

2022-23 MSTP Students by Year in Program

M1

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

M2

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

G1

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

G1 (continued)

[Ying Xiong](#)
[Walter Zhao](#)

G2

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

G3

[Lucie Ahn](#)
[Melissa Bonner](#)
[Brendan Boylan](#)
[Yi Fan Chen](#)
[Zachary Grimmett](#)
[Emily Hannon](#)
[Brian Kim](#)
[Erik Koritzinsky](#)
[Alexander Lesser](#)
[Angela Liu](#)
[Meghan O'Keefe](#)
[Vanessa Salazar](#)
[Josephine Trichka](#)
[Davis Weaver](#)
[William Wulftange](#)

G4+

[Muta Abiff](#)
[James Ahad](#)
[Syrena Bracey](#)
[Erin Cohn](#)
[Michaela Cooley](#)

G4+ (continued)

[Michelle Cruz](#)
[Marc Ferrell](#)
[Anniya Gu](#)
[Raza Haider](#)
[Ellen Hong](#)
[Dan Jindal](#)
[Hannah Kondolf](#)
[Emma Kundracik](#)
[George Luo](#)
[Jennings Luu](#)
[Morgan McGrath](#)
[Katrina Piemonte](#)
[Joel Sax](#)
[Preethy Sridharan](#)
[Nicholas Venetos](#)
[Derek Wong](#)
[Soon Yeul Yi](#)

M3

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

M4

[Kevin Allan](#)
[Elliot Choi](#)
[Liyan Fan](#)
[Michael McHenry](#)
[Otis Pinkard](#)
[Kathleen Plona](#)
[Peter Qiao](#)
[Avery Sears](#)
[Susie Suh](#)
[David Sweet](#)
[Bryan Webb](#)
[Bowen Zhou](#)

M1

Photo coming soon!

Anuoluwapo Ajao

MSTP Year: M1

Email: axa1581@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Massachusetts – Boston

Photo coming soon!

Emily Blaum

MSTP Year: M1

Email: emb190@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Boston University of Maryland

Salvatore Caradonna

Photo coming soon!

MSTP Year: M1

Email: sgc48@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: The Ohio State University

Andy Chen

Photo coming soon!

MSTP Year: M1

Email: axc1267@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Emory University

Photo coming soon!

Laura Chen

MSTP Year: M1

Email: lxc732@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Massachusetts Institute of Technology

Photo coming soon!

Alexander Crane

MSTP Year: M1

Email: ajc406@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Pennsylvania

Photo coming soon!

Alexander Foden

MSTP Year: M1

Email: ajf176@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Irvine

Photo coming soon!

Benjamin Hauk

MSTP Year: M1

Email: bxh462@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: College of William & Mary

Kayla Klatt

Photo coming soon!

MSTP Year: M1

Email: krk110@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Johns Hopkins University

Victor Pastrana-Gomez

Photo coming soon!

MSTP Year: M1

Email: vmp46@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Illinois at Urbana-Champaign

Photo coming soon!

Iris Peng

MSTP Year: M1

Email: ixp94@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Brown University

Photo coming soon!

Javier Urcuyo Acevedo

MSTP Year: M1

Email: jcu7@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Arizona State University

Photo coming soon!

David Yan

MSTP Year: M1

Email: dfy3@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Case Western Reserve University

M2



Olubukola Abiona

MSTP Year: M2

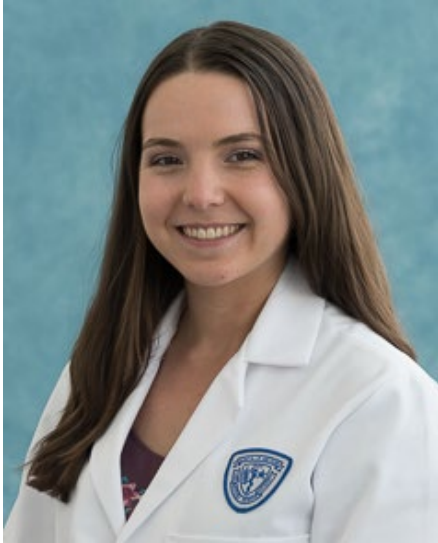
Email: oma11@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Maryland – Baltimore County



Corynn Appolonia

MSTP Year: M2

Email: cna24@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Pittsburgh



Henock Befekadu

MSTP Year: M2

Email: hbb34@case.edu

Mentor: Undecided

PhD Program: Undecided

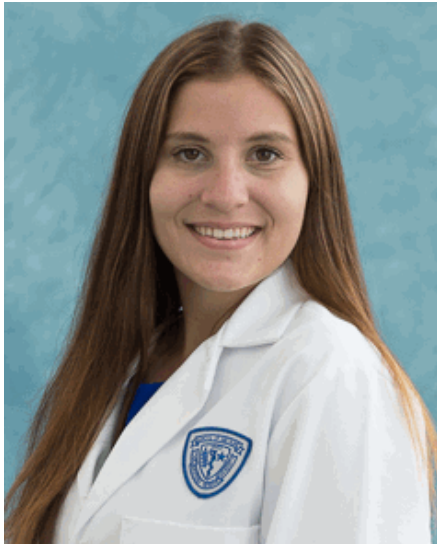
Research Topic: Undecided

Undergrad: Carleton College



Indrani Das

MSTP Year: M2
Email: ixd63@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Harvard University



Claire Fritz

MSTP Year: M2
Email: cef78@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Case Western Reserve University



Jacob Ingber

MSTP Year: M2

Email: jjj20@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Washington and Lee University



Sameeha Jilani

MSTP Year: M2

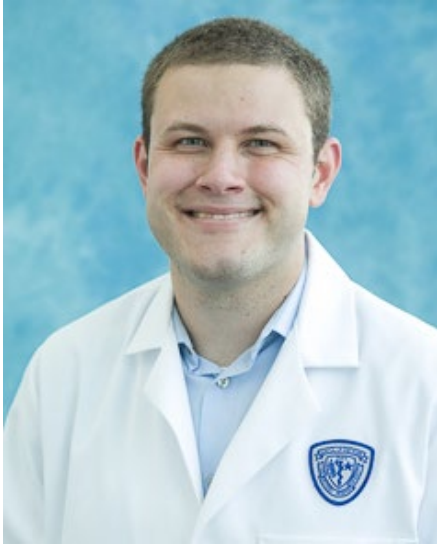
Email: sxj671@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Washington



