

## 2025-26 MSTP Students by Year in Program

### M1

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

### M2

[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](#)

### G1

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

### G2

[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](#)

### G3

[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](#)

### G4+

[Bijoya \(Bijou\) Basu](#)  
[Diana Chin](#)  
[Sofia Corella](#)  
[Himanshu Dashora](#)  
[Natalie Hong](#)  
[Paul Karell](#)  
[Rupleen Kaur](#)  
[Emily Klemm](#)  
[Thomas Lavin](#)  
[Katherine Letai](#)

### G4+ continued

[Kevin Newhall](#)  
[Michelle Pan](#)  
[Joseph Schindler](#)  
[Kyle Starost](#)  
[Stephen Wang](#)  
[Douglas Wu](#)  
[Ying Xiong](#)

### M3

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

### M4

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

M1



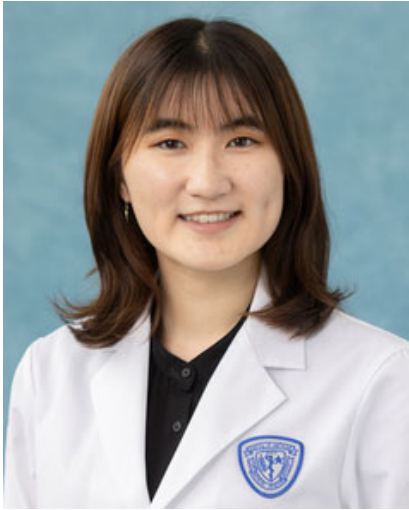
Aditya Ailiani

MSTP Year: M1  
Email: [ara93@case.edu](mailto:ara93@case.edu)  
MSTP AD: Chris Flask  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of Wisconsin – Madison



Brandon Clark

MSTP Year: M1  
Email: [bjc160@case.edu](mailto:bjc160@case.edu)  
MSTP AD: Andrew Pieper  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of Dayton



## Mayu Fukuda

MSTP Year: M1

Email: [mx595@case.edu](mailto:mx595@case.edu)

MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: The Ohio State University – Main



## Bilal Hamid

MSTP Year: M1

Email: [bx538@case.edu](mailto:bx538@case.edu)

MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Los Angeles



## Spenser Johnson

MSTP Year: M1

Email: [sxj975@case.edu](mailto:sxj975@case.edu)

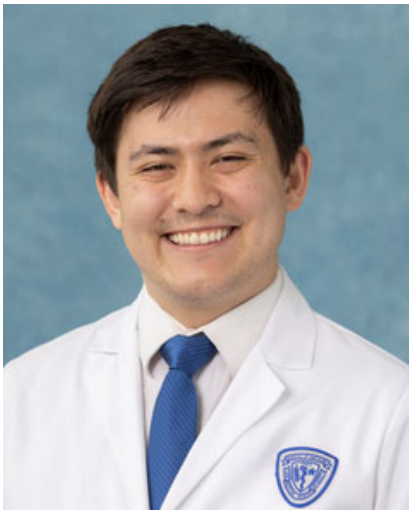
MSTP AD: Andrew Pieper

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Iowa



## David Koo

MSTP Year: M1

Email: [dak216@case.edu](mailto:dak216@case.edu)

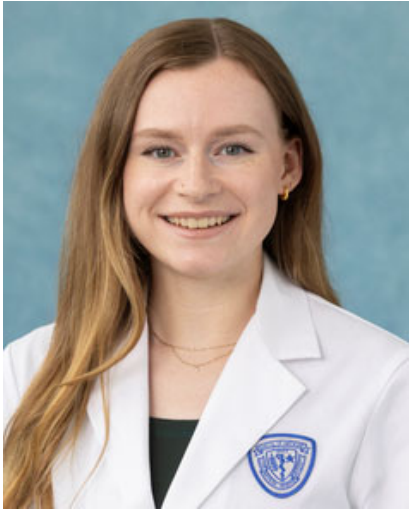
MSTP AD: Heather Broihier

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Boston College



## Sophia Korotev

MSTP Year: M1

Email: [sck73@case.edu](mailto:sck73@case.edu)

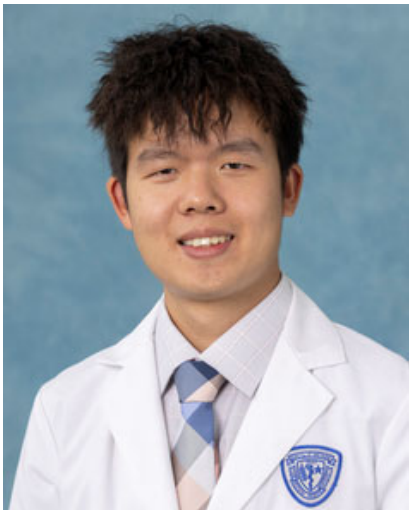
MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Chicago



## Yifan Liao

MSTP Year: M1

Email: [yxl3849@case.edu](mailto:yxl3849@case.edu)

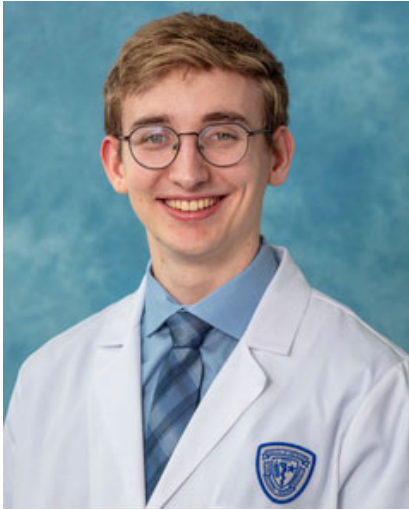
MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Northwestern University



## Torsten Ullrich

MSTP Year: M1

Email: [tru3@case.edu](mailto:tru3@case.edu)

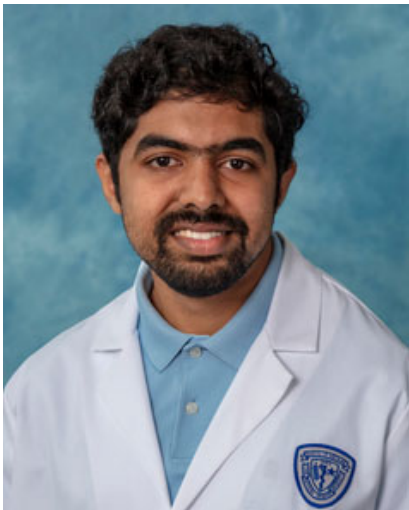
MSTP AD: Heather Broihier

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Brown University



## Nikhil Vijai

MSTP Year: M1

Email: [nxv130@case.edu](mailto:nxv130@case.edu)

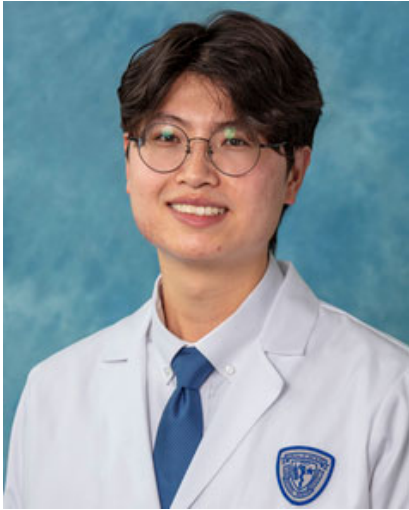
MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Notre Dame



## Princeton Zhong

MSTP Year: M1

Email: [pxz246@case.edu](mailto:pxz246@case.edu)

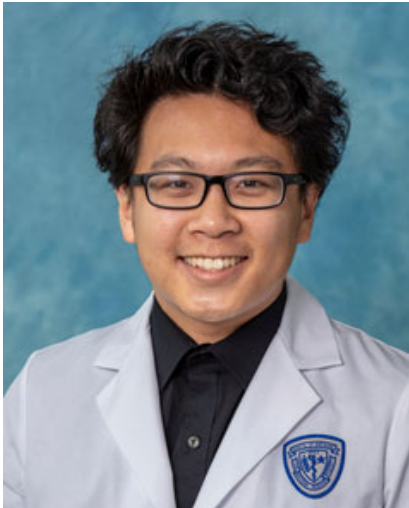
MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California - Davis



## Jedidiah (Jed) Zhu

MSTP Year: M1

Email: [jzz18@case.edu](mailto:jzz18@case.edu)

MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Emory University



M2



Hamza Dahshi

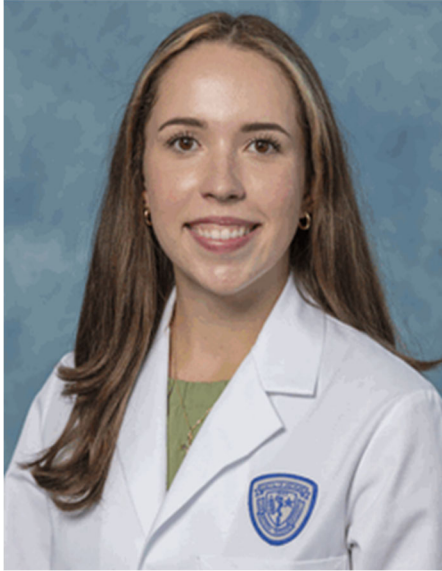
MSTP Year: M2  
Email: [hxd327@case.edu](mailto:hxd327@case.edu)  
MSTP AD: Arne Rietsch  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of Texas at Dallas



Yunsun (Sunny) Eoh

MSTP Year: M2  
Email: [yxe39@case.edu](mailto:yxe39@case.edu)  
MSTP AD: Heather Brohier  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of Southern California





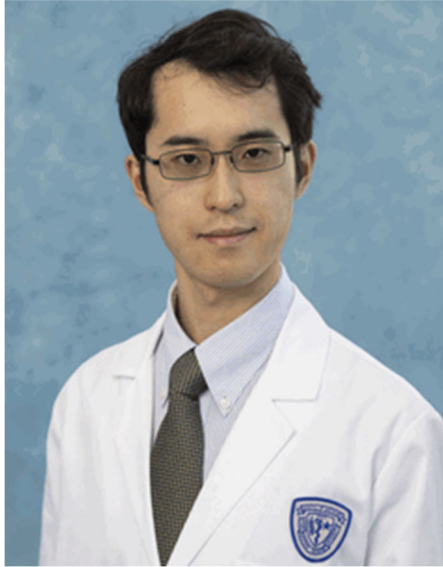
## Sophia Gavalas

MSTP Year: M2  
Email: [stg57@case.edu](mailto:stg57@case.edu)  
MSTP AD: Andrew Pieper  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of Georgia



## Skyler Hoang

MSTP Year: M2  
Email: [hkh38@case.edu](mailto:hkh38@case.edu)  
MSTP AD: Agata Exner  
Mentor: Sudha Iyengar  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: Rutgers University – New Brunswick



## Benjamin Huang

MSTP Year: M2

Email: [bxh510@case.edu](mailto:bxh510@case.edu)

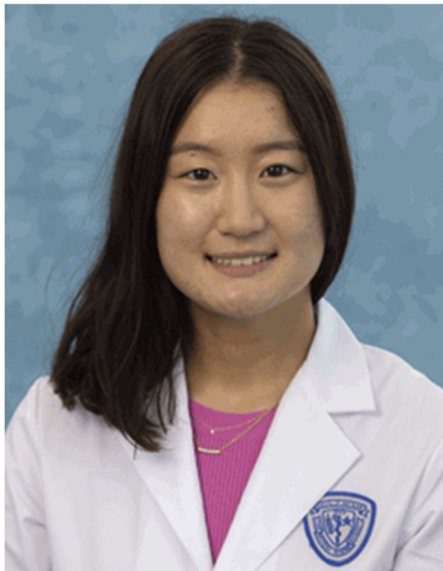
MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Johns Hopkins University



## Joyce Kim

MSTP Year: M2

Email: [jhk164@case.edu](mailto:jhk164@case.edu)

MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Claremont McKenna College



## Alexander Levashkevich

MSTP Year: M2

Email: [aal127@case.edu](mailto:aal127@case.edu)

MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Michigan – Ann Arbor



## Matthew Liu

MSTP Year: M2

Email: [mhl104@case.edu](mailto:mhl104@case.edu)

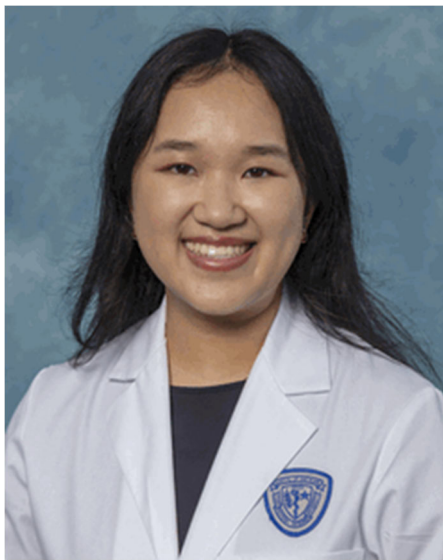
MSTP AD: Heather Broihier

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Pennsylvania



## Uyen Mai

MSTP Year: M2

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

MSTP AD: Chris Flask

Mentor: Johnie Rose

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California – Irvine



## Bryce Mashimo

MSTP Year: M2

Email: [blm132@case.edu](mailto:blm132@case.edu)

MSTP AD: Andrew Pieper

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Boston University



## Tommy Nguyen

MSTP Year: M2

Email: [thn40@case.edu](mailto:thn40@case.edu)

MSTP AD: Andrew Pieper

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Pennsylvania



## Scout Osborne

MSTP Year: M2

Email: [smo64@case.edu](mailto:smo64@case.edu)

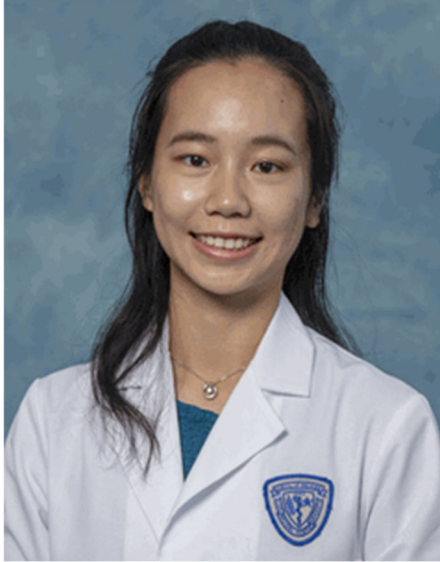
MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Oregon State University



## Tzu-Ni (Mini) Sin

MSTP Year: M2  
Email: [txs871@case.edu](mailto:txs871@case.edu)  
MSTP AD: Arne Rietsch  
Mentor: Undecided  
PhD Program: Undecided  
Research Topic: Undecided  
Undergrad: University of California – Davis

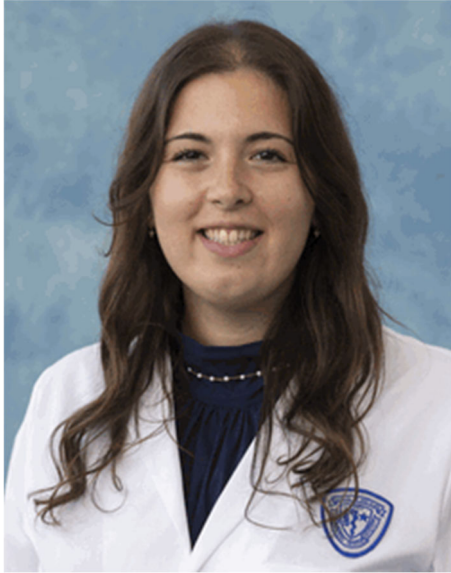
G1



## Gustavo Borjas

MSTP Year: G1  
Email: [gjb89@case.edu](mailto:gjb89@case.edu)  
MSTP AD: Arne Rietsch  
Mentor: John Letterio  
PhD Program: Pathology/Immunology  
Research Topic: Undecided  
Undergrad: Emory University





## Juliana Condoleo

MSTP Year: G1

Email: [jmc406@case.edu](mailto:jmc406@case.edu)

MSTP AD: Heather Broihier

Mentor: Sudha Chakrapani

PhD Program: Pharmacology

Research Topic: Undecided

Undergrad: Johns Hopkins University



## Mahip Kalra

MSTP Year: G1

Email: [mxk9346@case.edu](mailto:mxk9346@case.edu)

