

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](#)
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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



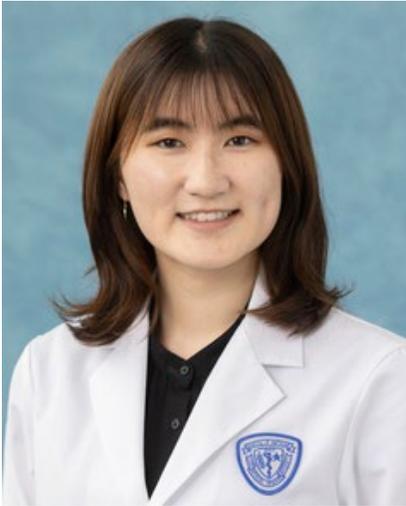
Aditya Ailiani

MSTP Year: M1
Email: ara93@case.edu
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
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

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

MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

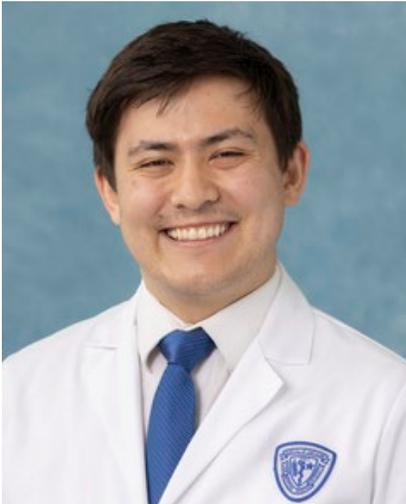
Research Topic: Undecided

Undergrad: University of California – Los Angeles



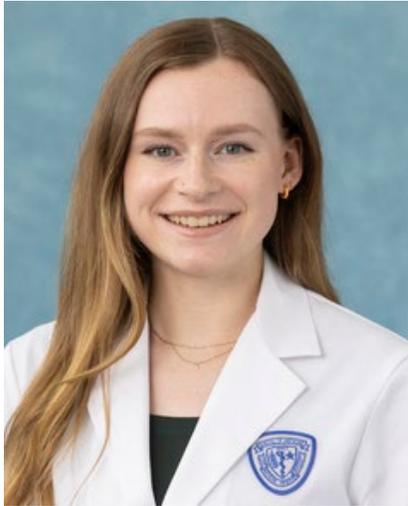
Spenser Johnson

MSTP Year: M1
Email: sxj975@case.edu
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
MSTP AD: Heather Broihier
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Boston College



Sophia Korotev

MSTP Year: M1

Email: sck73@case.edu

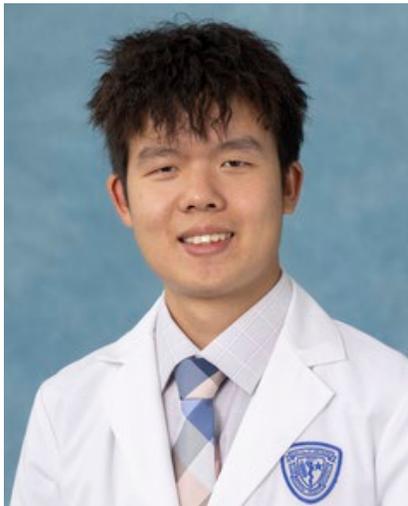
MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Chicago



Yifan Liao

MSTP Year: M1

Email: yxl3849@case.edu

MSTP AD: Arne Rietsch

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Northwestern University



Torsten Ullrich

MSTP Year: M1

Email: tru3@case.edu

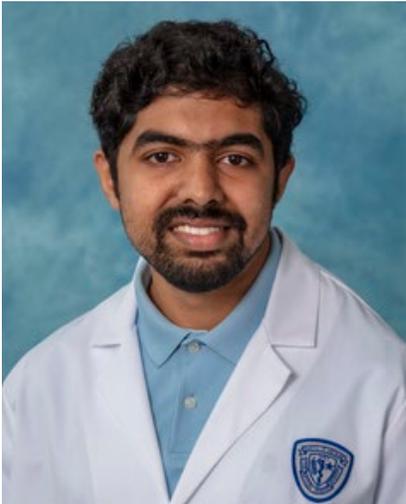
MSTP AD: Heather Broihier

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Brown University



Nikhil Vijai

MSTP Year: M1

Email: nxv130@case.edu

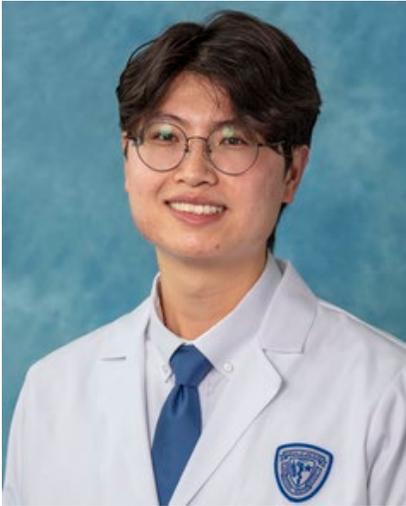
MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Notre Dame