Hans Leier

MSTP Year: M2

Email: hcl25@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Reed College



Christina MacAskill

MSTP Year: M2

Email: cjm191@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Case Western Reserve University



Marc Scemama de Gialluly

MSTP Year: M2

Email: mas608@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Richmond



Brendan Sheehan

MSTP Year: M2

Email: bks60@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Oberlin College



Paulameena Shultes

MSTP Year: M2

Email: pvs13@case.edu

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California - Berkeley



Prerna Singh

MSTP Year: M2

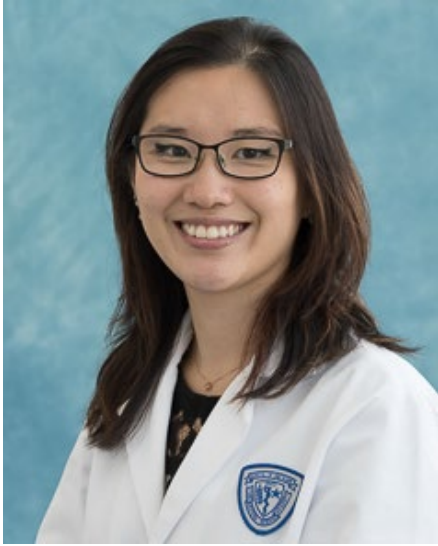
Email: pxs524@case.edu

Mentor: Undecided

PhD Program: Undecided

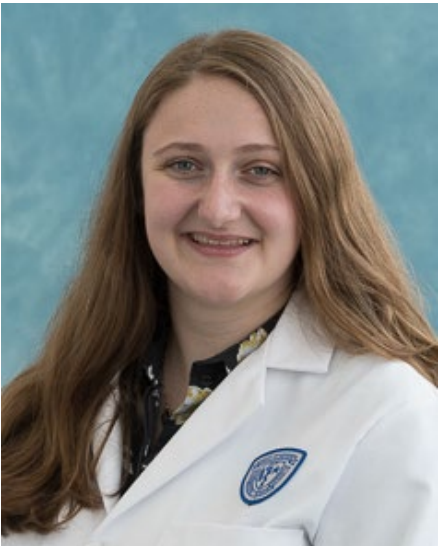
Research Topic: Undecided

Undergrad: Johns Hopkins University



Jeehyun Karen You

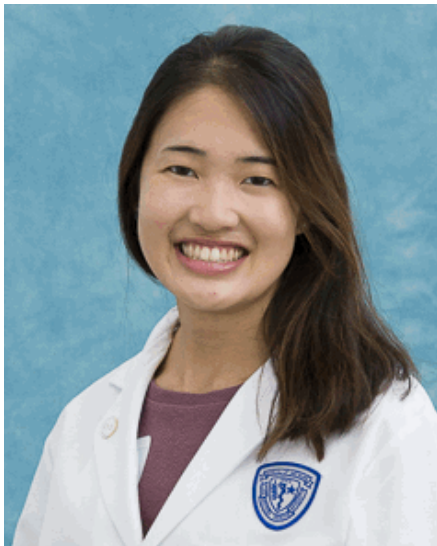
MSTP Year: M2
Email: jxy953@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: SUNY Stony Brook



Hannah Zamore

MSTP Year: M2
Email: hgz24@case.edu
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Bryn Mawr College