MSTP AD: Chris Flask

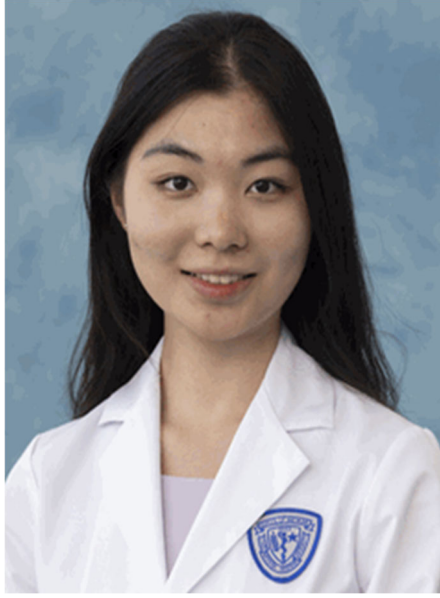
Mentor: Johannes von Lintig

PhD Program: Pharmacology

Research Topic: Vitamin A metabolism in the retina

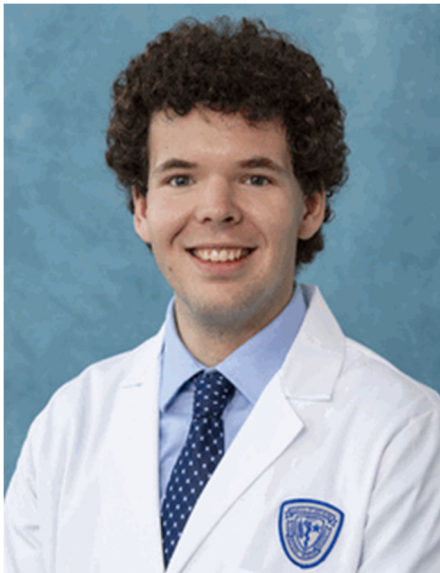
Undergrad: Vanderbilt University





## Alice Liu

MSTP Year: G1  
Email: [asl107@case.edu](mailto:asl107@case.edu)  
MSTP AD: Arne Rietsch  
Mentor: Bela Anand-Apta  
PhD Program: Pharmacology  
Research Topic: Undecided  
Undergrad: University of Illinois at Chicago



## Zachary Player

MSTP Year: G1  
Email: [zep7@case.edu](mailto:zep7@case.edu)  
MSTP AD: Agata Exner  
Mentor: Christopher Nguyen  
PhD Program: Biomedical Engineering  
Research Topic: Cardiac diffusion MRI  
Undergrad: University of Florida



## Jacob Smothers

MSTP Year: G1  
Email: [jbs211@case.edu](mailto:jbs211@case.edu)  
MSTP AD: Agata Exner  
Mentor: Christopher Flask  
PhD Program: Biomedical Engineering  
Research Topic: Undecided  
Undergrad: West Virginia University



## Danielle Streever

MSTP Year: G1  
Email: [dls386@case.edu](mailto:dls386@case.edu)  
MSTP AD: Chris Flask  
Mentor: Andrei Maiseyeu  
PhD Program: Biomedical Engineering  
Research Topic: Nanoparticle synthesis optimization with ML  
Undergrad: Cornell University



## Mahmoud Summers

MSTP Year: G1

Email: [mxs141@case.edu](mailto:mxs141@case.edu)

MSTP AD: Chris Flask

Mentor: Timothy Chan

PhD Program: Pathology/Immunology

Research Topic: Immunotherapy, precision immuno-oncology

Undergrad: Johns Hopkins University



## Sofiya Vyshnya

MSTP Year: G1

Email: [sxv274@case.edu](mailto:sxv274@case.edu)

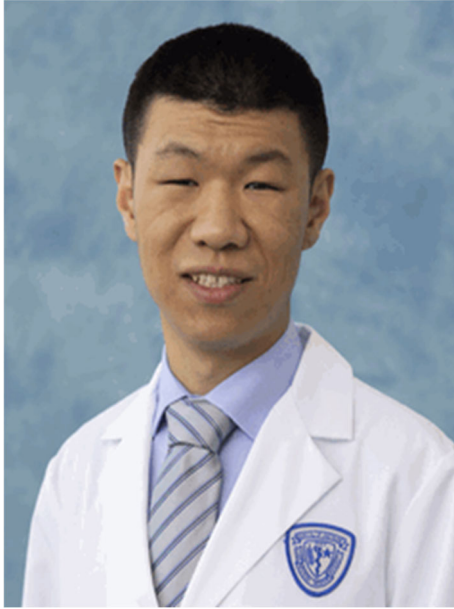
MSTP AD: Agata Exner

Mentor: Satish Viswanath and Michael Jenkins

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: G1

Email: [pxz223@case.edu](mailto:pxz223@case.edu)

MSTP AD: Andrew Pieper

Mentor: Drew Adams

PhD Program: Pharmacology

Research Topic: Undecided

Undergrad: Williams College

G2



## Anuoluwapo Ajao

MSTP Year: G2

Email: [axa1581@case.edu](mailto:axa1581@case.edu)

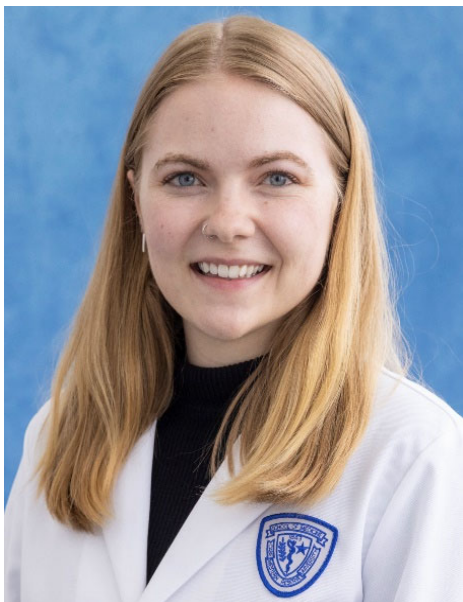
MSTP AD: Agata Exner

Mentor: Roberto Vargas

PhD Program: Pathology/Cancer Biology

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

Undergrad: University of Massachusetts – Boston



## Emily Blaum

MSTP Year: G2

Email: [emb190@case.edu](mailto:emb190@case.edu)

MSTP AD: Agata Exner

Mentor: Neetu Gupta

PhD Program: Pathology/Immunology

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

Undergrad: Boston University of Maryland



## Salvatore (Sonny) Caradonna

MSTP Year: G2

Email: [sgc48@case.edu](mailto:sgc48@case.edu)

MSTP AD: Heather Broihier

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

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

Undergrad: The Ohio State University





## Andy Chen

MSTP Year: G2

Email: [axc1267@case.edu](mailto:axc1267@case.edu)

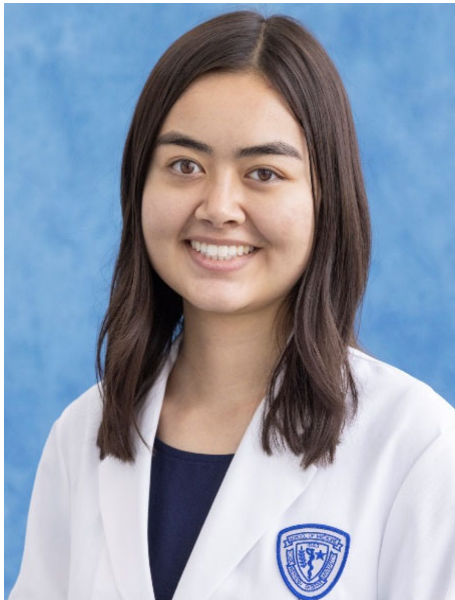
MSTP AD: Andrew Pieper

Mentor: Ashleigh Schaffer

PhD Program: Genetics & Genome Sciences

Research Topic: Untangling the genetic underpinnings of keratoconus pathophysiology using patient-derived corneal organoids

Undergrad: Emory University



## Laura Chen

MSTP Year: G2

Email: [lxc732@case.edu](mailto:lxc732@case.edu)

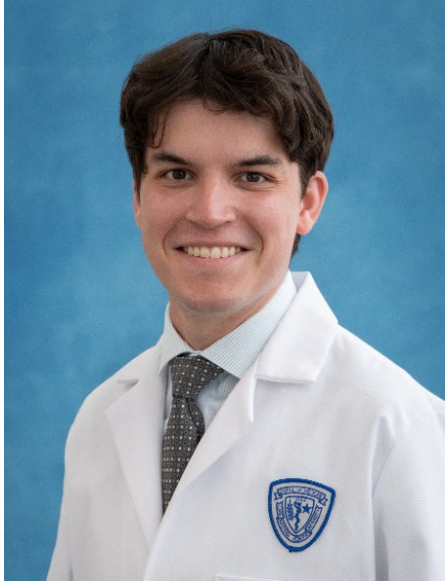
MSTP AD: Andrew Pieper

Mentor: Agata Exner

PhD Program: Novel cationic nanobubbles enable ultrasound-triggered gene delivery

Research Topic: Biological engineering

Undergrad: Massachusetts Institute of Technology



## Alexander Crane

MSTP Year: G2

Email: [ajc406@case.edu](mailto:ajc406@case.edu)

