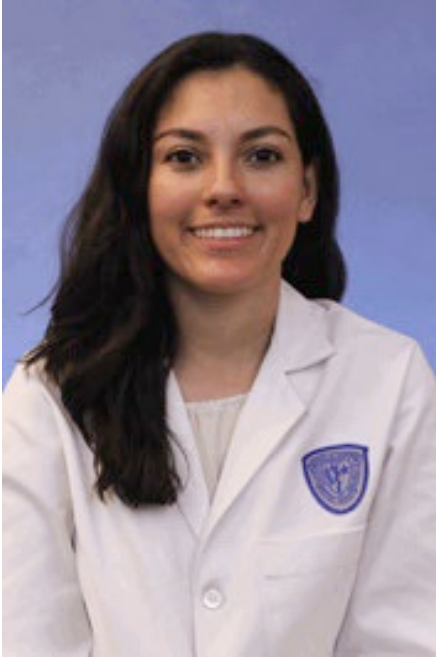
Email: [meo72@case.edu](mailto:meo72@case.edu)

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](mailto: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](mailto: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+

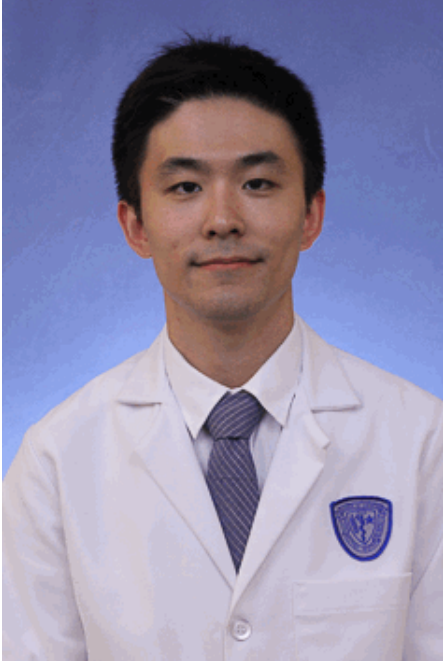
Email: wjw61@case.edu

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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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

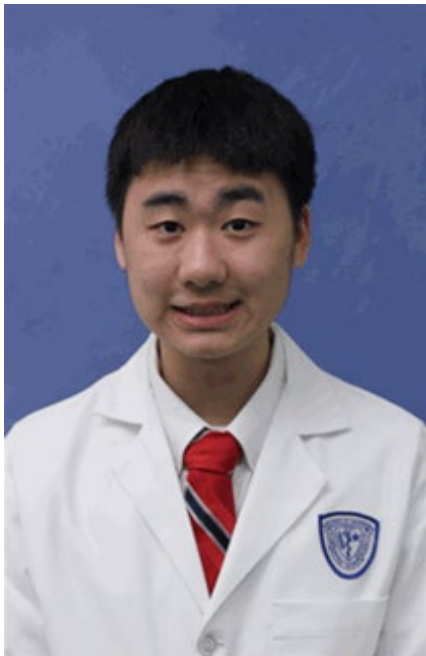
Email: mkm126@case.edu

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

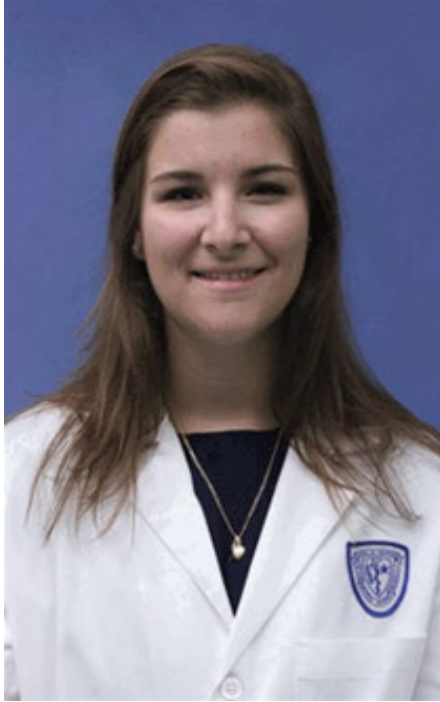
Email: gxl263@case.edu

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](mailto: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](mailto: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](mailto: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](mailto:dtw43@case.edu)