Princeton Zhong

MSTP Year: M1

Email: pxz246@case.edu

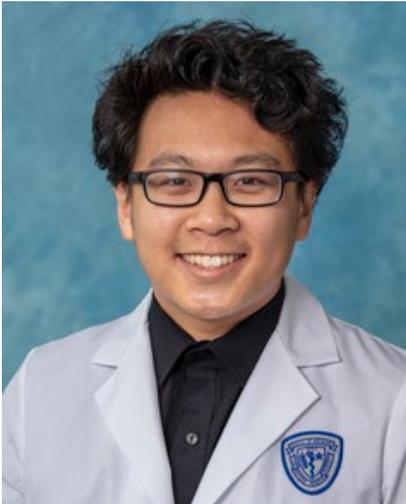
MSTP AD: Agata Exner

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of California - Davis



Jedidiah (Jed) Zhu

MSTP Year: M1

Email: jzz18@case.edu

MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Emory University

M2



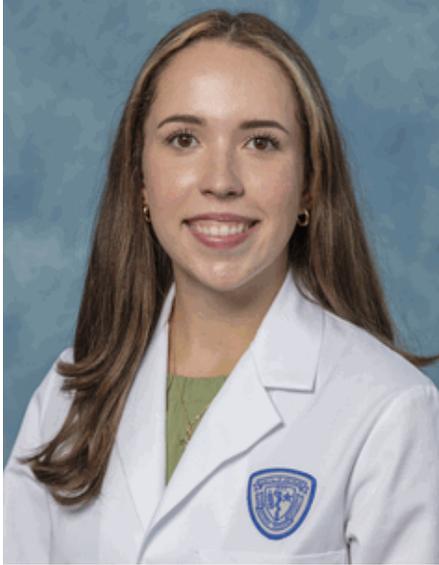
Hamza Dahshi

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



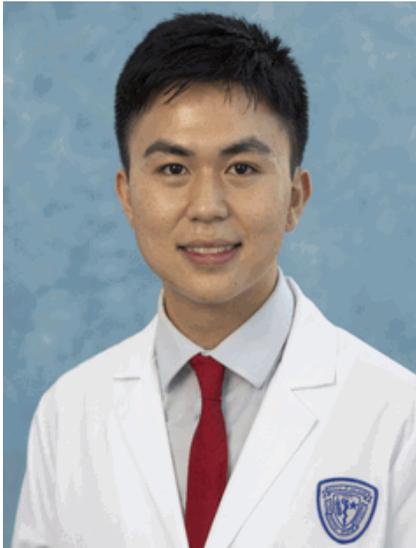
Yunsun (Sunny) Eoh

MSTP Year: M2
Email: yxe39@case.edu
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
MSTP AD: Andrew Pieper
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of Georgia



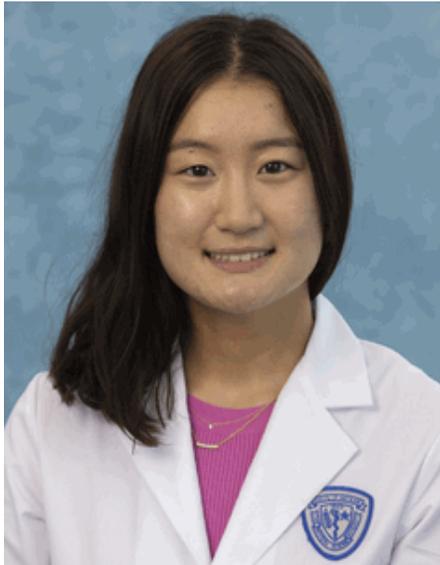
Skyler Hoang

MSTP Year: M2
Email: hkh38@case.edu
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
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
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

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

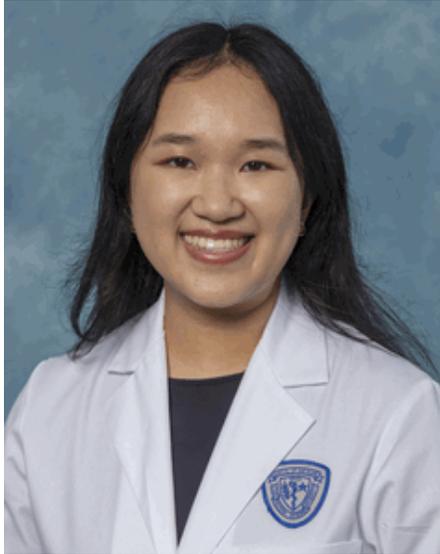
MSTP AD: Heather Broihier

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: University of Pennsylvania



Uyen Mai

MSTP Year: M2
Email: utm@case.edu
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
MSTP AD: Andrew Pieper
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: Boston University