MSTP AD: Heather Broihier

Mentor: Tyler Miller

PhD Program: Systems Biology & Bioinformatics

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

Undergrad: University of Pennsylvania



## Alexander Foden

MSTP Year: G2

Email: [ajf176@case.edu](mailto:ajf176@case.edu)

MSTP AD: Andrew Pieper

Mentor: Heather Broihier

PhD Program: Neurosciences

Research Topic: Glia control experience-dependent plasticity in an olfactory critical period

Undergrad: University of California – Irvine





## Benjamin Hauk

MSTP Year: G2

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

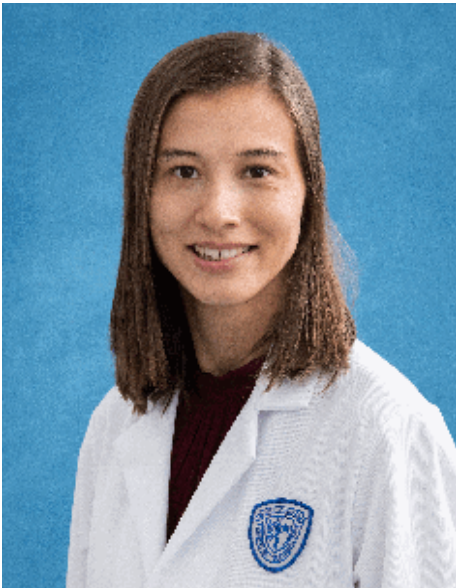
MSTP AD: Chris Flask

Mentor: Corey Speers

PhD Program: Pathology/Cancer Biology

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

Undergrad: College of William & Mary



## Inga Hwang

MSTP Year: G2

Email: [imh38@case.edu](mailto:imh38@case.edu)

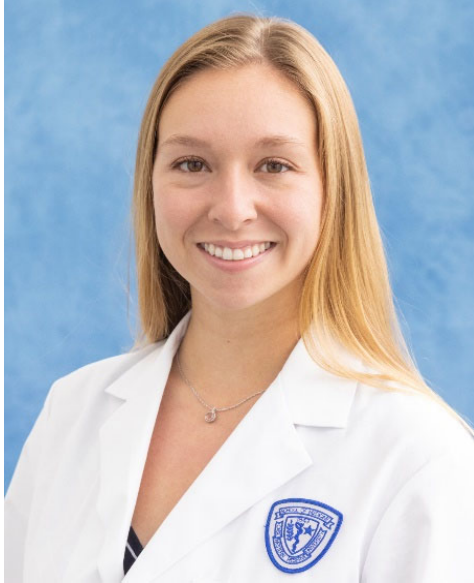
MSTP AD: Chris Flask

Mentor: Efsthios Karathanasis

PhD Program: Biomedical Engineering

Research Topic: M2-like macrophage reprogramming using focused ultrasound and nanobubbles

Undergrad: University of California – Los Angeles



## Kayla Klatt

MSTP Year: G2

Email: [krk110@case.edu](mailto:krk110@case.edu)

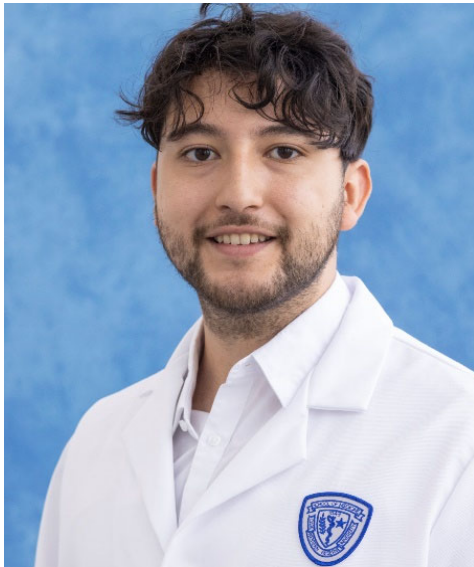
MSTP AD: Chris Flask

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

Research Topic: Investigating the regulation and functions of PRSS1 and PRSS2 in natural killer cells

Undergrad: Johns Hopkins University



## Victor Pastrana-Gómez

MSTP Year: G2

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

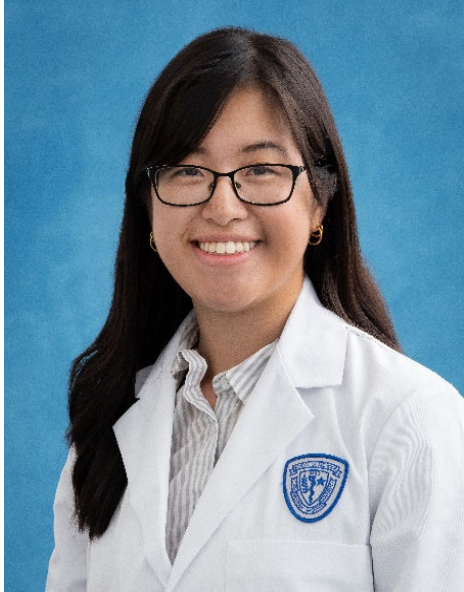
MSTP AD: Chris Flask

Mentor: Agata Exner

PhD Program: Biomedical Engineering

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

Undergrad: University of Illinois at Urbana-Champaign



## Iris Peng

MSTP Year: G2

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

MSTP AD: Heather Broihier

Mentor: Allison Kraus

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Post-translational modification signatures of tau seeds without Alzheimer's disease neuropathology

Undergrad: Brown University



## Javier Urcuyo Acevedo

MSTP Year: G2

Email: [jcu7@case.edu](mailto:jcu7@case.edu)

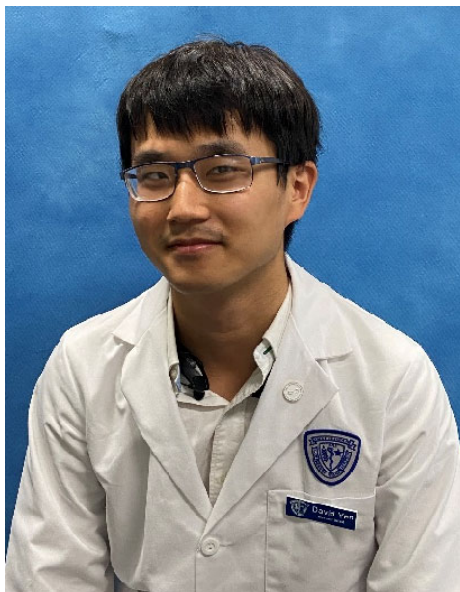
MSTP AD : Heather Broihier

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: Role of CDK5 in Medulloblastoma: Regulation of PD-L1 and MHC expression.

Undergrad: Arizona State University



## David Yan

MSTP Year: G2

Email: [dfy3@case.edu](mailto:dfy3@case.edu)

MSTP AD: Arne Rietsch

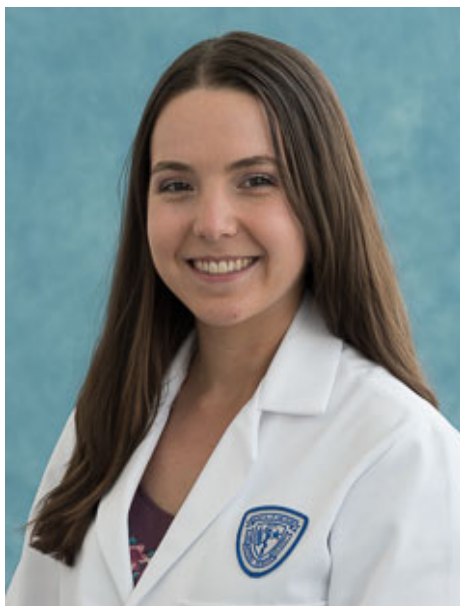
Mentor: Drew Adams

PhD Program: Genetics & Genome Sciences

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

Undergrad: Case Western Reserve University

G3



## Corynn Appolonia

MSTP Year: G3

Email: [cna24@case.edu](mailto:cna24@case.edu)

MSTP AD: Chris Flask

Mentor: Parameswaran Ramakrishnan

PhD Program: Pathology/Immunology

Research Topic: Sam68 is a critical regulator of retinal angiogenesis

Undergrad: University of Pittsburgh



## Henock Befekadu

MSTP Year: G3

Email: [hbb34@case.edu](mailto:hbb34@case.edu)

MSTP AD: Heather Broihier

Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

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

Undergrad: Carleton College



## Indrani Das

MSTP Year: G3

Email: [ixd63@case.edu](mailto:ixd63@case.edu)