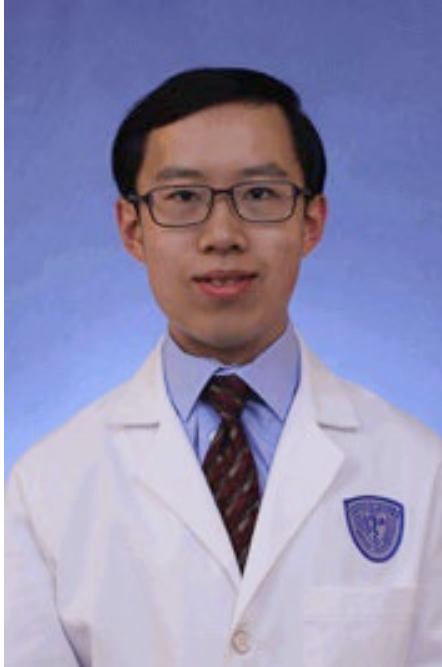
Mentor: Jacob Scott

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](mailto: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](mailto: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](mailto: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](mailto: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

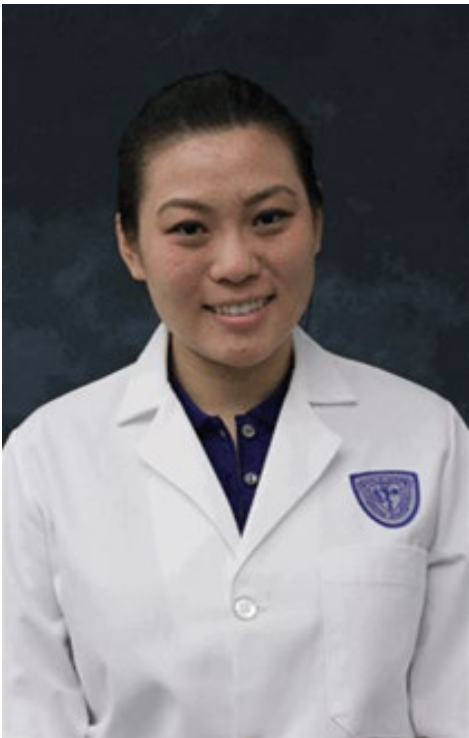
Email: [jas613@case.edu](mailto:jas613@case.edu)

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

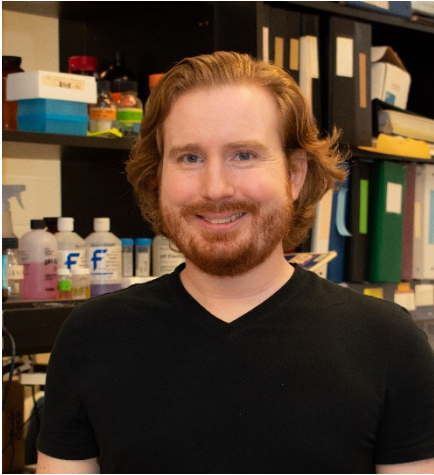
Email: [sss176@case.edu](mailto:sss176@case.edu)

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

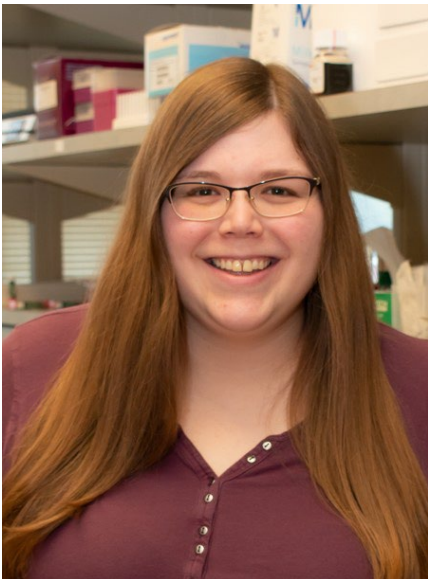
Email: [adt44@case.edu](mailto:adt44@case.edu)

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](mailto: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

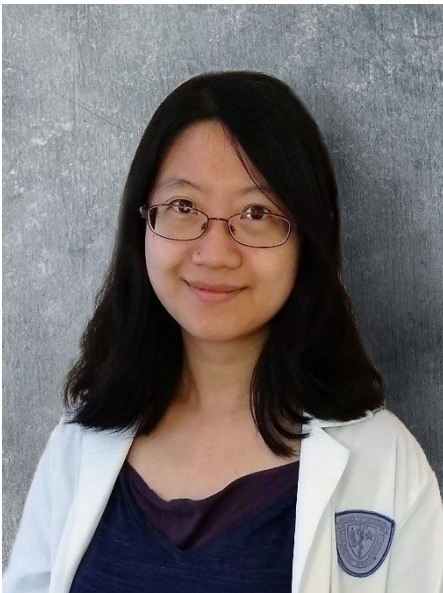
Email: [slv19@case.edu](mailto:slv19@case.edu)

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](mailto: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