Tommy Nguyen

MSTP Year: M2

Email: 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

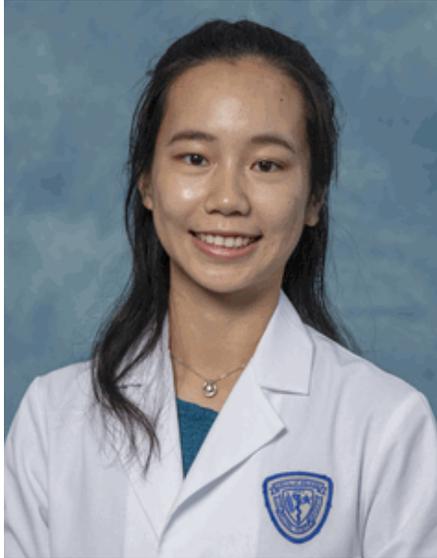
MSTP AD: Chris Flask

Mentor: Undecided

PhD Program: Undecided

Research Topic: Undecided

Undergrad: Oregon State University



Tzu-Ni (Mini) Sin

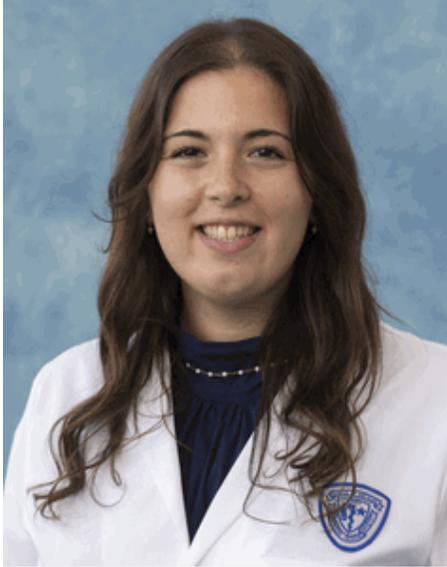
MSTP Year: M2
Email: txs871@case.edu
MSTP AD: Arne Rietsch
Mentor: Undecided
PhD Program: Undecided
Research Topic: Undecided
Undergrad: University of California – Davis

G1



Gustavo Borjas

MSTP Year: G1
Email: gjb89@case.edu
MSTP AD: Arne Riestch
Mentor: John Letterio
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Emory University



Juliana Condoleo

MSTP Year: G1

Email: 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

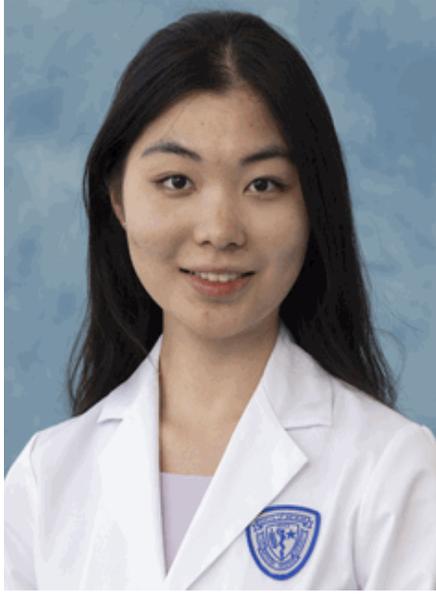
MSTP AD: Chris Flask

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
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
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
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
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

MSTP AD: Chris Flask

Mentor: Timothy Chan

PhD Program: Pathology/Immunology

Research Topic: Immunotherapy, precision immunoncology

Undergrad: Johns Hopkins University



Sofiya Vyshnya

MSTP Year: G1

Email: svv274@case.edu

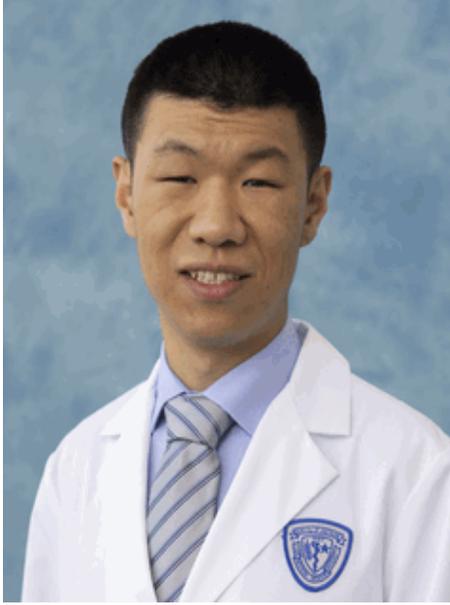
MSTP AD: Agata Exner

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

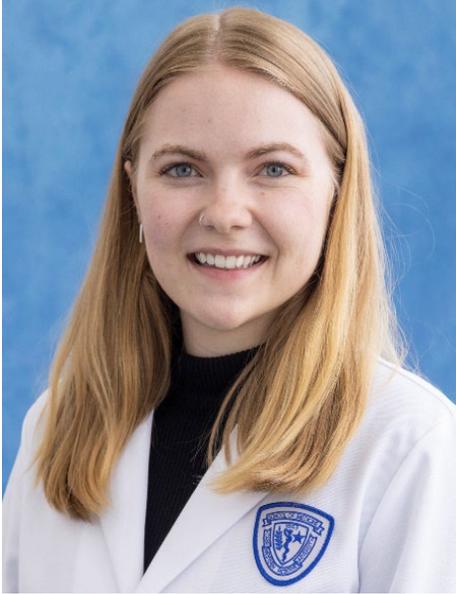
MSTP Year: G1
Email: pxz223@case.edu
MSTP AD: Andrew Pieper
Mentor: Drew Adams
PhD Program: Pharmacology
Research Topic: Undecided
Undergrad: Williams College