MSTP AD : Andrew Pieper

Mentor: David Wald

PhD Program: Pathology/Immunology

Research Topic: High-throughput compound screening reveals small molecule mediators of NK cytotoxicity against solid cancers

Undergrad: Harvard University





## Katherine Dominic

MSTP Year: G3

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

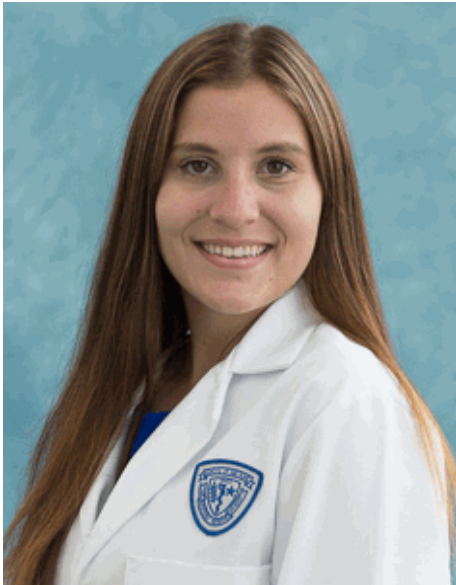
MSTP AD: Agata Exner

Mentor: Julian Stelzer

PhD Program: Physiology & Biophysics

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

Undergrad: University of California – Berkeley



## Claire Fritz

MSTP Year: G3

Email: [cef78@case.edu](mailto:cef78@case.edu)

MSTP AD: Andrew Pieper

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Cancer Biology

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

Undergrad: Case Western Reserve University



## Jacob Ingber

MSTP Year: G3

Email: [jj20@case.edu](mailto:jj20@case.edu)

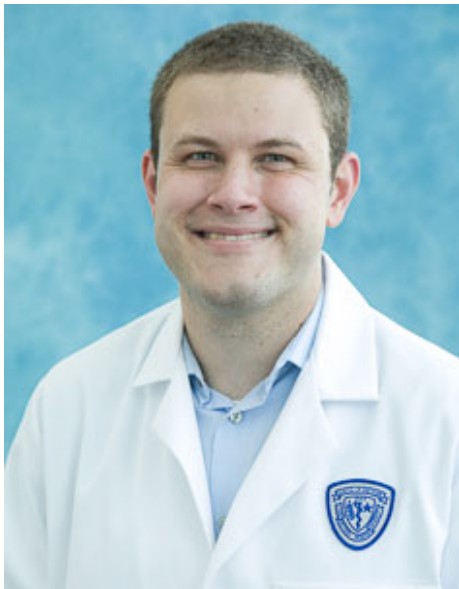
MSTP AD: Arne Rietsch

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: G3

Email: [hcl25@case.edu](mailto:hcl25@case.edu)

MSTP AD: Andrew Pieper

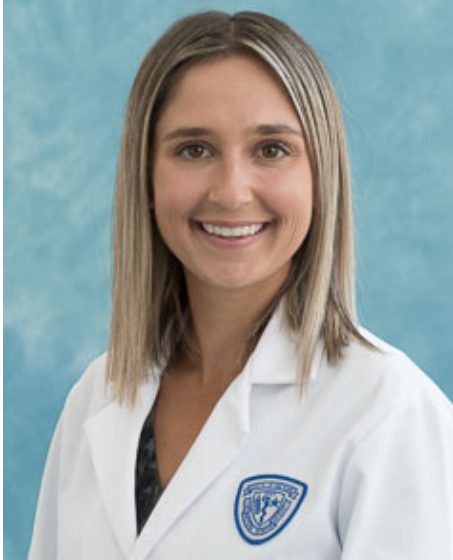
Mentor: Heather Broihier

PhD Program: Neurosciences

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

Undergrad: Reed College





## Christina MacAskill

MSTP Year: G3

Email: [cjm191@case.edu](mailto:cjm191@case.edu)

MSTP AD: Agata Exner

Mentor: Christopher Flask

PhD Program: Biomedical Engineering

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

Undergrad: Case Western Reserve University



## Marc Scemama de Gialluly

MSTP Year: G3

Email: [mas608@case.edu](mailto:mas608@case.edu)

MSTP AD: Heather Broihier

Mentor: Drew Adams

PhD Program: Pathology/Cancer Biology

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

Undergrad: University of Richmond



## Brendan Sheehan

MSTP Year: G3

Email: [bks60@case.edu](mailto:bks60@case.edu)

MSTP AD: Heather Broihier

Mentor: Derek Taylor

PhD Program: Pharmacology

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

Undergrad: Oberlin College



## Paulameena Shultes

MSTP Year: G3

Email: [pvs13@case.edu](mailto:pvs13@case.edu)

MSTP AD: Agata Exner

Mentor: Jacob Scott

PhD Program: Systems Biology & Bioinformatics

Research Topic: Cell-cell fusion in NSCLC: Novel transcriptomic features

Undergrad: University of California - Berkeley



## Prerna Singh

MSTP Year: G3

Email: [pxs524@case.edu](mailto:pxs524@case.edu)

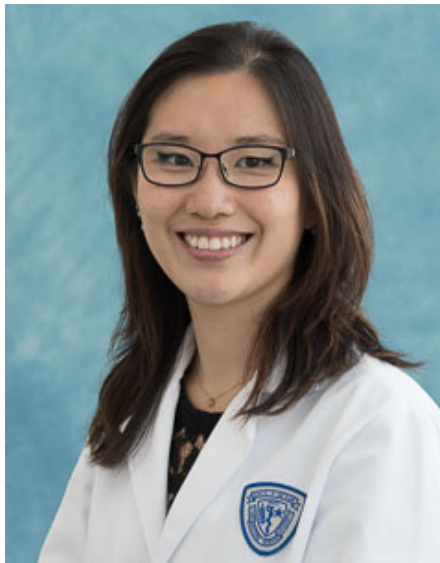
MSTP AD: Agata Exner

Mentor: David Wilson

PhD Program: Biomedical Engineering

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

Undergrad: Johns Hopkins University



## Jeehyun Karen You

MSTP Year: G3

Email: [jxy953@case.edu](mailto:jxy953@case.edu)

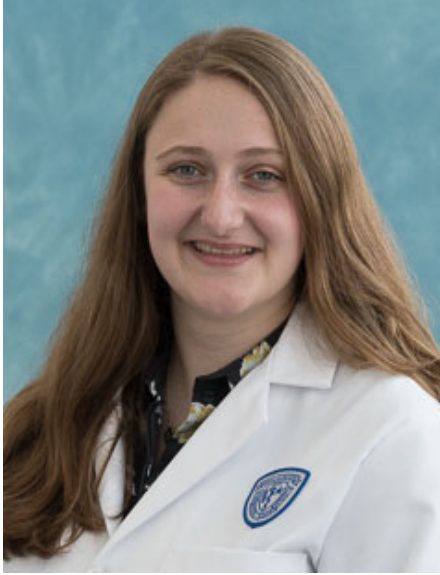
MSTP AD: Arne Rietsch

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Gasdermin B splice acceptor site variant rs11078928: Novel implications for Crohn's disease pathogenesis

Undergrad: SUNY Stony Brook



## Hannah Zamore

MSTP Year: G3

Email: [hzh24@case.edu](mailto:hzh24@case.edu)

MSTP AD: Andrew Piper

Mentor: Allison Kraus

PhD Program: Pathology/Molecular & Cellular Basis of Disease

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

Undergrad: Bryn Mawr College

G4+



## Bijoya (Bijou) Basu

MSTP Year: G4+

Email: [bxh424@case.edu](mailto:bxh424@case.edu)

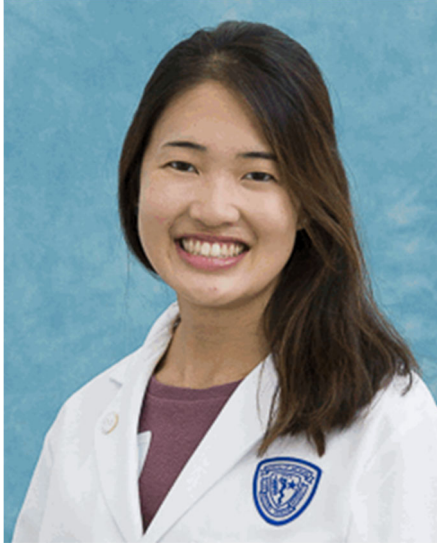
MSTP AD: Heather Broihier

Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

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

Undergrad: Washington University in St. Louis



## Diana Chin

MSTP Year: G4+

Email: [dhc64@case.edu](mailto:dhc64@case.edu)

