MSTP Students

Students by Class		Undergrad	PhD Program	Research topic
M1				
Bracey	Syrena	University of Maryland-	Undecided	Undecided
Cohn	Erin	Wesleyan University	Undecided	Undecided
Cooley	Michaela	Case Western Reserve	Undecided	Undecided
Gu	Anniya	Syracuse University	Undecided	Undecided
Hong	Ellen	Cornell University	Undecided	Undecided
Jung	Olive	Northwestern University	Undecided	Undecided
Kondolf	Hannah	Cornell University	Undecided	Undecided
Sax	Joel	University of California-	Undecided	Undecided
Scarborough	Jessica	University of San Francisco	Undecided	Undecided
Venetos	Nicholas	The Ohio State University	Undecided	Undecided
Wong	Derek	University of Chicago	Undecided	Undecided
Yi	Soon Yeul	Cooper Union	Undecided	Undecided
M2				
Abiff	Muta	SUNY Binghamton	Pathology/ Immunology	Undecided
Cruz	Michelle	Rensselaer Polytechnic Inst	Pathology/ Molecular and	Undecided
Ferrell	Marc	University of Florida	Systems Biology &	Undecided
Haider	Raza	Emory University	Physiology & Biophysics	Undecided
Jandzinski	Michal	University of Connecticut	Pathology/ Immunology	Undecided
Jindal	Dan	Stanford University	Neurosciences	Undecided
Luo	George	University of Wisconsin	Pathology/ Cancer Biology	Undecided
Luu	Jennings	University of California - Los	Pharmacology	G protein-coupled receptor signaling mediates
McGrath	Morgan	Miami University-Ohio	Clinical Translational	Undecided
McHenry	Michael	Emory University	Epidemiology &	Undecided
Miller-Little	William	Kenyon College	Pathology/ Immunology	Undecided
Piemonte	Katrina	Ithaca College	Pharmacology	Undecided
Pinkard	Otis	University of Cincinnati	Genetics & Genome	Undecided
Schroder	Emma	University of Michigan	Molecular Biology &	Regulation of the Pseudomonas Type III
G1				
Ahad	James	Washington University in St.	Biomedical Engineering	MR Applications in Heart and Prostate
Fan	Liyan	University of Pittsburgh	Pathology/ Molecular and	Role of the zinc-finger transcription factor
Gomez-Nguyen	Adrian	University of Chicago	Pathology/ Immunology	Human fecal microbiota transplantation induces
Hanson	Gavin	University of Kansas	Biochemistry	Advanced modeling approaches for predicting
Kim	Uriel	University of Southern	Clinical Translational	A Multilevel, Data-driven Approach to Facilitate
Sridharan	Preethy	Carnegie-Mellon University	Neurosciences	Microgliosis in Parkinson's Disease
Talsma	Aaron	University of Michigan	Neurosciences	Role of immune cells in the regeneration of peripheral nerves after injury
Vagnozzi	Alicia	Northwestern University	Neurosciences	Molecular Mechanisms of Phrenic Motor Neuron Development and Connectivity
Venus	Sarah	University of Cincinnati	Biochemistry	Mechanisms of the DEAD-box RNA helicase DDX3X during translation initiation
Wat	Jeanette	Rice University	Pathology/ Molecular and Cellular Basis of Disease	Differential contributions of hepatocytes versus Kupffer cells in the development of alcoholic liver disease
Zhang	Xinrui	Harvard University	Biochemistry	RNA-binding proteins as regulators of inflammation
Zhou	Bowen	Princeton University	Pathology/ Immunology	Cross-talk in cell death and immunological response in genetic disease
G2				
Allan	Kevin	University of Rochester	Genetics & Genome Sciences	Effects of HIF signaling in oligodendrocytes following neonatal hypoxic injury
Babinchak	Michael	University of Miami	Physiology & Biophysics	The Role of Liquid-Liquid Phase Separation in the Aggregation of the Wild Type and Mutant TDP-43 in Neurodegenerative Diseases
Barton	Brendan	University of Rochester	Pathology/ Immunology	Mechanisms of T cell activation by Viral-Like Nanoparticles in Glioblastoma
Choi	Elliot	Johns Hopkins University	Pharmacology	Retinal Pigment Epithelium-specific protein (RPE65) gene in Leber Congenital Amaurosis (LCA)
Gimple	Ryan	Duke University	Pathology/ Cancer Biology	Epigenetic regulatory elements converge to regulate lipid metabolism in glioma stem cells
Hubler	Zita	University of Illinois	Genetics & Genome Sciences	The Role of Sterols in enhanced Oligodendrocyte formation