G2



Anuoluwapo Ajao

MSTP Year: G2
Email: axa1581@case.edu
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

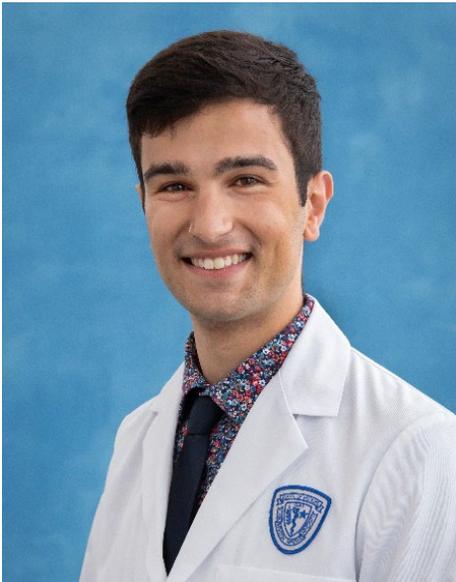
MSTP AD: Agata Exner

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

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

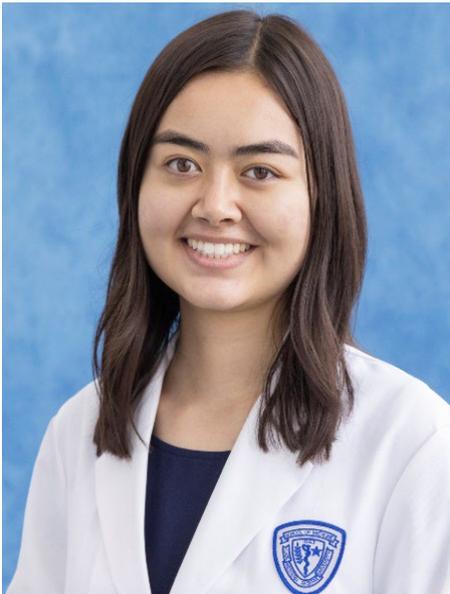
MSTP AD: Andrew Pieper

Mentor: Jennifer Yu

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

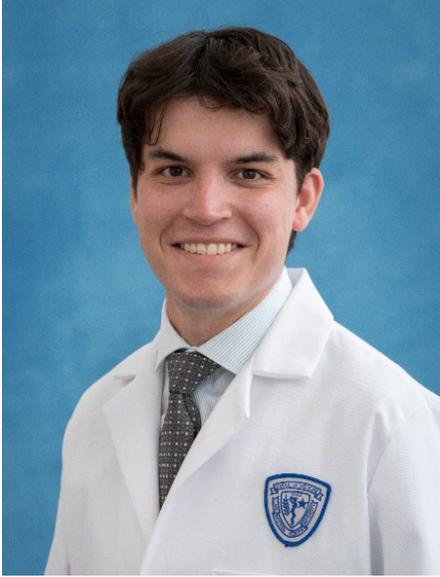
MSTP AD: Andrew Pieper

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

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

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

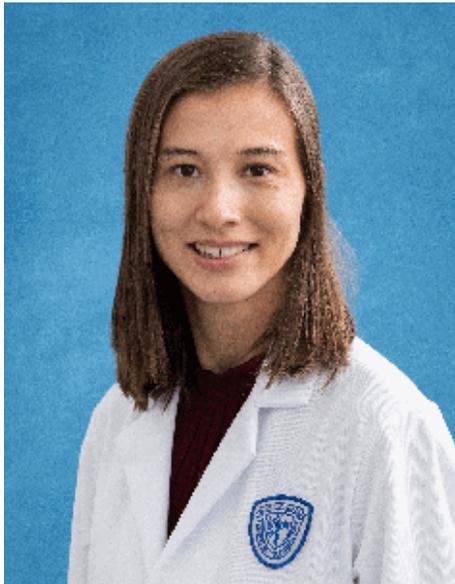
MSTP AD: Chris Flask

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

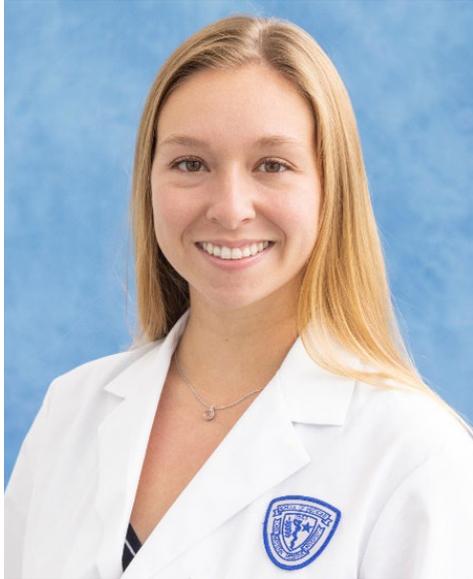
MSTP AD: Chris Flask