G1



Diana Chin

MSTP Year: G1

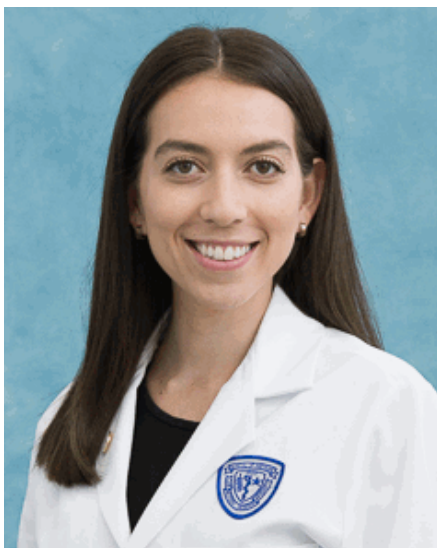
Email: dhc64@case.edu

Mentor: Berkley Gryder

PhD Program: Genetics & Genome Sciences

Research Topic: Undecided

Undergrad: Princeton University



Sofia Corella

MSTP Year: G1

Email: sgc65@case.edu

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Undecided

Undergrad: University of North Carolina – Chapel Hill



Himanshu Dashora

MSTP Year: G1

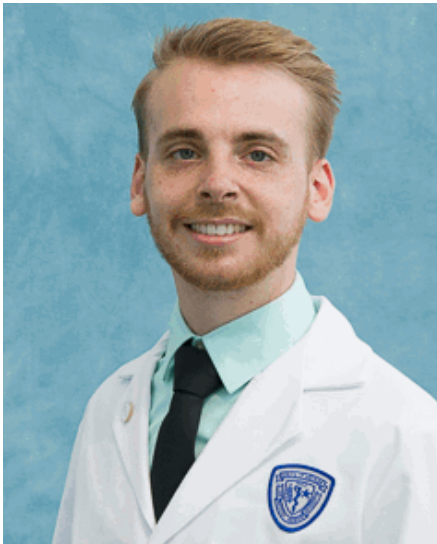
Email: hrd14@case.edu

Mentor: Jennifer Yu

PhD Program: Cancer Biology

Research Topic: Undecided

Undergrad: Johns Hopkins University



Paul Karell

MSTP Year: G1

Email: pek35@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Immunology

Research Topic: Undecided

Undergrad: University of Pittsburgh



Rupleen Kaur

MSTP Year: G1

Email: rxk614@case.edu

Mentor: Ruth Keri

PhD Program: Systems Biology & Bioinformatics

Research Topic: Undecided

Undergrad: University of California – Davis



Thomas Lavin

MSTP Year: G1

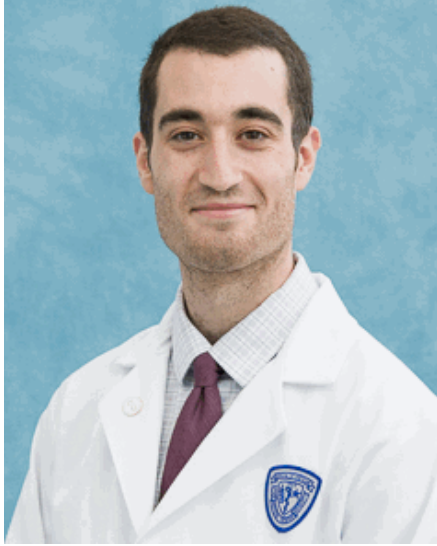
Email: tk119@case.edu

Mentor: John Tilton

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Undecided

Undergrad: University of Maine



Benjamin Mittman

MSTP Year: G1

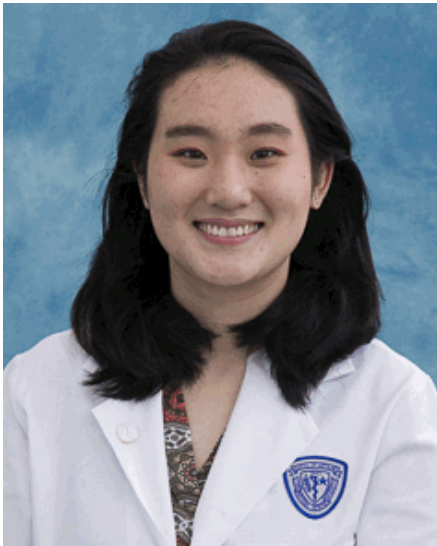
Email: bgm37@case.edu

Mentor: Michael Rothberg

PhD Program: Clinical Translational Science

Research Topic: Undecided

Undergrad: Hamilton College



Michelle Pan

MSTP Year: G1

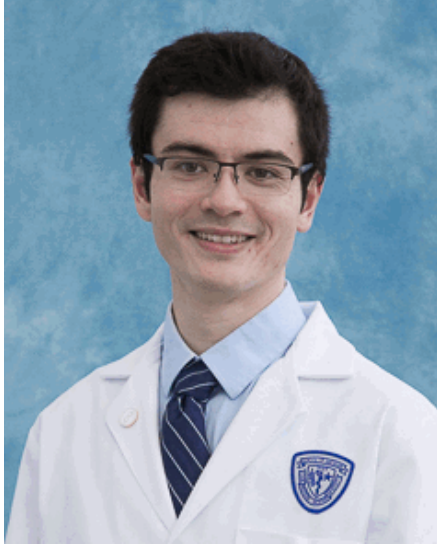
Email: mjp238@case.edu

Mentor: Derek Abbott

PhD Program: Immunology

Research Topic: Undecided

Undergrad: Franklin & Marshall College



Kyle Starost

MSTP Year: G1

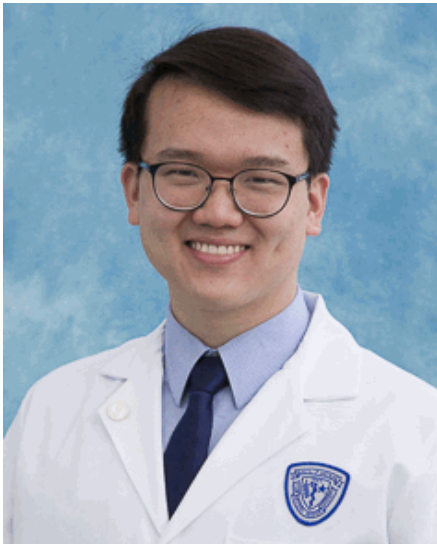
Email: kas265@case.edu

Mentor: Seth Field

PhD Program: Cancer Biology

Research Topic: Undecided

Undergrad: Case Western Reserve University



Stephen Wang

MSTP Year: G1

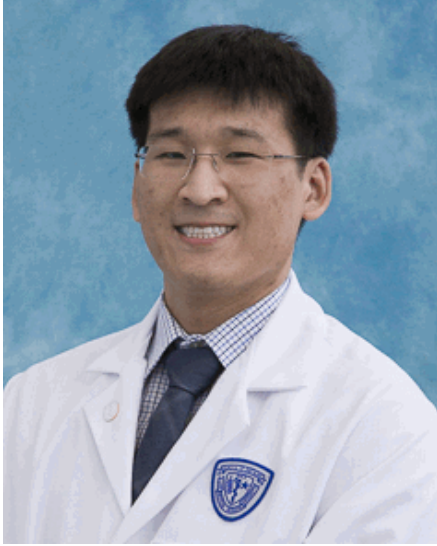
Email: slw105@case.edu

Mentor: Peter Scacheri

PhD Program: Genetics & Genome Sciences

Research Topic: Undecided

Undergrad: Yale University



Douglas Wu

MSTP Year: G1

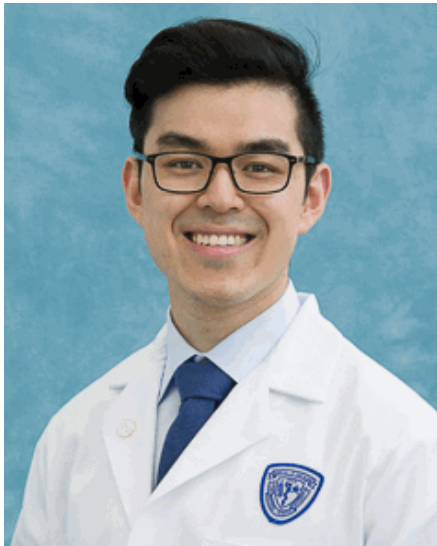
Email: dhw45@case.edu

Mentor: Samuel Senyo

PhD Program: Biomedical Engineering

Research Topic: Undecided

Undergrad: University of Michigan



Ying Xiong

MSTP Year: G1

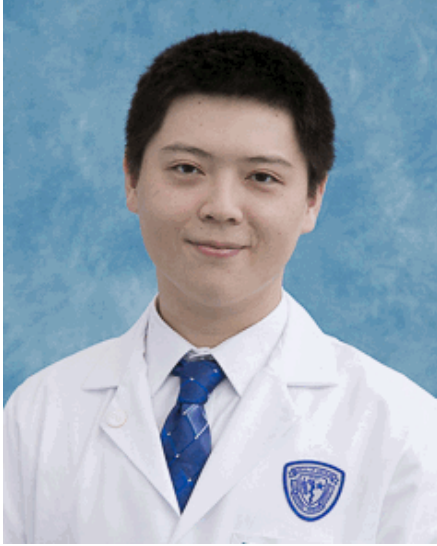
Email: yxx685@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Undecided

