MSTP Students by Year in Program

**MD 1**
- Lucie Ahn
- Melissa Bonner
- Brendan Boylan
- Yi Fan Chen
- Hannah Dada
- Zachary Grimmett
- Emily Hannon
- Brian Kim
- Erik Koritzinsky
- Alexander Lesser
- Vanessa Salazar
- Josephine Trichka
- William Wulfange

**MD 2**
- Syrena Bracey
- Erin Cohn
- Michaela Cooley
- Anniya Gu
- Ellen Hong
- Olive Jung
- Hannah Kondolf
- Joel Sax
- Jessica Scarborough
- Nicholas Venetos
- Derek Wong
- Soon Yeul Yi

**PhD 1**
- Muta Abiff
- Michelle Cruz
- Marc Ferrell
- Raza Haider
- Michal Jandzinski
- Dan Jindal
- Emma Kundraick
- George Luo
- Jennings Luu
- Morgan McGrath
- Michael McHenry
- William Miller-Little
- Katrina Piemonte
- Otis Pinkard

**PhD 2**
- James Ahad
- Liyan Fan
- Adrian Gomez-Nguyen
- Uriel Kim
- Preethy Sridharan
- Aaron Talsma
- Alicia Vagnozzi
- Sarah Venus
- Xinrui Zhang
- Bowen Zhou

**PhD 3**
- Kevin Allan
- Michael Babinchak
- Brendan Barton
- Elliot Choi
- Ryan Gimple
- Zita Hubler
- Daniel Leonard
- Andrew Morton
- Briana Prager
- Peter Qiao
- Nathaniel Robinson
- Sydney Song
- Susie Suh
- David Sweet
- Yorleny Vicioso

**PhD 4 +**
- Awuri Asuru
- Brian Fort
- Stephen Hung
- Leo Kim
- John Li
- Claire Mazahery
- Kathleen Plona
- Anisha Rastogi
- Avery Sears
- Colin Stomberski
- Gloria Tavera
- Sarah Taylor
- Bryan Webb

**MD 3**
- Christian Anderson
- Bryan Benson
- Anna Borton
- Matthew Elitt
- Michael Glidden
- Alex Gooding
- Kabilar Gunalan
- DaShawn Hickman
- Nelson Hsieh
- Sirui Jiang
- Peter Liao
- Alexandra McMillan
- Abner Murray
- Evelyn Ojo
- Joseph Rathkey
- Nischay Rege
- Joseph Tanenbaum

**MD 4**
- Courtney Bartel
- Steven Chirieleison
- Anna Czapar
- Max Freeberg
- Pamela Marcott
- Zachary Nevin
- Hana Russo
- Ryan Stultz
- Alexander Tong
- Charlie Wang
- Kirkland Wilson
- Danica Wiredja
Lucie Ahn

MSTP Year: MD 1
Email: yeong-ran.ahn@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Duke University

Melissa Bonner

MSTP Year: MD 1
Email: melissa.bonner@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: University of Southern California
Brendan Boylan

MSTP Year: MD 1
Email: brendan.boylan@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: University of Wisconsin-Madison

Yi Fan Chen

MSTP Year: MD 1
Email: yifan.chen9@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Cornell University
Hannah Dada
MSTP Year: MD 1
Email: hannah.dada@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: University of Chicago

Zachary Grimmett
MSTP Year: MD 1
Email: zachary.grimmett@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: University of California-Berkeley
Emily Hannon

MSTP Year: MD 1  
Email: emily.hannon@case.edu  
Mentor: Undecided  
PhD Program: MSTP Year 1  
Research Topic: Undecided  
Undergrad: University of Colorado at Boulder

Brian Kim

MSTP Year: MD 1  
Email: brian.kim3@case.edu  
Mentor: Undecided  
PhD Program: MSTP Year 1  
Research Topic: Undecided  
Undergrad: University of Pennsylvania
Erik Koritzinsky
MSTP Year: MD 1
Email: erik.koritzinsky@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Cornell University

Alexander Lesser
MSTP Year: MD 1
Email: alexander.lesser@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Cornell University
Vanessa Salazar

MSTP Year: MD 1
Email: vanessa.salazar@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Washington University in St Louis