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

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

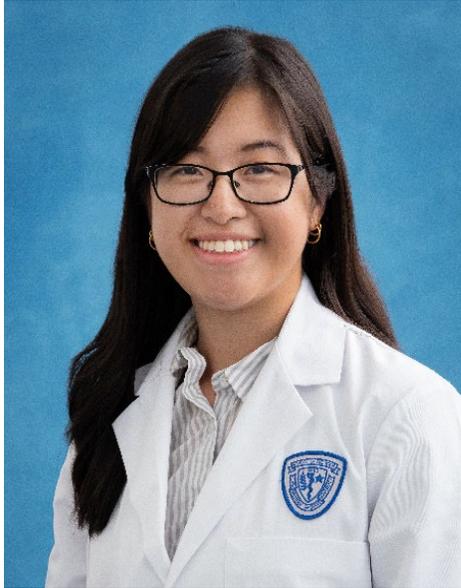
MSTP AD: Chris Flask

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

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

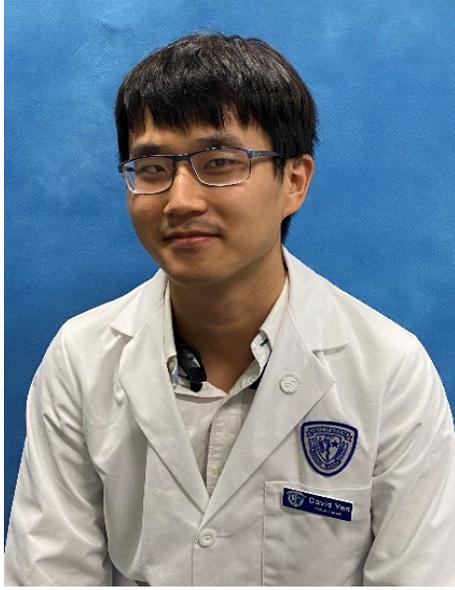
MSTP AD : Heather Broihier

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

MSTP AD: Arne Rietsch

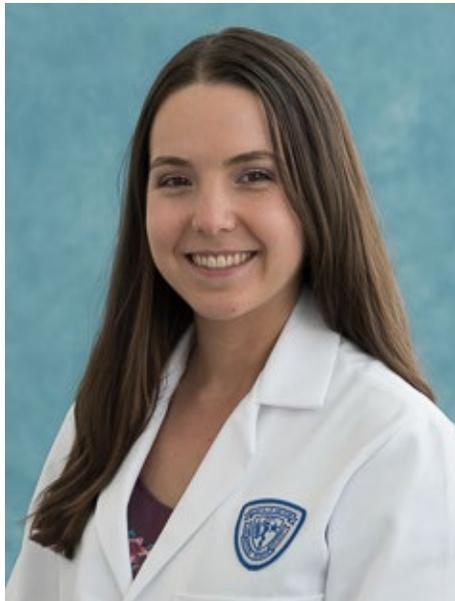
Mentor: Drew Adams

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

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

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

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

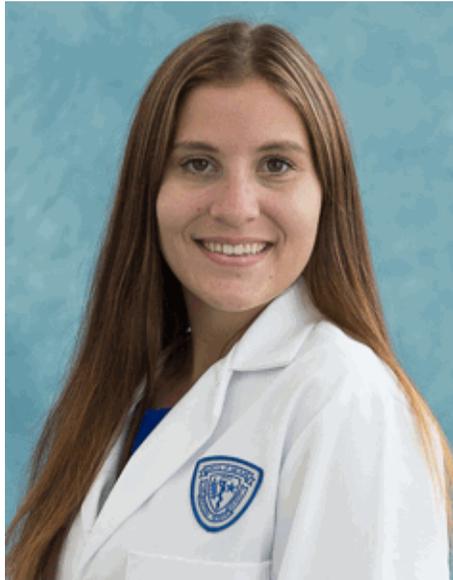
MSTP AD: Agata Exner

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