Undergrad: University of Pennsylvania



Walter Zhao

MSTP Year: G1

Email: wxz485@case.edu

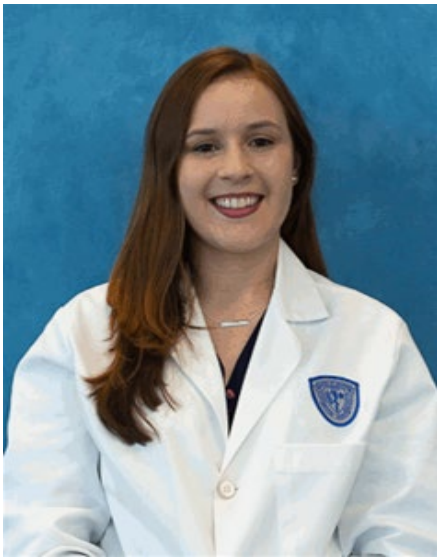
Mentor: Dan Ma

PhD Program: Biomedical Engineering

Research Topic: Undecided

Undergrad: Johns Hopkins University

G2



Alicia Aguilar

MSTP Year: G2

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



Sarah Barker

MSTP Year: G2

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: G2

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 Durodoye

MSTP Year: G2

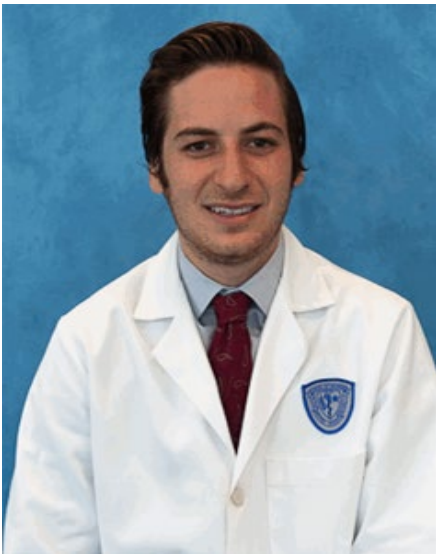
Email: rod10@case.edu

Mentor: Scott Williams

PhD Program: Epidemiology & Biostatistics

Research Topic: Evaluating ApoE risk variant effect modification due to global and local ancestry in Non-Hispanic African American, Hispanic, and Non-Hispanic White populations in the United States

Undergrad: The University of Texas at Dallas



Daniel Feinberg

MSTP Year: G2

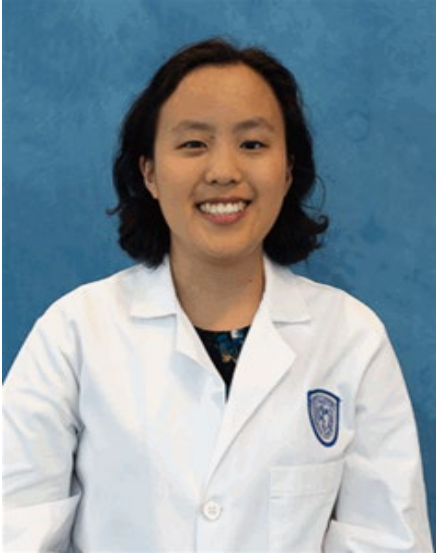
Email: daf93@case.edu

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: G2

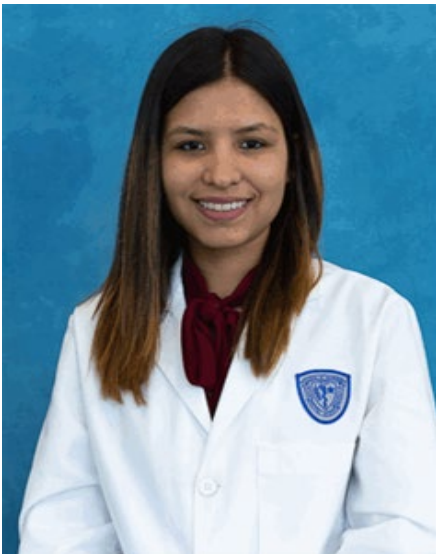
Email: neh47@case.edu

Mentor: Andrei Maiseyeu

PhD Program: Biomedical Engineering

Research Topic: Investigating the use of itaconate for the following: 1) to reduce cholesterol absorption from the gastrointestinal tract, and 2) to modulate inflammation in the setting of multiple sclerosis

Undergrad: Carnegie Mellon University



Natasha Ingles

MSTP Year: G2

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: G2

Email: esk81@case.edu

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: A novel computational model for predicting drug resistance

Undergrad: Washington University in St. Louis



Emily Krueger

MSTP Year: G2

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: G2

Email: kcl68@case.edu

Mentor: Peter Scacheri

PhD Program: Genetics & Genome Sciences

Research Topic: Enteric glial cells drive colorectal cancer progression via epigenomic changes