MSTP AD: Arne Rietsch

Mentor: Berkley Gryder

PhD Program: Genetics & Genome Sciences

Research Topic: RUNX2 drives 3D epigenetic landscape of osteosarcoma

Undergrad: Princeton University



## Sofia Corella

MSTP Year: G4+

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

MSTP AD: Heather Broihier

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular & Cellular Basis of Disease

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

Undergrad: University of North Carolina – Chapel Hill





## Himanshu Dashora

MSTP Year: G4+

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

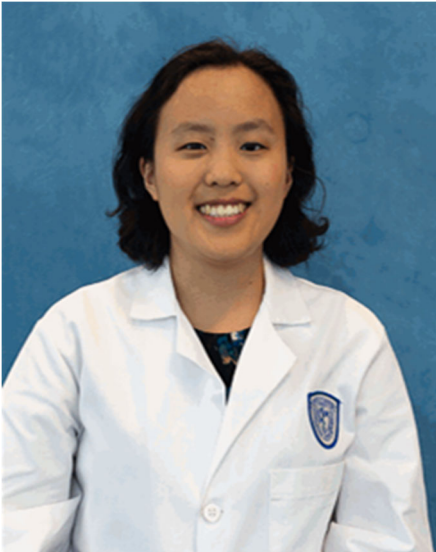
MSTP AD: Agata Exner

Mentor: Jennifer Yu

PhD Program: Pathology/Cancer Biology

Research Topic: SMARCA5 inhibition for glioblastoma differentiation therapy

Undergrad: Johns Hopkins University



## Natalie Hong

MSTP Year: G4+

Email: [neh47@case.edu](mailto:neh47@case.edu)

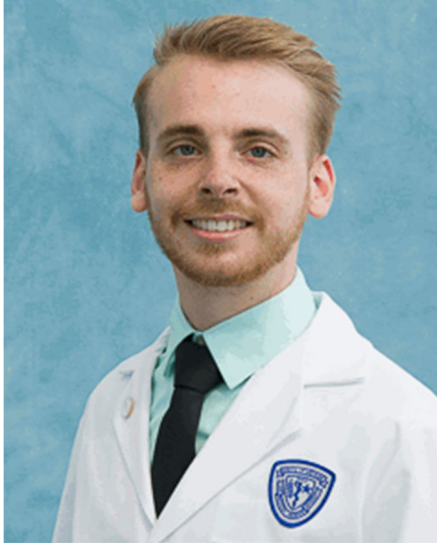
MSTP AD: Chris Flask

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



## Paul Karell

MSTP Year: G4+

Email: [pek35@case.edu](mailto:pek35@case.edu)

MSTP AD: Chris Flask

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

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

Undergrad: University of Pittsburgh



## Rupleen Kaur

MSTP Year: G4+

Email: [rxk614@case.edu](mailto:rxk614@case.edu)

MSTP AD: Heather Broihier

Mentor: Andrew Dhawan

PhD Program: Systems Biology & Bioinformatics

Research Topic: Astrocyte spatial distribution affects growth dynamics of breast cancer brain metastases

Undergrad: University of California – Davis





## Emily Klemm

MSTP Year: G4+

Email: [emk147@case.edu](mailto:emk147@case.edu)

MSTP AD: Chris Flask

Mentor: Sudha Chakrapani

PhD Program: Physiology & Biophysics

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

Undergrad: University of Michigan



## Thomas Lavin

MSTP Year: G4+

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

MSTP AD: Andrew Pieper

Mentor: John Tilton

PhD Program: Pathology/Molecular & Cellular Basis of Disease

Research Topic: Novel VLPs carrying a Tat fusion protein reactivate latent HIV

Undergrad: University of Maine



## Katherine Letai

MSTP Year: G4+

Email: [kcl68@case.edu](mailto:kcl68@case.edu)

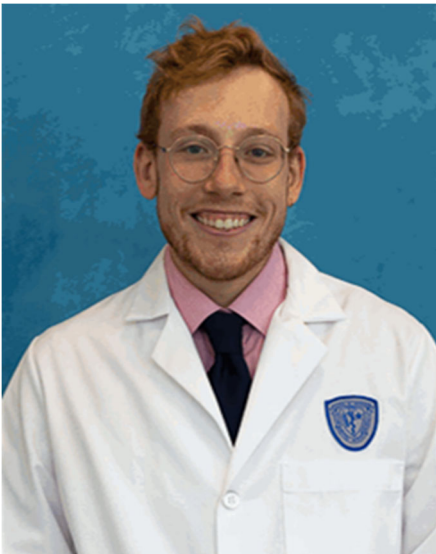
MSTP AD: Heather Broihier

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](mailto:kpn11@case.edu)

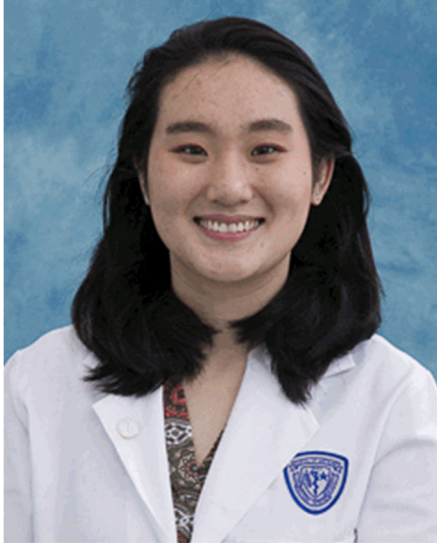
MSTP AD: Arne Rietsch

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

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

Undergrad: Vassar College



## Michelle Pan

MSTP Year: G4+

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

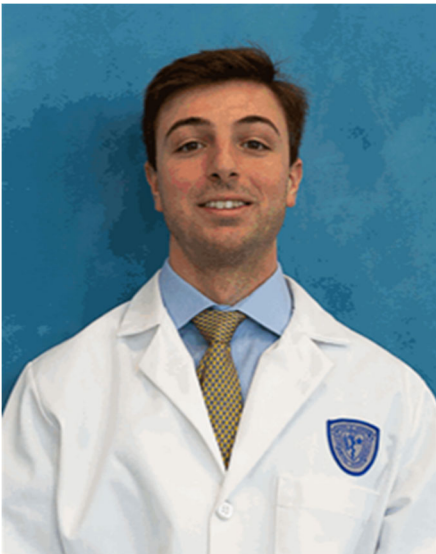
MSTP AD: Arne Rietsch

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Induction of necroptosis releases MLKL's executioner domain before its RIPK3-mediated phosphorylation

Undergrad: Franklin & Marshall College



## Joseph Schindler

MSTP Year: G4+

Email: [jcs186@case.edu](mailto:jcs186@case.edu)