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: ji20@case.edu

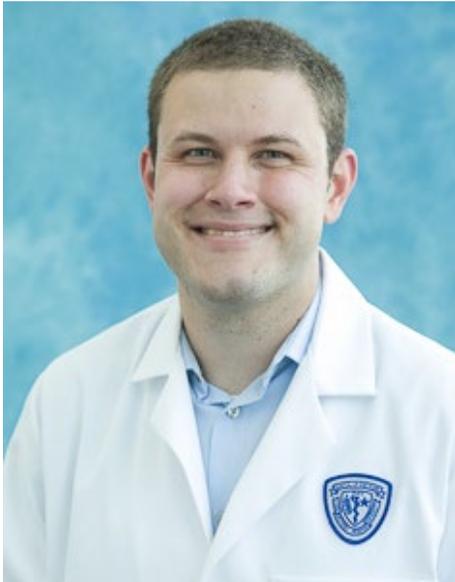
MSTP AD: Arne Rietsch

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

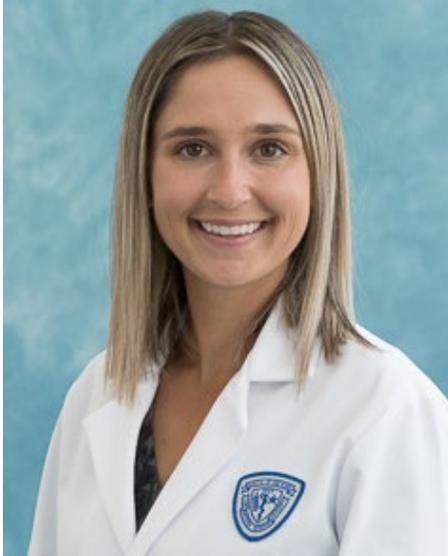
MSTP AD: Andrew Pieper

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

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

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

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

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

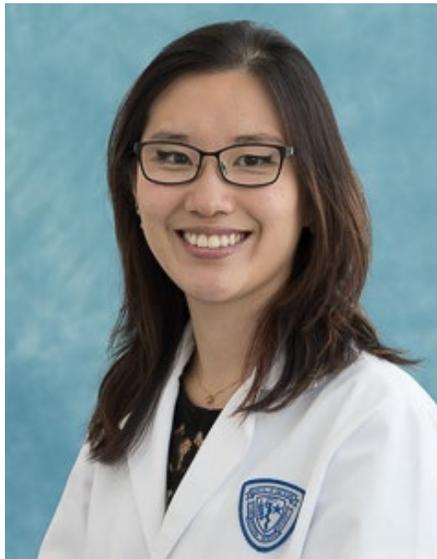
MSTP AD: Agata Exner

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

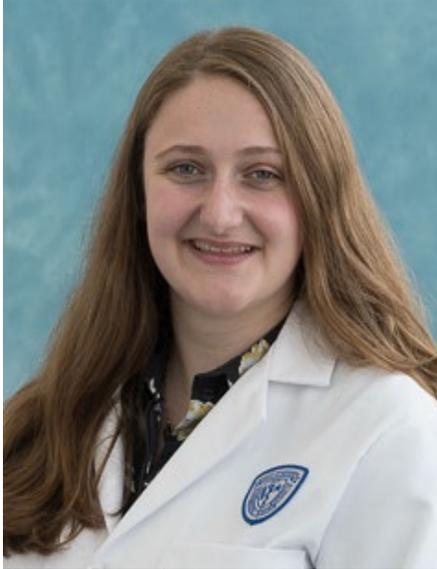
MSTP AD: Arne Rietsch

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: hz24@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: bx424@case.edu