Josephine Trichka

MSTP Year: MD 1
Email: josephine.trichka@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: Middlebury College
William Wulftange

MSTP Year: MD 1
Email: william.wulftange@case.edu
Mentor: Undecided
PhD Program: MSTP Year 1
Research Topic: Undecided
Undergrad: University of Nevada-Reno
Syrena Bracey

MSTP Year: MD 2
Email: syrena.bracey@case.edu
Mentor: Maria Hatzoglou
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: University of Maryland-Baltimore County

Erin Cohn

MSTP Year: MD 2
Email: erin.cohn@case.edu
Mentor: Paul Tesar
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: Wesleyan University
Michaela Cooley
MSTP Year: MD 2
Email: michaela.cooley@case.edu
Mentor: Agata Exner
PhD Program: Biomedical Engineering
Research Topic: Undecided
Undergrad: Case Western Reserve University

Anniya Gu
MSTP Year: MD 2
Email: anniya.gu@case.edu
Mentor: Yan Li
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: Syracuse University
Ellen Hong

MSTP Year: MD 2
Email: ellen.hong@case.edu
Mentor: Peter Scacheri
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: Cornell University

Olive Jung

MSTP Year: MD 2
Email: olive.jung@case.edu
Mentor: Undecided
PhD Program: NIH GPP
Research Topic: Undecided
Undergrad: Northwestern University
Hannah Kondolf
MSTP Year: MD 2
Email: hannah.kondolf@case.edu
Mentor: Derek Abbott
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Cornell University

Joel Sax
MSTP Year: MD 2
Email: joel.sax@case.edu
Mentor: Drew Adams
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: University of California-Berkeley
Jessica Scarborough

MSTP Year: MD 2
Email: jessica.scarborough@case.edu
Mentor: Jacob Scott
PhD Program: Systems Biology & Bioinformatics
Research Topic: Undecided
Undergrad: University of San Francisco

Nicholas Venetos

MSTP Year: MD 2
Email: nicholas.venetos@case.edu
Mentor: Jonathan Stamler
PhD Program: Biochemistry
Research Topic: Undecided
Undergrad: The Ohio State University
Derek Wong

MSTP Year: MD 2  
Email: derek.wong@case.edu  
Mentor: Reshmi Parameswaran  
PhD Program: Pathology/Immunology  
Research Topic: Undecided  
Undergrad: University of Chicago

Soon Yi

MSTP Year: MD 2  
Email: soonyeul.yi@case.edu  
Mentor: Eckhard Jankowsky  
PhD Program: Biochemistry  
Research Topic: Undecided  
Undergrad: Cooper Union
Muta Abiff

MSTP Year: PhD 1
Email: muta.abiff@case.edu
Mentor: Alex Huang
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: SUNY Binghamton

Michelle Cruz

MSTP Year: PhD 1
Email: michelle.cruz@case.edu
Mentor: Anirban Sen Gupta
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Undecided
Undergrad: Rensselaer Polytechnic Inst
Marc Ferrell

MSTP Year: PhD 1
Email: marc.ferrell@case.edu
Mentor: Stanley Hazen
PhD Program: Systems Biology & Bioinformatics
Research Topic: Undecided
Undergrad: University of Florida

Raza Haider

MSTP Year: PhD 1
Email: raza.haider@case.edu
Mentor: Witold Surewicz
PhD Program: Physiology & Biophysics
Research Topic: Undecided
Undergrad: Emory University
Michal Jandzinski
MSTP Year: PhD 1
Email: michal.jandzinski@case.edu
Mentor: Xiaoxia Li
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: University of Connecticut

Dan Jindal
MSTP Year: PhD 1
Email: dan.jindal@case.edu
Mentor: Heather Broihier
PhD Program: Neurosciences
Research Topic: Undecided
Undergrad: Stanford University
Emma Kundracik

MSTP Year: PhD 1
Email: emma.schroder@case.edu
Mentor: Arne Rietsch
PhD Program: Molecular Biology & Microbiology
Research Topic: Effector Secretion Regulation in the Pseudomonas Type III Secretion System
Undergrad: University of Michigan

George Luo

MSTP Year: PhD 1
Email: george.luo@case.edu
Mentor: John Letterio
PhD Program: Pathology/Cancer Biology
Research Topic: Undecided
Undergrad: University of Wisconsin
Jennings Luu