Leonard	Daniel	SUNY Albany	Pathology/ Cancer Biology	SMAPs enhance tumor suppressive capacity of PP2A through regulation of PP2A-PME interactions
Morton	Andrew	Michigan State University	Genetics & Genome Sciences	Role of enhancers in chromosomal rearrangements
Prager	Briana	Harvard University	Pathology/ Cancer Biology	Leveraging the epigenetic landscape to identify novel targets in meningioma
Qiao	Peter	University of Pennsylvania	Biomedical Engineering	Development of a Extradomain-B Fibronectin Targeted MRI Contrast Agent for Pancreatic Cancer Detection
Robinson	Nathaniel	The Ohio State University	Pathology/ Cancer Biology	Function of SLX4-interacting protein (SLX4IP) in breast cancer
Song	Sydney	Boston College	Biomedical Engineering	A multifaceted approach to prolong the functioning lifespan of intracortical recording microelectrodes
Suh	Susie	University of California - Berkeley	Pharmacology	CRISPR/Cas9-Mediated Correction of Abca4 Mutations in a Stargardt Mouse Model
Sweet	David	The Ohio State University	Pathology/ Molecular and Cellular Basis of Disease	Identifying novel regulators of the myeloid response to vascular occlusion
Vicioso	Yorleny	SUNY Stony Brook	Pathology/ Cancer Biology	A Role for NF-Kβ c-REL in Regulating NK Cell Anti-Tumor Functions
G3				
Asuru	Awuri	University of Alabama	Systems Biology & Bioinformatics	Development of Novel X-Ray Protein Footprinting Methods to Study Protein Structure in Complex Biological Systems
Cheng-Hathaway	Paul	University of California - Berkeley	Neurosciences	Mechanisms of TREM2 variant-mediated myeloid cell dysfunction in neurodegenerative disease pathogenesis
Fort	Brian	Case Western Reserve University	Pathology/ Immunology	The Inflammatory pathways of aseptic loosening
Hung	Stevephen	University of Maryland	Genetics & Genome Sciences	Investigating the role of small insertions/deletions on the formation of oncogenic enhancers in colorectal cancer
Kim	Leo	Princeton University	Pathology/ Cancer Biology	Differential expression and regulation of the ACSS gene in Glioblastoma multiforme
Mazahery	Claire	Scripps College	Pathology/ Immunology	Regulation of CD8 T cell activation by opioids
Rathkey	Joseph	Seattle Pacific University	Pathology/ Immunology	Cytosolic mediated inflammatory response
Sears	Avery	Case Western Reserve University	Pharmacology	The structure and function of interphotoreceptor retinoid binding protein (IRBP)
Tanenbaum	Joseph	Dartmouth College	Epidemiology & Biostatistics	The Association of Health Care Delivery and Payment Innovations with Avoidable Cardiovascular Hospitalizations
Taylor	Sarah	University of Rochester	Pathology/ Cancer Biology	Protein Phosphatase 2A Aα-subunit mutations in the pathogenesis of Endometrial Carcinoma
Webb	Bryan	Washington University in St. Louis	Pharmacology	Defining super-enhancer landscapes in TNBC subtypes
G4-5				
Alt	Daniel	Case Western Reserve University	Biomedical Engineering	Cellular aggregate co-cultures for microvascularized tissue engineering
Anderson	Christian	Case Western Reserve University	Biomedical Engineering	Development of Dual Contrast - Magnetic Resonance Fingerprinting (MRF) for Quantification of MRI Contrast Agents
Benson	Bryan	University of Michigan	Pathology/ Molecular and Cellular Basis of Disease	Using microfluidics to dissect leukocyte intravascular crawling
Borton	Anna	University of Dayton	Pathology/ Molecular and Cellular Basis of Disease	Hypoxic regulation of peripheral vascular smooth muscle cells through hypoxia inducible factors
Elitt	Matthew	Washington University in St. Louis	Genetics & Genome Sciences	Novel therapeutics for genetic disorders of myelin
Glidden	Michael	University of South Florida	Physiology & Biophysics	Single-chain insulin analogs as ultra-stable therapeutics and as models of protein (mis)folding: stability, structure, dynamics, and function of novel analogs