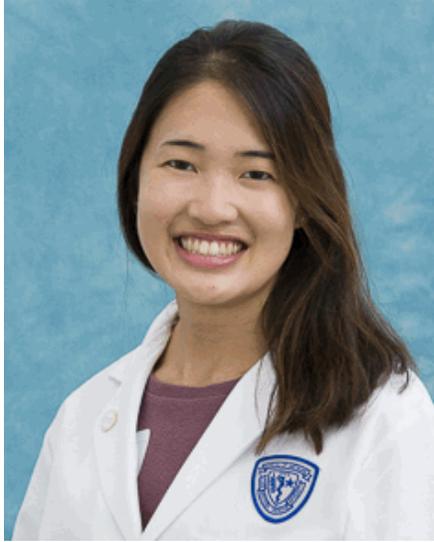
MSTP AD: Heather Broihier

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

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

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

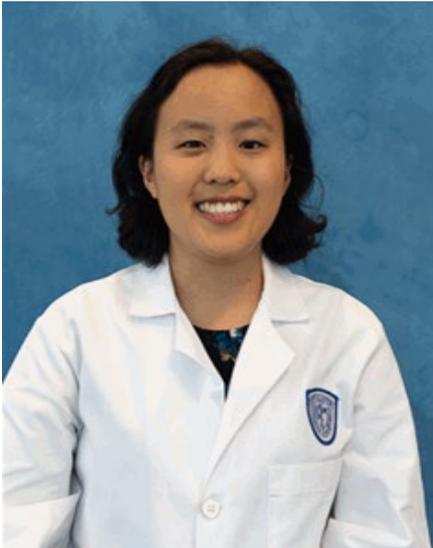
MSTP AD: Agata Exner

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

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

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

MSTP AD: Heather Brohier

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

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

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

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

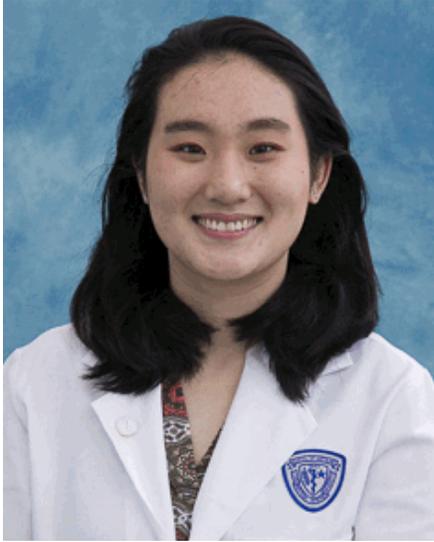
MSTP AD: Arne Rietsch

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

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

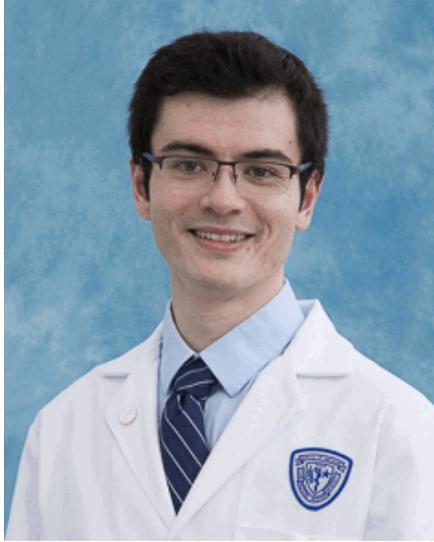
MSTP AD: Andrew Pieper

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

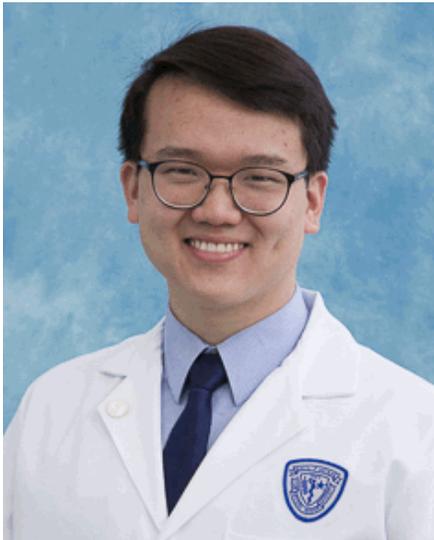
MSTP AD: Chris Flask

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

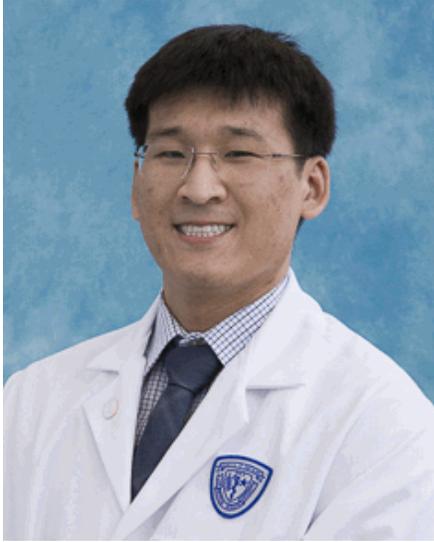
MSTP AD: Heather Broihier

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

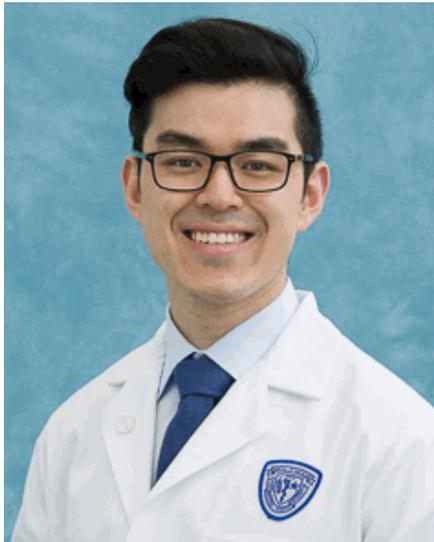
MSTP AD: Agata Exner

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

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

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

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

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

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

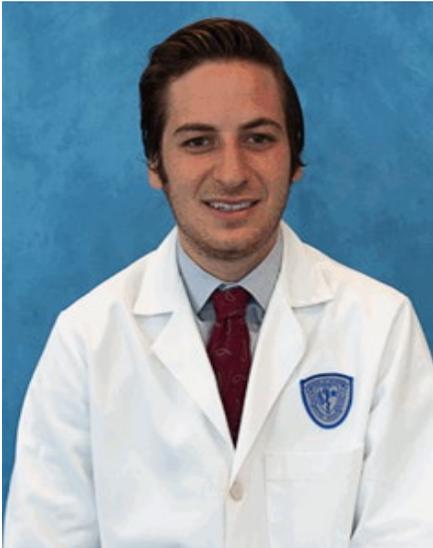
MSTP AD: Chris Flask

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

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

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

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

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