MSTP Year:  PhD 1
Email: jennings.luu@case.edu
Mentor: Yoshikazu Inamishi, Krzysztof Palczewski
PhD Program: Pharmacology
Research Topic: G protein-coupled receptor signaling mediates the severity of light-induced retinal degeneration
Undergrad: University of California - Los Angeles

Morgan McGrath

MSTP Year:  PhD 1
Email: morgan.mcgrath@case.edu
Mentor: Jay Alberts
PhD Program: Clinical Translational Science
Research Topic: Undecided
Undergrad: Miami University-Ohio
Michael McHenry

MSTP Year: PhD 1
Email: michael.l.mchenry@case.edu
Mentor: Catherine Stein
PhD Program: Epidemiology & Biostatistics
Research Topic: Undecided
Undergrad: Emory University

William Miller-Little

MSTP Year: PhD 1
Email: william.miller-little@case.edu
Mentor: Xiaoxia Li
PhD Program: Pathology/Immunology
Research Topic: Undecided
Undergrad: Kenyon College
Katrina Piemonte

MSTP Year: PhD 1
Email: katrina.piemonte@case.edu
Mentor: Ruth Keri
PhD Program: Pharmacology
Research Topic: Undecided
Undergrad: Ithaca College

Otis Pinkard

MSTP Year: PhD 1
Email: otis.pinkard@case.edu
Mentor: Jeffery Coller
PhD Program: Genetics & Genome Sciences
Research Topic: Undecided
Undergrad: University of Cincinnati
James Ahad

MSTP Year: PhD 2
Email: james.ahad@case.edu
Mentor: Nicole Seiberlich
PhD Program: Biomedical Engineering
Research Topic: MR Applications in Heart and Prostate
Undergrad: Washington University in St. Louis

Liyan Fan

MSTP Year: PhD 2
Email: liyan.fan@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
Adrian Gomez-Nguyen

MSTP Year: PhD 2
Email: adrian.gomez-nguyen@case.edu
Mentor: Fabio Cominelli
PhD Program: Pathology/Immunology
Research Topic: Human fecal microbiota transplantation induces behavioral and neuroimmunologic changes in the SAMP/YitFc mouse
Undergrad: University of Chicago

Uriel Kim

MSTP Year: PhD 2
Email: uriel.kim@case.edu
Mentor: Kurt Stange
PhD Program: Clinical Translational Science
Research Topic: A Multilevel, Data-driven Approach to Facilitate Precision Lung Cancer Prevention Interventions
Undergrad: University of Southern California
Preethy Sridharan

MSTP Year: PhD 2
Email: preethy.sridharan@case.edu
Mentor: Andrew Pieper
PhD Program: Neurosciences
Research Topic: Oxidative Stress in TBI
Undergrad: Carnegie-Mellon University

Aaron Talsma

MSTP Year: PhD 2
Email: aaron.talsma@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: PhD 2
Email: alicia.vagnozzi@case.edu
Mentor: Polyxeni Philippidou
PhD Program: Neurosciences
Research Topic: Molecular Mechanisms of Phrenic Motor Neuron Development and Connectivity
Undergrad: Northwestern University

Sarah Venus

MSTP Year: PhD 2
Email: sarah.venus@case.edu
Mentor: Eckhard Jankowsky
PhD Program: Biochemistry
Research Topic: Regulation of Translation Initiation by DEAD-box RNA Helicase DDX3X
Undergrad: University of Cincinnati
Xinrui Zhang

MSTP Year: PhD 2
Email: xinrui.zhang2@case.edu
Mentor: Donny Licatalosi
PhD Program: Biochemistry
Research Topic: RNA-binding proteins as regulators of inflammation
Undergrad: Harvard University

Bowen Zhou

MSTP Year: PhD 2
Email: bowen.zhou3@case.edu
Mentor: Derek Abbott
PhD Program: Pathology/Immunology
Research Topic: Cross-talk in cell death and immunological response in genetic disease
Undergrad: Princeton University
Kevin Allan

MSTP Year: PhD 3
Email: kevin.allan@case.edu
Mentor: Paul Tesar
PhD Program: Genetics & Genome Sciences
Research Topic: Effects of HIF signaling in oligodendrocytes following neonatal hypoxic injury
Undergrad: University of Rochester