Undergrad: Princeton University



Kevin Newhall

MSTP Year: G2

Email: kpn11@case.edu

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

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

Undergrad: Vassar College



Joseph Schindler

MSTP Year: G2

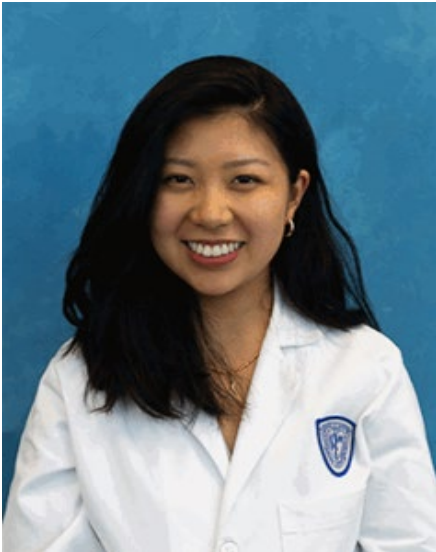
Email: jcs186@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of alternative splicing via S-nitrosylation

Undergrad: Middlebury College



Sabrina Wang

MSTP Year: G2

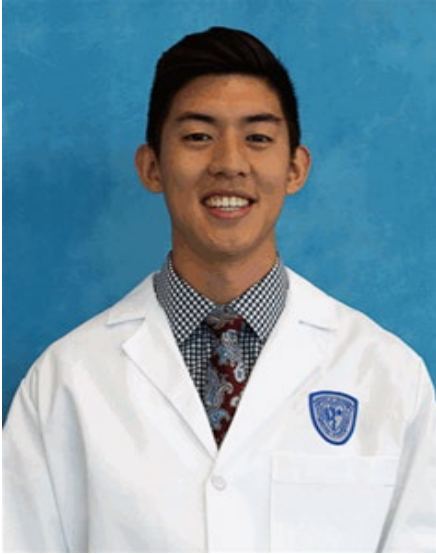
Email: szw7@case.edu

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: G2

Email: jjz46@case.edu

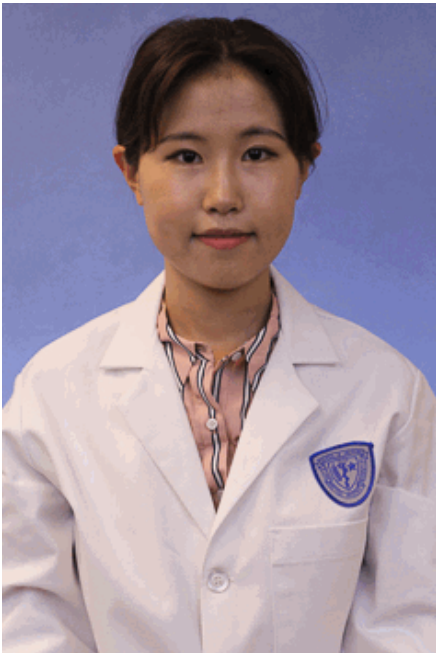
Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating the circadian aspect of oligodendroglia biology

Undergrad: Johns Hopkins University

G3



Lucie Ahn

MSTP Year: G3

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: G3

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: G3

Email: btb47@case.edu

Mentor: Cornelia Bergmann

PhD Program: Neurosciences

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

Undergrad: University of Wisconsin – Madison



Yi Fan Chen

MSTP Year: G3

Email: yc1272@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



Zachary Grimmatt

MSTP Year: G3

Email: zcg198@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



Emily Hannon

MSTP Year: G3

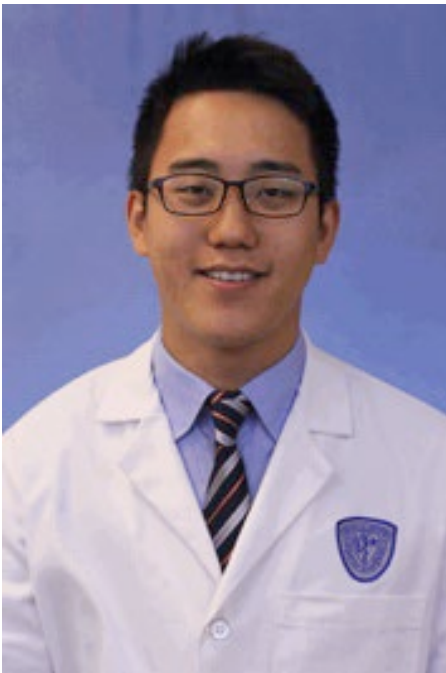
Email: erh90@case.edu

Mentor: James Kazura

PhD Program: Epidemiology & Biostatistics

Research Topic: Epigenetics during acute malaria infection

Undergrad: University of Colorado at Boulder



Brian Kim

MSTP Year: G3

Email: bxk342@case.edu

Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating TGF- β 1 signaling and asprosin transcription of adipose tissue in obesity

Undergrad: University of Pennsylvania



Erik Koritzinsky

MSTP Year: G3

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: G3

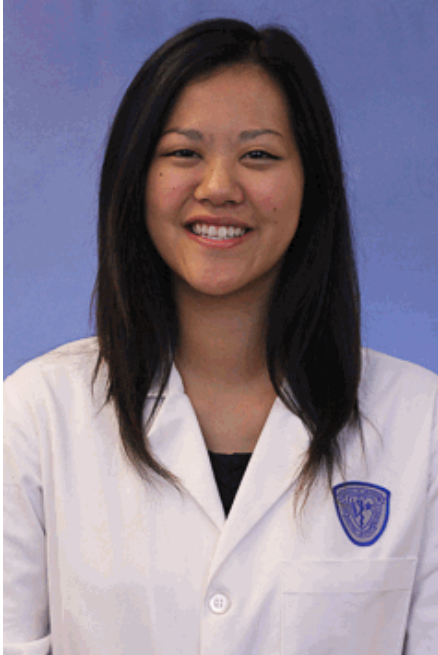
Email: afl36@case.edu

Mentor: Mukesh Jain

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: The role of brown adipose tissue KLF15 in coordinating nutrient switching in the face of different metabolic demands

Undergrad: Cornell University



Angela Liu

MSTP Year: G3

Email: ard91@case.edu

Mentor: Parameswaran Ramakrishnan

PhD Program: Pathology/Immunology

Research Topic: Role of NF-kappaB c-Rel and O-GlcNAcylation in B cell function in autoimmune diabetes