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: af136@case.edu

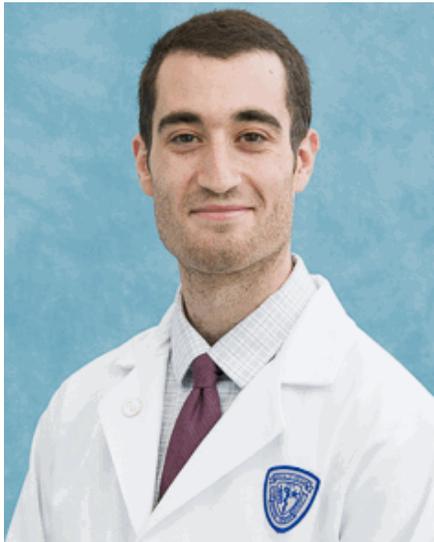
MSTP AD: Heather Broihier

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

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

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: yxs313@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: jjt78@case.edu

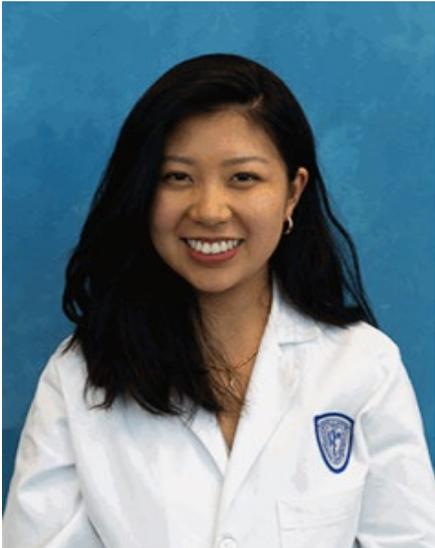
MSTP AD: Chris Flask

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

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

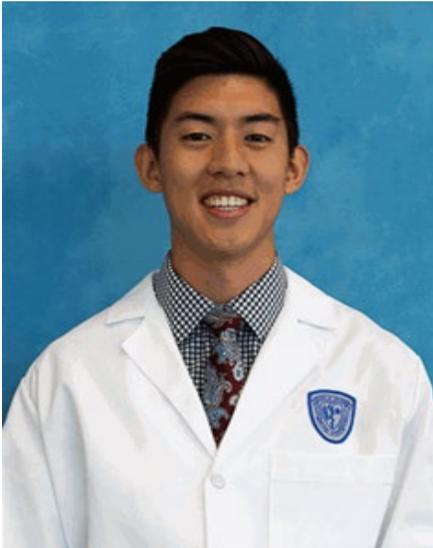
MSTP AD: Agata Exner

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

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

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

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



Yi Fan Chen

MSTP Year: M4

Email: 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

Undergrad: Cornell University



Erin Cohn

MSTP Year: M4

Email: 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

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

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

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

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

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

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

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

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

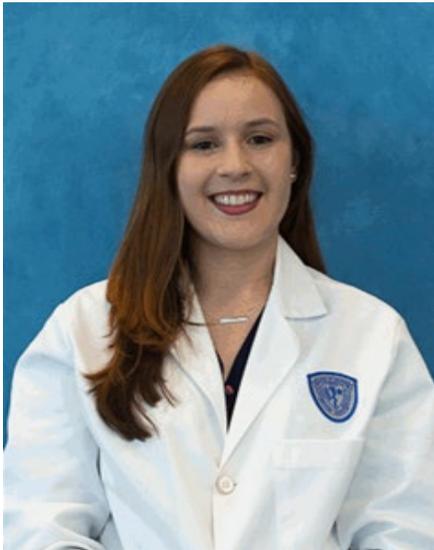
MSTP AD: Agata Exner

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

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

Email: nmv22@case.edu

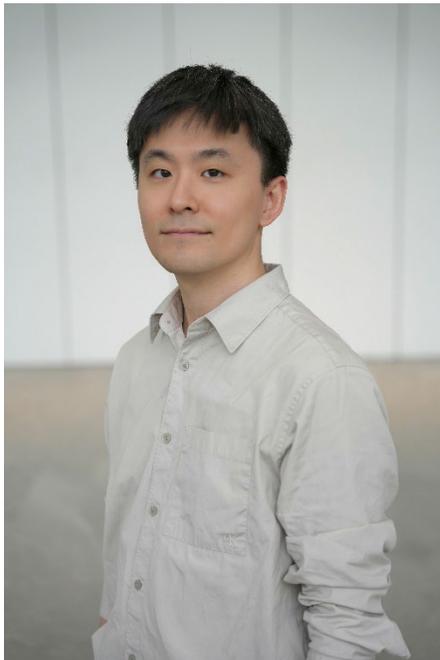
MSTP AD: Arne Rietsch

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

Email: sxy530@case.edu

MSTP AD: Heather Broihier

Mentor: Joseph Luna

PhD Program: Biochemistry

Research Topic: Subcellular and quantitative perspectives of RNA protein interactions

Undergrad: Cooper Union