Michael Babinchak

MSTP Year: PhD 3
Email: william.babinchak@case.edu
Mentor: Witold Surewicz
PhD Program: Physiology & Biophysics
Research Topic: The Role of Liquid-Liquid Phase Separation in the Aggregation of the Wild Type and Mutant TDP-43 in Neurodegenerative Diseases
Undergrad: University of Miami
Brendan Barton
MSTP Year: PhD 3
Email: brendan.barton@case.edu
Mentor: Stanley Adoro
PhD Program: Pathology/Immunology
Research Topic: Regulation of CD8+ T-cell Antiviral Immunity by the IRE1α-XBP1 ER stress response pathway
Undergrad: University of Rochester

Elliot Choi
MSTP Year: PhD 3
Email: elliot.choi@case.edu
Mentor: Krzysztof Palczewski
PhD Program: Pharmacology
Research Topic: Pathogenesis of dominant retinitis pigmentosa associated with a D477G mutation in RPE65 and CRISPR-Cas9 mediated therapeutic approach
Undergrad: Johns Hopkins University
Ryan Gimple

MSTP Year:  PhD 3  
Email: ryan.gimple@case.edu  
Mentor: Jeremy Rich  
PhD Program: Pathology/Cancer Biology  
Research Topic: Epigenetic regulatory elements converge to regulate lipid metabolism in glioma stem cells  
Undergrad: Duke University

Zita Hubler

MSTP Year:  PhD 3  
Email: zita.hubler@case.edu  
Mentor: Drew Adams  
PhD Program: Genetics & Genome Sciences  
Research Topic: Unifying mechanism for many small molecule enhancers of oligodendrocyte formation  
Undergrad: University of Illinois
Daniel Leonard

MSTP Year: PhD 3
Email: daniel.leonard@case.edu
Mentor: Derek Taylor
PhD Program: Pathology/Cancer Biology
Research Topic: SMAPs enhance tumor suppressive capacity of PP2A through regulation of PP2A-PME interactions
Undergrad: SUNY Albany

Andrew Morton

MSTP Year: PhD 3
Email: andrew.morton@case.edu
Mentor: Peter Scacheri
PhD Program: Genetics & Genome Sciences
Research Topic: Role of enhancers in focal oncogene amplifications
Undergrad: Michigan State University
Briana Prager
MSTP Year: PhD 3
Email: briana.prager@case.edu
Mentor: Jeremy Rich
PhD Program: Pathology/Cancer Biology
Research Topic: Novel neoantigens as immunotherapy targets in glioblastoma
Undergrad: Harvard University

Peter Qiao
MSTP Year: PhD 3
Email: peter.qiao@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
Nathaniel Robinson

MSTP Year: PhD 3  
Email: nathaniel.robinson@case.edu  
Mentor: William Schiemann  
PhD Program: Pathology/Cancer Biology  
Research Topic: Function of SLX4-interacting protein (SLX4IP) in breast cancer  
Undergrad: The Ohio State University

Sydney Song

MSTP Year: PhD 3  
Email: sydney.song@case.edu  
Mentor: Jeffrey Capadona  
PhD Program: Biomedical Engineering  
Research Topic: A multifaceted approach to prolong the functioning lifespan of intracortical recording microelectrodes  
Undergrad: Boston College
Susie Suh

MSTP Year: PhD 3
Email: susie.suh@case.edu
Mentor: Krzysztof Palczewski
PhD Program: Pharmacology
Research Topic: CRISPR/Cas9-Mediated Correction of Abca4 Mutations in a Stargardt Mouse Model
Undergrad: University of California - Berkeley

David Sweet

MSTP Year: PhD 3
Email: david.sweet2@case.edu
Mentor: Mukesh Jain
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Identifying novel regulators of the myeloid response to vascular occlusion
Undergrad: The Ohio State University
Yorleny Vicioso

MSTP Year: PhD 3
Email: yorleny.vicioso@case.edu
Mentor: Reshmi Parameswaran
PhD Program: Pathology/Cancer Biology
Research Topic: A Role for NF-κB c-REL in Regulating NK Cell Anti-Tumor Functions
Undergrad: SUNY Stony Brook
Awuri Asuru