Undergrad: Case Western Reserve University



Meghan O'Keefe

MSTP Year: G3

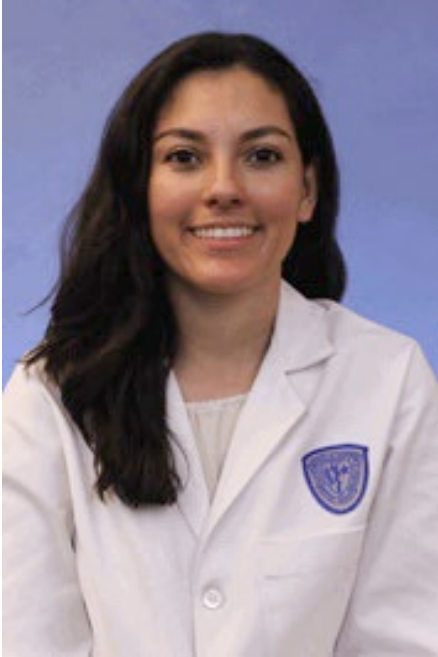
Email: meo72@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Investigating the role of RIPK2 in the innate immune response

Undergrad: Northeastern University



Vanessa Salazar

MSTP Year: G3

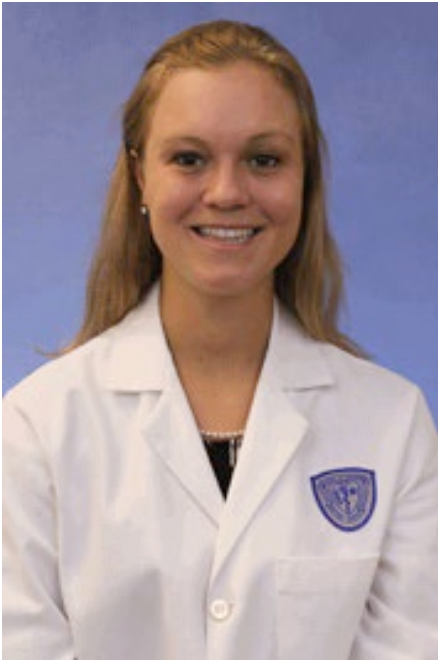
Email: vx313@case.edu

Mentor: Xiaoxia Li

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: G3

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



Davis Weaver

MSTP Year: G3

Email: dtw43@case.edu

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: Network science approaches to design precision therapies for treatment of cancer

Undergrad: Duke University



William Wulftange

MSTP Year: G3

Email: wjw61@case.edu

Mentor: Umut Gurkan

PhD Program: Biomedical Engineering

Research Topic: Modeling the blood-brain barrier using an organoid-on-a-chip device

Undergrad: University of Nevada – Reno

G4+



Muta Abiff

MSTP Year: G4+

Email: mxa605@case.edu

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: T-cell anti-tumor activity is dependent on functional PIEZO1 expression

Undergrad: SUNY Binghamton



James Ahad

MSTP Year: G4+

Email: jna27@case.edu

Mentor: Nicole Seiberlich

PhD Program: Biomedical Engineering

Research Topic: MR applications in heart and prostate

Undergrad: Washington University in St. Louis



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



Erin Cohn

MSTP Year: G4+

Email: efc35@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Pathological mechanotransduction by oligodendrocytes after traumatic brain injury

Undergrad: Wesleyan University



Michaela Cooley

MSTP Year: G4+

Email: mbc84@case.edu

Mentor: Agata Exner

PhD Program: Biomedical Engineering

Research Topic: Assessing vascular permeability and nanobubble extravasation with contrast-enhanced ultrasound imaging

Undergrad: Case Western Reserve University



Michelle Cruz

MSTP Year: G4+

Email: mac386@case.edu

Mentor: Alan Levine

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Bidirectional communication between circulating and mucosal T cells and the intestinal epithelium

Undergrad: Rensselaer Polytechnic Inst



Marc Ferrell

MSTP Year: G4+

Email: maf167@case.edu

Mentor: Stanley Hazen

PhD Program: Systems Biology & Bioinformatics

Research Topic: Niacin metabolites enhance cardiovascular disease risk via endothelial activation

Undergrad: University of Florida



Anniya Gu

MSTP Year: G4+

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



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



Ellen Hong

MSTP Year: G4+

Email: esh81@case.edu

Mentor: Peter Scacheri

PhD Program: Genetics & Genome Sciences

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

Undergrad: Cornell University



Dan Jindal

MSTP Year: G4+

Email: daj49@case.edu

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: Defining the role of glia in regulating synapse number in the *Drosophila* antennal lobe

Undergrad: Stanford University



Hannah Kondolf

MSTP Year: G4+

Email: hck23@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Contributions of gasdermin family members to pyroptotic cell death

Undergrad: Cornell University



Emma Kundračik

MSTP Year: G4+

Email: ecs120@case.edu

Mentor: Arne Rietsch

PhD Program: Molecular Biology & Microbiology

Research Topic: Mapping protein-protein interactions in the *Pseudomonas aeruginosa* type III secretion system translocon

Undergrad: University of Michigan



George Luo

MSTP Year: G4+

Email: gxl263@case.edu

Mentor: John Letterio

PhD Program: Pathology/Cancer Biology

Research Topic: CDDO-2P-Im induces unfolded protein response and apoptosis in multiple myeloma cells

Undergrad: University of Wisconsin



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



Morgan McGrath

MSTP Year: G4+

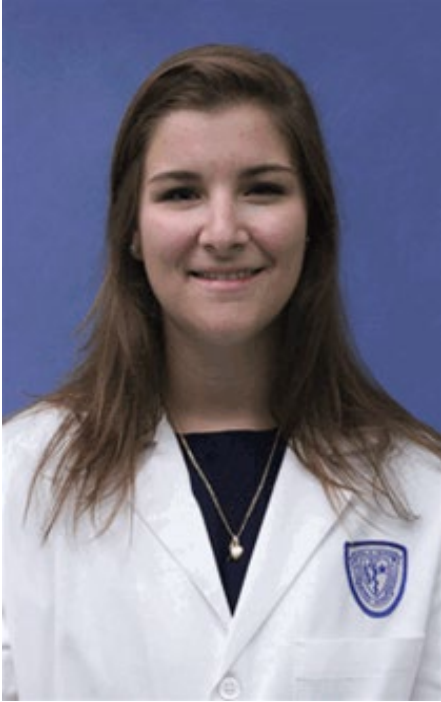
Email: mkm126@case.edu

Mentor: Jay Alberts

PhD Program: Clinical Translational Science

Research Topic: Developing a virtual reality assessment tool for instrumental activities of daily living in Parkinson's Disease