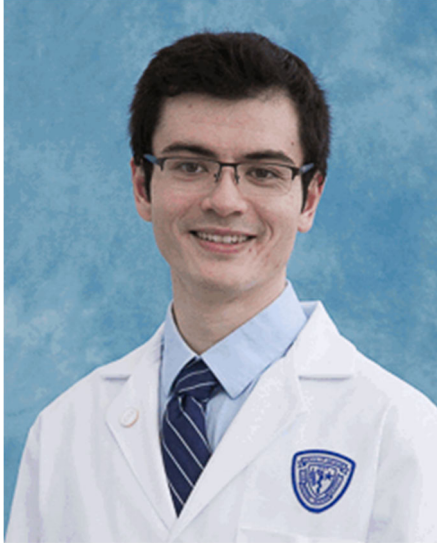
MSTP AD: Andrew Pieper

Mentor: Jonathan Stamler

PhD Program: Biochemistry

Research Topic: Regulation of alternative splicing via S-nitrosylation

Undergrad: Middlebury College



## Kyle Starost

MSTP Year: G4+

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

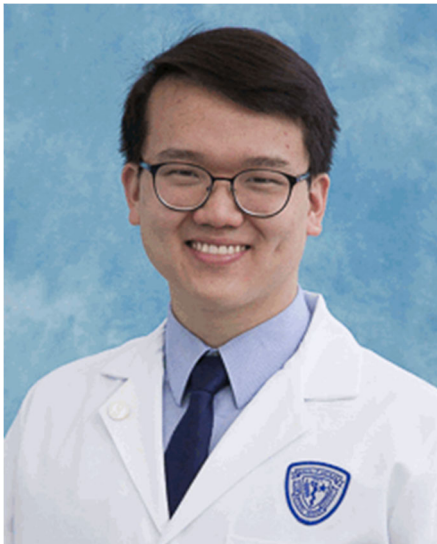
MSTP AD: Chris Flask

Mentor: Seth Field

PhD Program: Pathology/Cancer Biology

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

Undergrad: Case Western Reserve University



## Stephen Wang

MSTP Year: G4+

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

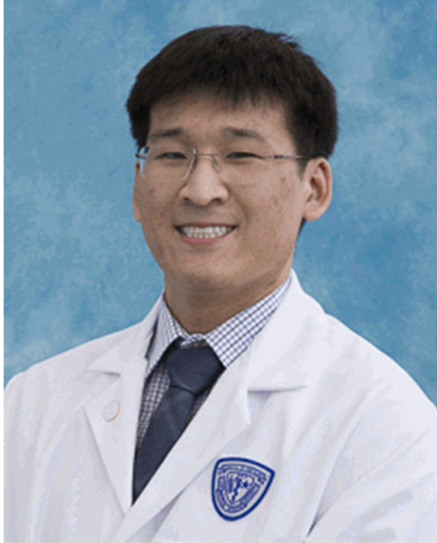
MSTP AD: Heather Broihier

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: G4+

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

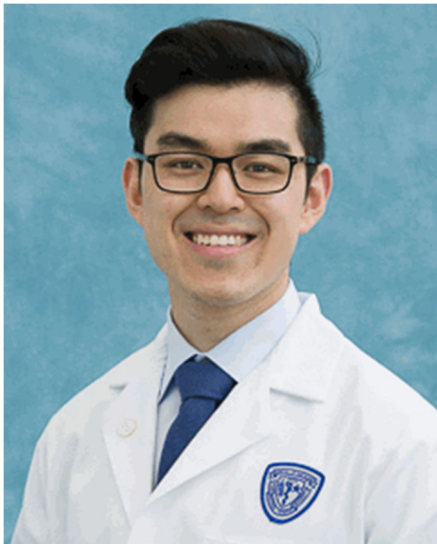
MSTP AD: Agata Exner

Mentor: Samuel Senyo

PhD Program: Biomedical Engineering

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

Undergrad: University of Michigan



## Ying Xiong

MSTP Year: G4+

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

MSTP AD: Arne Rietsch

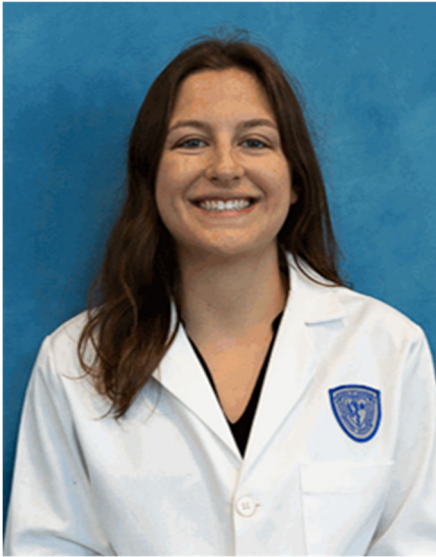
Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Pathological inflammation alters oligodendrocyte differentiation and function

Undergrad: University of Pennsylvania

M3



## Sarah Barker

MSTP Year: M3

Email: [sxb878@case.edu](mailto:sxb878@case.edu)

MSTP AD: Heather Broihier

Mentor: Andrew Pieper

PhD Program: Pathology/Molecular and Cellular Basis of Disease

Research Topic: Traumatic Brain Injury Induced Acceleration of Aging Related Neurodegenerative Disease

Undergrad: Colorado College



## Melissa Bonner

MSTP Year: M3

Email: [mrb194@case.edu](mailto:mrb194@case.edu)

MSTP AD: Chris Flask

Mentor: Alex Huang

PhD Program: Pathology/Cancer Biology

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

Undergrad: University of Southern California





## Brendan Boylan

MSTP Year: M3

Email: [btb47@case.edu](mailto:btb47@case.edu)

MSTP AD: Andrew Pieper

Mentor: Cornelia Bergmann

PhD Program: Pathology/Immunology

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

Undergrad: University of Wisconsin – Madison



## Syrena Bracey

MSTP Year: M3

Email: [smb274@case.edu](mailto:smb274@case.edu)

MSTP AD: Arne Rietsch

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: M3

Email: [rod10@case.edu](mailto:rod10@case.edu)

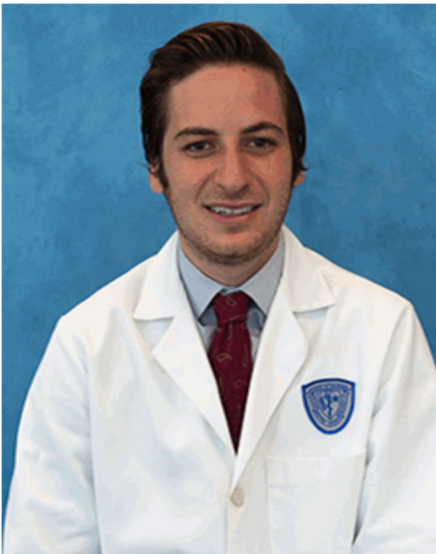
MSTP AD: Chris Flask

Mentor: Scott Williams

PhD Program: Epidemiology & Biostatistics

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

Undergrad: The University of Texas at Dallas



## Daniel Feinberg

MSTP Year: M3

Email: [daf93@case.edu](mailto:daf93@case.edu)

MSTP AD: Arne Rietsch

Mentor: Reshmi Parameswaran

PhD Program: Pathology/Immunology

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

Undergrad: Washington University in St. Louis



## Zachary Grimmatt

MSTP Year: M3

Email: [zxg198@case.edu](mailto:zxg198@case.edu)

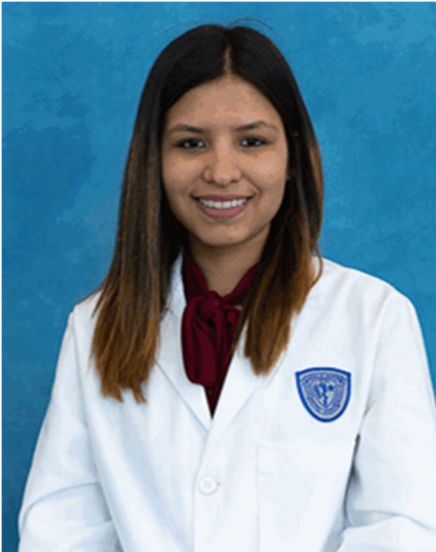
MSTP AD: Heather Broihier

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



## Natasha Ingles

MSTP Year: M3

Email: [nxi53@case.edu](mailto:nxi53@case.edu)

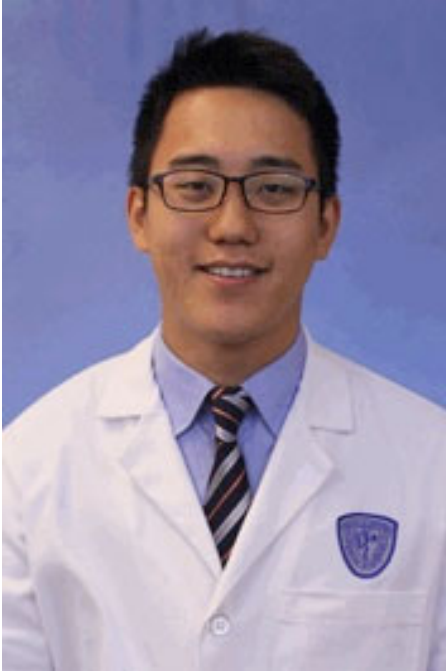
MSTP AD: Heather Broihier

Mentor: Ruth Keri

PhD Program: Pathology/Cancer Biology

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

Undergrad: University of Puerto Rico – Mayaguez



## Brian Kim

MSTP Year: M3

Email: [bxk342@case.edu](mailto:bxk342@case.edu)

MSTP AD: Andrew Pieper

Mentor: Atul Chopra

PhD Program: Genetics & Genome Sciences

Research Topic: Asprosin transactivation underlies obesity relapse and inheritance

Undergrad: University of Pennsylvania



## Erik Koritzinsky

MSTP Year: M3

Email: [ehk44@case.edu](mailto:ehk44@case.edu)

MSTP AD: Chris Flask

Mentor: Robert Fairchild

PhD Program: Pathology/Immunology

Research Topic: Novel strategies to inhibit ischemia-reperfusion injury in high-risk allografts

Undergrad: Cornell University



## Alexander Lesser

MSTP Year: M3

Email: [afl36@case.edu](mailto:afl36@case.edu)