MSTP Year: PhD 4
Email: awuri.asuru@case.edu
Mentor: Mark Chance
PhD Program: Systems Biology & Bioinformatics
Research Topic: Development of Novel X-Ray Protein Footprinting Methods to Study Protein
Undergrad: University of Alabama

Brian Fort

MSTP Year: PhD 4
Email: brian.fort@case.edu
Mentor: Edward Greenfield
PhD Program: Pathology/Immunology
Research Topic: The Inflammatory pathways of aseptic loosening
Undergrad: Case Western Reserve University
Stevephen Hung

MSTP Year: PhD 4
Email: stevephen.hung@case.edu
Mentor: Peter Scacheri
PhD Program: Genetics & Genome Sciences
Research Topic: Investigating the role of small insertions/deletions on the formation of oncogenic enhancers in colorectal cancer
Undergrad: University of Maryland

Leo Kim

MSTP Year: PhD 4
Email: jin.y.kim2@case.edu
Mentor: Jeremy Rich
PhD Program: Pathology/Cancer Biology
Research Topic: Differential expression and regulation of the ACSS gene in Glioblastoma multiforme
Undergrad: Princeton University
John Li

MSTP Year: PhD 5
Email: jiayang.li@case.edu
Mentor: Julian Stelzer
PhD Program: Physiology & Biophysics
Research Topic: Adeno-associated virus 9 gene therapy to restore functioning cMyBPC levels and prevent cardiomyopathy in cMyBPC-/- mice
Undergrad: University of Maryland

Claire Mazahery

MSTP Year: PhD 4
Email: claire.mazahery@case.edu
Mentor: Alan Levine
PhD Program: Pathology/Immunology
Research Topic: Regulation of CD8 T cell activation by opioids
Undergrad: Scripps College
Kathleen Plona

MSTP Year: PhD 5
Email: kathleen.plona@case.edu
Mentor: Mitchell Drumm
PhD Program: Genetics & Genome Sciences
Research Topic: Glycogen Storage Disease 1a : Modeling Genetic Diseases for Therapeutic Development
Undergrad: Ohio University

Anisha Rastogi

MSTP Year: PhD 5
Email: anisha.rastogi@case.edu
Mentor: A. Bolu Ajiboye
PhD Program: Biomedical Engineering
Research Topic: Evaluating Neural Force Modulation and Force-Controlled Intracortical Brain-Computer Interface Operation in Persons with Chronic Paralysis
Undergrad: Washington University in St. Louis
Avery Sears

MSTP Year:  PhD 4
Email: avery.sears@case.edu
Mentor: Krzysztof Palczewski
PhD Program: Pharmacology
Research Topic: The structure and function of Peripherin-2/ROM1 (Per-2/ROM1)
Undergrad: Case Western Reserve University

Colin Stomberski

MSTP Year:  PhD 7
Email: colin.stomberski@case.edu
Mentor: Jonathan Stamler
PhD Program: Biochemistry
Research Topic: Denitrosylases in Mammalian Metabolism
Undergrad: Washington University in St. Louis
Gloria Tavera

MSTP Year: PhD 6
Email: gloria.tavera@case.edu
Mentor: Scott Williams
PhD Program: Clinical Translational Science
Research Topic: Genetic Association Between H. pylori Sequences and Progression to Gastric Adenocarcinoma
Undergrad: University of Florida

Sarah Taylor

MSTP Year: PhD 4
Email: sarah.e.taylor@case.edu
Mentor: Mark Jackson
PhD Program: Pathology/Cancer Biology
Research Topic: Protein Phosphatase 2A Aα-subunit mutations in the pathogenesis of Endometrial Carcinoma
Undergrad: University of Rochester
Bryan Webb

MSTP Year: PhD 4
Email: bryan.webb@case.edu
Mentor: Ruth Keri
PhD Program: Pharmacology
Research Topic: Defining super-enhancer landscapes in TNBC subtypes
Undergrad: Washington University in St. Louis
Christian Anderson

MSTP Year: MD 3  
Email: christian.anderson@case.edu  
Mentor: Christopher Flask  
PhD Program: Biomedical Engineering  
Research Topic: High-Field Magnetic Resonance Fingerprinting for Molecular MRI  
Undergrad: Case Western Reserve University