Undergrad: Miami University – Ohio



Katrina Piemonte

MSTP Year: G4+

Email: kmp112@case.edu

Mentor: Ruth Keri

PhD Program: Pharmacology

Research Topic: The Src family kinase, YES1, controls chromosomal stability in triple negative breast cancer

Undergrad: Ithaca College



Joel Sax

MSTP Year: G4+

Email: jls340@case.edu

Mentor: Drew Adams

PhD Program: Genetics & Genome Sciences

Research Topic: Understanding the signaling mechanisms of 8,9-unsaturated sterols in enhancing oligodendrocyte formation

Undergrad: University of California – Berkeley



Preethy Sridharan

MSTP Year: G4+

Email: pss46@case.edu

Mentor: Andrew Pieper

PhD Program: Neurosciences

Research Topic: Oxidative stress in TBI

Undergrad: Carnegie-Mellon University



Nicholas Venetos

MSTP Year: G4+

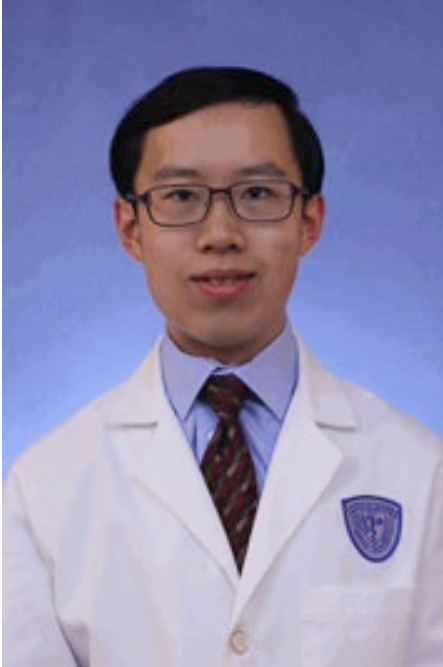
Email: nmv22@case.edu

Mentor: Jonathan Stamler

PhD Program: Biochemistry

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

Undergrad: The Ohio State University



Derek Wong

MSTP Year: G4+

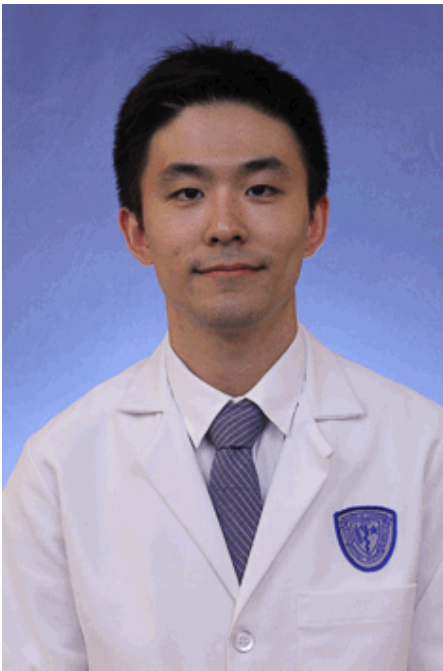
Email: dpw42@case.edu

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

Research Topic: Development of novel cancer immunotherapies for the treatment of B cell malignancies

Undergrad: University of Chicago



Soon Yi

MSTP Year: G4+

Email: sxy530@case.edu

Mentor: Eckhard Jankowsky

PhD Program: Biochemistry

Research Topic: Mapping global RNA-binding protein occupancies using femtosecond pulsed UV laser crosslinking

Undergrad: Cooper Union

M3



Brendan Barton

MSTP Year: M3

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: M3

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



Adam Lauko

MSTP Year: M3

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: M3

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: M3

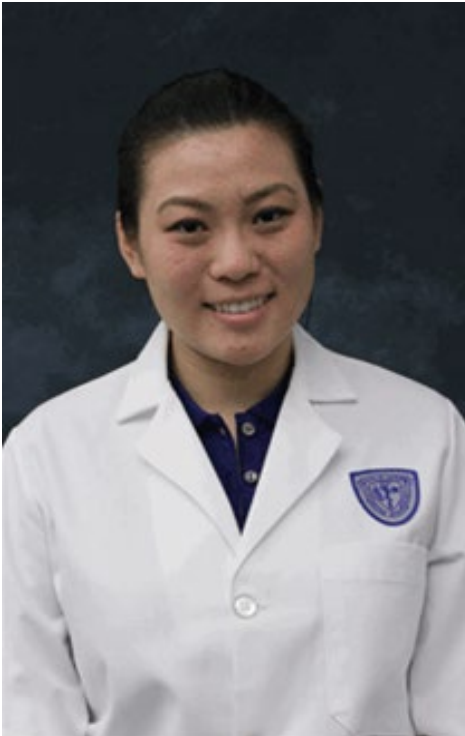
Email: jas613@case.edu

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: M3

Email: sss176@case.edu

Mentor: Jeffrey Capadona

PhD Program: Biomedical Engineering

Research Topic: Targeting innate immune system to prolong lifespan of intracortically implanted recording microelectrode

Undergrad: Boston College



Aaron Talsma

MSTP Year: M3

Email: adt44@case.edu

Mentor: Richard Zigmond

PhD Program: Neurosciences

Research Topic: Investigating the role of two anatomically distinct macrophage populations in peripheral nerve regeneration