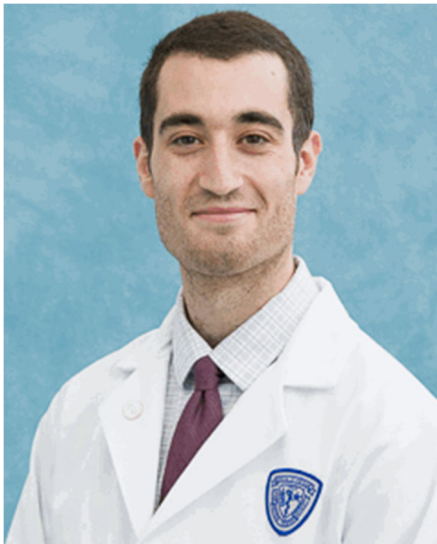
MSTP AD: Heather Broihier

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



## Benjamin Mittman

MSTP Year: M3

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

MSTP AD: Andrew Pieper

Mentor: Michael Rothberg

PhD Program: Biomedical & Health Informatics

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

Undergrad: Hamilton College



## Meghan O'Keefe

MSTP Year: M3

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

MSTP AD: Heather Broihier

Mentor: Derek Abbott

PhD Program: Pathology/Immunology

Research Topic: Beyond Pyroptosis: Cellular consequences of inflammasome stimulation

Undergrad: Northeastern University



## Vanessa Salazar

MSTP Year: M3

Email: [vx313@case.edu](mailto:vx313@case.edu)

MSTP AD: Andrew Pieper

Mentor: Thaddeus Stappenbeck

PhD Program: Pathology/Immunology

Research Topic: Skin microbiota drive immune checkpoint inhibitor toxicity

Undergrad: Washington University in St Louis





## Josephine Trichka

MSTP Year: M3

Email: [jit78@case.edu](mailto:jit78@case.edu)

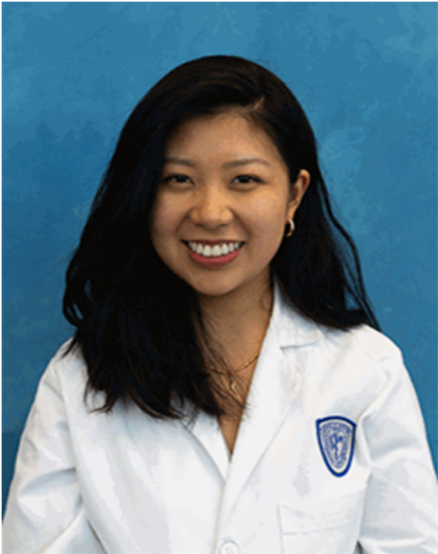
MSTP AD: Chris Flask

Mentor: Stanley Adoro

PhD Program: Pathology/Immunology

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

Undergrad: Middlebury College



## Sabrina Wang

MSTP Year: M3

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

MSTP AD: Arne Rietsch

Mentor: Justin Lathia

PhD Program: Pathology/Cancer Biology

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

Undergrad: Johns Hopkins University



## William Wulftange

MSTP Year: M3

Email: [wjw61@case.edu](mailto:wjw61@case.edu)

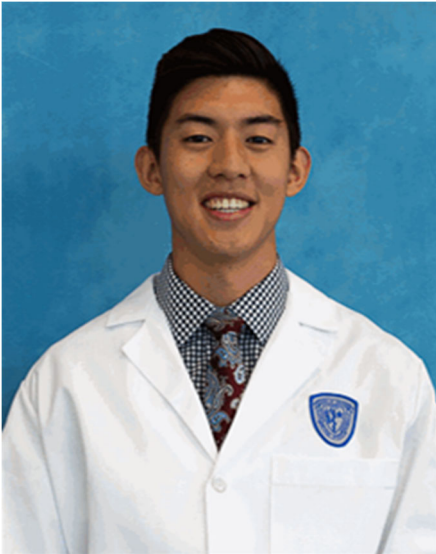
MSTP AD: Agata Exner

Mentor: Umut Gurkan

PhD Program: Biomedical Engineering

Research Topic: Microengineered systems for advancing hematological precision therapies

Undergrad: University of Nevada – Reno



## Jesse Zhan

MSTP Year: M3

Email: [jjz46@case.edu](mailto:jjz46@case.edu)

MSTP AD: Andrew Pieper

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating the circadian aspect of oligodendroglia biology

Undergrad: Johns Hopkins University



## Walter Zhao

MSTP Year: M3

Email: [wxz485@case.edu](mailto:wxz485@case.edu)

MSTP AD: Agata Exner

Mentor: Dan Ma

PhD Program: Biomedical Engineering

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

Undergrad: Johns Hopkins University

## M4



## Lucie Ahn

MSTP Year: M4

Email: [yxa133@case.edu](mailto:yxa133@case.edu)

MSTP AD: Andrew Pieper

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



Undergrad: Cornell University

## Yi Fan Chen

MSTP Year: M4

Email: [yxc1272@case.edu](mailto:yxc1272@case.edu)

MSTP AD: Arne Riestch

Mentor: Drew Adams

PhD Program: Genetics & Genome Sciences

Research Topic: Beyond nuclear export:  
Expanding the biology and chemical biology of  
exportin-1



## Erin Cohn

MSTP Year: M4

Email: [efc35@case.edu](mailto:efc35@case.edu)

MSTP AD: Andrew Pieper

Mentor: Paul Tesar

PhD Program: Genetics & Genome Sciences

Research Topic: Oligodendrocyte dysfunction and  
resilience amidst environmental stress

Undergrad: Wesleyan University



## Raza Haider

MSTP Year: M4

Email: [rxh376@case.edu](mailto:rxh376@case.edu)

MSTP AD: Andrew Pieper

Mentor: Witold Surewicz

PhD Program: Physiology & Biophysics

Research Topic: The role of phosphorylation as a regulatory mechanism in liquid-liquid phase separation of TDP-43 low complexity domain

Undergrad: Emory University



## Emily Hannon

MSTP Year: M4

Email: [erh90@case.edu](mailto:erh90@case.edu)

MSTP AD: Arne Riestch

Mentor: James Kazura

PhD Program: Epidemiology & Biostatistics

Research Topic: Assessing heterogeneity of the immune response to malaria in African children

Undergrad: University of Colorado at Boulder



## Ellen Hong

MSTP Year: M4

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

MSTP AD: Heather Broihier

Mentor: Justin Lathia

PhD Program: Genetics & Genome Sciences

Research Topic: Investigating gene expression regulation in glioblastoma

Undergrad: Cornell University



## Darren (Dan) Jindal

MSTP Year: M4

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

MSTP AD: Andrew Pieper

Mentor: Justin Lathia

PhD Program: Genetics & Genome Sciences

Research Topic: A new model for synapse pruning uncovers a role for MEGF10/Jedi-1/Draper in activity-dependent refinement during a critical period

Undergrad: Cornell University





## Olive Jung

MSTP Year: M4

Email: [oxj19@case.edu](mailto:oxj19@case.edu)

MSTP AD: Agata Exner

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: M4

Email: [esk81@case.edu](mailto:esk81@case.edu)

MSTP AD: Agata Exner

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: M4

Email: [mkm126@case.edu](mailto:mkm126@case.edu)

MSTP AD: Agata Exner

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: M4

Email: [ard91@case.edu](mailto:ard91@case.edu)

MSTP AD: Arne Rietsch

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: M4

Email: [jxl1574@case.edu](mailto:jxl1574@case.edu)

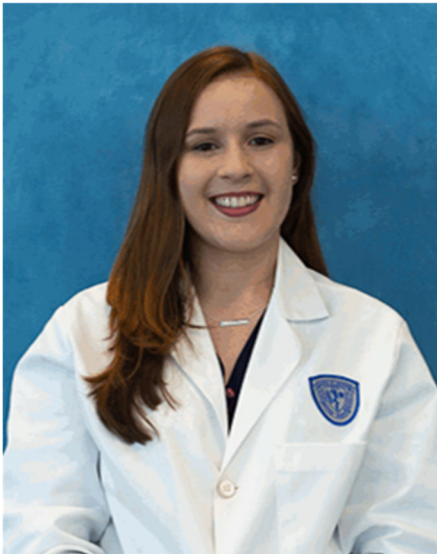
MSTP AD: Agata Exner

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: M4

Email: [axa1059@case.edu](mailto:axa1059@case.edu)

MSTP AD: Agata Exner

Mentor: Alex Huang

PhD Program: Pathology/Immunology

Research Topic: PIEZO1: An Important Regulator of CD4+ T Cell Biology

Undergrad: Oklahoma State University



## Nicholas Venetos

MSTP Year: M4

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MSTP AD: Arne Rietsch

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: M4

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PhD Program: Biochemistry

Research Topic: Subcellular and quantitative perspectives of RNA protein interactions

Undergrad: Cooper Union