Bryan Benson

MSTP Year: MD 3  
Email: bryan.l.benson@case.edu  
Mentor: Alex Huang  
PhD Program: Pathology/Molecular and Cellular Basis of Disease  
Research Topic: Mechanobiology of Leukocyte Adhesion  
Undergrad: University of Michigan
Anna Henry Borton

MSTP Year: MD 3
Email: anna.henry@case.edu
Mentor: Diana Ramirez-Bergeron
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Defining the role of Hypoxia and HIFs in Vascular Smooth Muscle Cells
Undergrad: University of Dayton

Matthew Elitt

MSTP Year: MD 3
Email: matthew.elitt@case.edu
Mentor: Paul Tesar
PhD Program: Genetics & Genome Sciences
Research Topic: Disease modeling and therapeutic development for Pelizaeus-Merzbacher disease
Undergrad: Washington University in St. Louis
Michael Glidden

MSTP Year: MD 3
Email: michael.glidden@case.edu
Mentor: Michael Weiss
PhD Program: Physiology & Biophysics
Research Topic: Single-chain insulin analogs as ultra-stable therapeutics and as models of protein (mis)folding: stability, structure, dynamics, and function of novel analogs
Undergrad: University of South Florida

Alex Gooding

MSTP Year: MD 3
Email: alex.gooding@case.edu
Mentor: William Schiemann
PhD Program: Pathology/Cancer Biology
Research Topic: Characterizing a role for the IncRNA BORG during breast cancer progression and metastasis
Undergrad: University of Wisconsin
Kabilar Gunalan

MSTP Year: MD 3
Email: kabilar.gunalan@case.edu
Mentor: Cameron McIntyre
PhD Program: Biomedical Engineering
Research Topic: Theoretical predictions of axonal pathways activated by subthalamic deep brain stimulation
Undergrad: Johns Hopkins University

DaShawn Hickman

MSTP Year: MD 3
Email: dashawn.hickman@case.edu
Mentor: Anirban Sen Gupta
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Platelet-inspired Nanomedicine for the Hemostatic Management of Bleeding Complications in Thrombocytopenia and Trauma
Undergrad: Yale University
Nelson Hsieh

MSTP Year: MD 3
Email: paishiun.hsieh@case.edu
Mentor: Mukesh Jain
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: The Kruppel-like factors in aging and aging-associated pathology
Undergrad: University of Pittsburgh

Sirui Jiang

MSTP Year: MD 3
Email: sirui.jiang@case.edu
Mentor: Xiongwei Zhu
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Role of mitochondrial dynamics in Alzheimer's Disease
Undergrad: Washington University in St. Louis
Peter Liao

MSTP Year: MD 3
Email: peter.l.liao@case.edu
Mentor: Jill Barnholtz-Sloan
PhD Program: Systems Biology & Bioinformatics
Research Topic: Bioinformatics approaches to cancer biomarker discovery and characterization
Undergrad: University of California - San Diego

Alexandra McMillan

MSTP Year: MD 3
Email: alexandra.mcmillan@case.edu
Mentor: Eben Alsberg
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Spatiotemporally controlled presentation of genetic material to stem cells for cartilage and bone tissue engineering
Undergrad: Johns Hopkins University
Abner Murray

MSTP Year: MD 3  
Email: abner.murray@case.edu  
Mentor: Nicole Steinmetz  
PhD Program: Molecular Virology  
Research Topic: Plant Virus Nanoparticle in situ Cancer Immunotherapies  
Undergrad: Florida International University

Evelyn Ojo

MSTP Year: MD 3  
Email: evelyn.ojo2@case.edu  
Mentor: David Wald  
PhD Program: Pathology/Cancer Biology  
Research Topic: Understanding the mechanisms that modulate the cytotoxicity of NK cells  
Undergrad: University of Maryland-Baltimore County
Joseph Rathkey

MSTP Year: MD 3
Email: joseph.rathkey@case.edu
Mentor: Derek Abbott
PhD Program: Pathology/Immunology
Research Topic: Gasdermin D as the effector of pyroptotic cell death
Undergrad: Seattle Pacific University