Undergrad: University of Michigan



Alicia Vagnozzi

MSTP Year: M3

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: M3

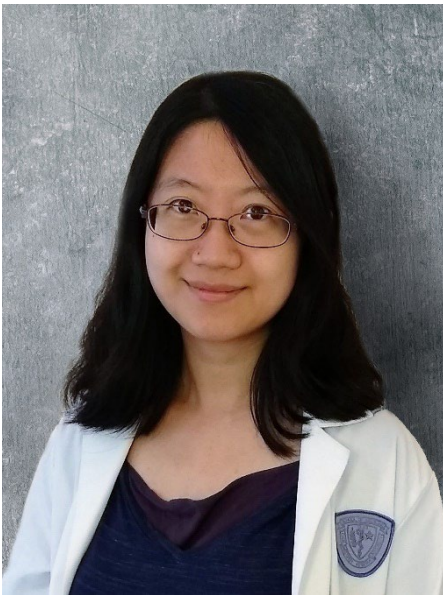
Email: slv19@case.edu

Mentor: Eckhard Jankowsky

PhD Program: Biochemistry

Research Topic: Coordination of phase separation and translation initiation by DEAD-box RNA helicase DDX3X

Undergrad: University of Cincinnati



Xinrui Zhang

MSTP Year: M3

Email: xxz487@case.edu

Mentor: Evan Deneris

PhD Program: Biochemistry

Research Topic: Regulation of chromatin accessibility and Pet1/FEV binding during serotonergic (5-HT) neuron development

Undergrad: Harvard University

M4



Kevin Allan

MSTP Year: M4

Email: kxa248@case.edu

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Oligodendrocyte formation in health and disease

Undergrad: University of Rochester



Elliot Choi

MSTP Year: M4

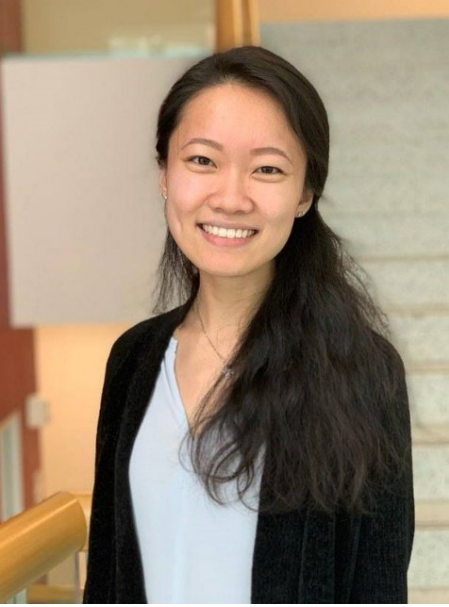
Email: exc275@case.edu

Mentor: Krzysztof Palczewski

PhD Program: Pharmacology

Research Topic: Retinal physiology and pathophysiology associated with isomerases expressed in the retinal pigment epithelium

Undergrad: Johns Hopkins University



Liyan Fan

MSTP Year: M4

Email: lxf110@case.edu

Mentor: Mukesh Jain

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Role of skeletal muscle Kruppel-like factor 15 (KLF15) in the regulation of systemic metabolism

Undergrad: University of Pittsburgh



Michael McHenry

MSTP Year: M4

Email: mlm261@case.edu

Mentor: Catherine Stein

PhD Program: Epidemiology & Biostatistics

Research Topic: Genomic and co-evolutionary determinants of active TB severity

Undergrad: Emory University



Otis Pinkard

MSTP Year: M4

Email: owp2@case.edu

Mentor: Jeffery Coller

PhD Program: Genetics & Genome Sciences

Research Topic: The role of tRNA abundance on mRNA

Undergrad: University of Cincinnati



Kathleen Plona

MSTP Year: M4

Email: klp65@case.edu

Mentor: Mitchell Drumm

PhD Program: Genetics & Genome Sciences

Research Topic: Exploring molecular pathogenesis to streamline future therapeutics in rare diseases using GSD1a as a model

Undergrad: Ohio University



Peter Qiao

MSTP Year: M4

Email: plq2@case.edu

Mentor: Zheng-Rong Lu

PhD Program: Biomedical Engineering

Research Topic: Development of a Extradomain-B fibronectin targeted MRI contrast agent for pancreatic cancer detection

Undergrad: University of Pennsylvania



Avery Sears

MSTP Year: M4

Email: aes31@case.edu

Mentor: Krzysztof Palczewski

PhD Program: Pharmacology

Research Topic: Cryo-electron microscopy single particle analysis of interphotoreceptor retinoid binding protein and the Periphein2/ROM1 complex, proteins necessary for the sensation of vision

Undergrad: Case Western Reserve University



Susie Suh

MSTP Year: M4

Email: sxs1482@case.edu

Mentor: Krzysztof Palczewski

PhD Program: Pharmacology

Research Topic: Gene rescue of nonsense mutation in inherited retinal disease mouse model using adenine base editor

Undergrad: University of California – Berkeley



David Sweet

MSTP Year: M4

Email: dxs658@case.edu

Mentor: Mukesh Jain

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Krüppel-like factor 2 regulation of aging and healthspan: a link between the 3D nucleome and disease

Undergrad: The Ohio State University



Bryan Webb

MSTP Year: M4

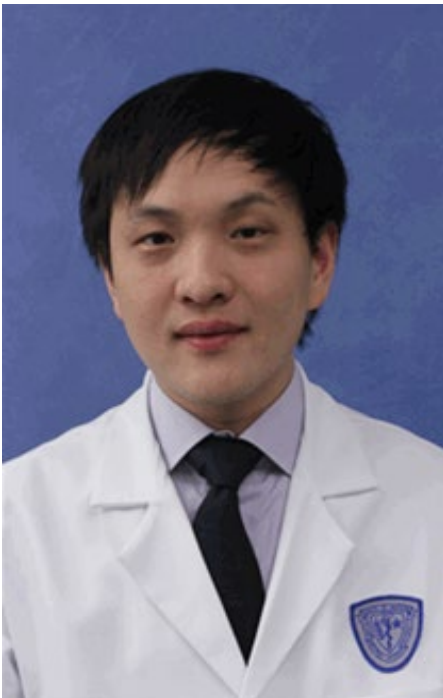
Email: bmw79@case.edu

Mentor: Ruth Keri

PhD Program: Pharmacology

Research Topic: Defining super-enhancer landscapes in TNBC subtypes

Undergrad: Washington University in St. Louis



Bowen Zhou

MSTP Year: M4

Email: bxz164@case.edu

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Gasdermins: a lattice network of cell death effectors

Undergrad: Princeton University