Nischay Rege

MSTP Year: MD 3
Email: nischay.rege@case.edu
Mentor: Michael Weiss
PhD Program: Biochemistry
Research Topic: The Un-Design and Design of Insulin: Examination of the Structural Evolution of a Globular Protein and Application to the Design of Therapeutic Analogs
Undergrad: Cornell University
Joseph Tanenbaum

MSTP Year: MD 3
Email: joseph.tanenbaum@case.edu
Mentor: Randall Cebul
PhD Program: Epidemiology & Biostatistics
Research Topic: The Association of Health Care Delivery and Payment Innovations with Avoidable Hospitalizations
Undergrad: Dartmouth College
Courtney Bartel

MSTP Year: MD 4  
Email: courtney.bartel@case.edu  
Mentor: Mark Jackson  
PhD Program: Pathology/Cancer Biology  
Research Topic: Novel roles for FAM83 oncogenes in breast cancer  
Undergrad: Vanderbilt University

Steven Chirieleison

MSTP Year: MD 4  
Email: steven.chirieleison@case.edu  
Mentor: Derek Abbott  
PhD Program: Pathology/Immunology  
Research Topic: XIAP-mediated innate immune signaling in inflammatory bowel disease  
Undergrad: University of Pennsylvania
Anna Czapar

MSTP Year: MD 4
Email: anna.czapar@case.edu
Mentor: Nicole Steinmetz
PhD Program: Pathology/Molecular and Cellular Basis of Disease
Research Topic: Virus-Based Nanoparticles for Cancer Drug Delivery
Undergrad: University of Illinois

Max Freeberg

MSTP Year: MD 4
Email: max.freeberg@case.edu
Mentor: Ronald Triolo
PhD Program: Biomedical Engineering
Research Topic: Anatomically-Versatile Peripheral Nerve Electrodes Preserve Nerve Health, Recruit Selectively, and Stabilize Quickly
Undergrad: Princeton University
Pamela Marcott

MSTP Year: MD 4  
Email: pamela.marcott@case.edu  
Mentor: Christopher Ford  
PhD Program: Physiology & Biophysics  
Research Topic: Mechanisms of dopamine D2-receptor activation across the striatum  
Undergrad: Wake Forest University

Zachary Nevin

MSTP Year: MD 4  
Email: zachary.nevin@case.edu  
Mentor: Paul Tesar  
PhD Program: Genetics & Genome Sciences  
Research Topic: Modeling Genetic Diseases of Myelin Using Patient-Derived Induced Pluripotent Stem Cells  
Undergrad: Stanford University
Hana Russo

MSTP Year: MD 4
Email: hana.russo@case.edu
Mentor: George Dubyak
PhD Program: Pathology/Immunology
Research Topic: Mechanism of pyroptosis: a caspase-1 mediated inflammatory cell death pathway
Undergrad: University of Michigan

Ryan Stultz

MSTP Year: MD 4
Email: ryan.stultz@case.edu
Mentor: David McDonald
PhD Program: Molecular Virology
Research Topic: Visualization of the Intracellular HIV-1 Replication Cycle
Undergrad: University of Iowa
Alex Tong
MSTP Year: MD 4
Email: alexander.tong@case.edu
Mentor: Alex Huang
PhD Program: Pathology/Immunology
Research Topic: Lymphocyte trafficking, homing and function: insights into the in vivo behavior of regulatory T and natural killer cells
Undergrad: Rhodes College

Charlie Wang
MSTP Year: MD 4
Email: charlie.wang@case.edu
Mentor: Xin Yu
PhD Program: Biomedical Engineering
Undergrad: Case Western Reserve University
Kirkland Wilson

MSTP Year: MD 4
Email: kirkland.wilson@case.edu
Mentor: Henri Brunengraber
PhD Program: Nutritional Sciences
Research Topic: Interrelations between 3-hydroxypropionate, propionate, and B-alanine Metabolism: Relevance to Propionic Acidemia
Undergrad: North Carolina Central University

---

Danica Wiredja

MSTP Year: MD 4
Email: danica.wiredja@case.edu
Mentor: Mark Chance and Goutham Narla
PhD Program: Systems Biology & Bioinformatics
Research Topic: Phosphoproteomic Characterization of Systems-Wide Differential Signaling Induced by Small Molecule PP2A Activation
Undergrad: University of California - Los Angeles