Gooding	Alex	University of Wisconsin	Pathology/ Cancer Biology	BORG: Role for a Novel lncRNA in Mediating Breast Cancer Metastasis and Dormancy
Gunalan	Kabilar	Johns Hopkins University	Biomedical Engineering	Theoretical predictions of axonal pathways activated by subthalamic deep brain stimulation
Hickman	DaShawn	Yale University	Pathology/ Molecular and Cellular Basis of Disease	Synthetic Platelet Nanotechnology in Prophylactic and Emergent Treatment of Bleeding and Targeted Delivery of Hemostatic Agents using a Synthetic Platelet Platform in Trauma
Hsieh	Nelson	University of Pittsburgh	Pathology/ Molecular and Cellular Basis of Disease	The Kruppel-like factors in aging and aging-associated pathology
Jiang	Sirui	Washington University in St. Louis	Pathology/ Molecular and Cellular Basis of Disease	Role of mitochondrial dynamics in Alzheimer's Disease
Li	Jiayang	University of Maryland	Physiology & Biophysics	Adeno-associated virus 9 gene therapy to restore functioning cMyBPC levels and prevent cardiomyopathy in cMyBPC-/- mice
Liao	Peter	University of California - San Diego	Systems Biology & Bioinformatics	Characterization of cancer using bioinformatics tools
McMillan	Alexandra	Johns Hopkins University	Pathology/ Molecular and Cellular Basis of Disease	Spatiotemporally controlled presentation of genetic material to stem cells for cartilage and bone tissue engineering
Murray	Abner	Florida International University	Molecular Virology	Plant virus-based cancer immunotherapy
Ojo	Evelyn	University of Maryland-Baltimore County	Pathology/ Cancer Biology	Understanding the mechanisms that modulate the cytotoxicity of NK cells
Plona	Kathleen	Ohio University	Genetics & Genome Sciences	Glycogen Storage Disease 1a : Modeling Genetic Diseases for Therapeutic Development
Rastogi	Anisha	Washington University in St. Louis	Biomedical Engineering	Evaluating Neural Force Modulation and Force-Controlled Intracortical Brain-Computer Interface Operation in Persons with Chronic Paralysis
Rege	Nischay	Cornell University	Biochemistry	The Un-Design and Design of Insulin Analogs
Stomberski	Colin	Washington University in St. Louis	Biochemistry	Denitrosylases in Mammalian Metabolism
Tavera	Gloria	University of Florida	Clinical Translational Science	Genetic Association Between H. pylori Sequences and Progression to Gastric Adenocarcinoma
M3				
Bartel	Courtney	Vanderbilt University	Pathology/ Cancer Biology	Novel roles for FAM83 oncogenes in breast cancer
Chirieleison	Steven	University of Pennsylvania	Pathology/ Immunology	XIAP-mediated innate immune signaling in inflammatory bowel disease
Czapar	Anna	University of Illinois	Pathology/ Molecular and Cellular Basis of Disease	Virus-Based Nanoparticles for Cancer Drug Delivery
Freeberg	Max	Princeton University	Biomedical Engineering	Improved standing rehabilitation with a neuroprosthesis employing anatomically versatile nerve-based electrodes
Marcott	Pamela	Wake Forest University	Physiology & Biophysics	Mechanisms of dopamine D2-receptor activation across the striatum
Nevin	Zachary	Stanford University	Genetics & Genome Sciences	Modeling Genetic Diseases of Myelin Using Patient-Derived Induced Pluripotent Stem Cells
Russo	Hana	University of Michigan	Pathology/ Immunology	Mechanism of pyroptosis: a caspase-1 mediated inflammatory cell death pathway
Stultz	Ryan	University of Iowa	Molecular Virology	Visualization of the Intracellular HIV-1 Replication Cycle
Tong	Alexander	Rhodes College	Pathology/ Immunology	Lymphocyte trafficking, homing and function: insights into the in vivo behavior of regulatory T and natural killer cells
Wang	Charlie	Case Western Reserve University	Biomedical Engineering	High Energy Phosphate Metabolism Measurement by Phosphorus-31 Magnetic Resonance Fingerprinting
Wilson	Kirkland	North Carolina Central University	Nutritional Sciences	Interrelations between 3-hydroxypropionate, propionate, and B-alanine Metabolism: Relevance to Propionic Acidemia

Wiredja	Danica	University of California - Los Angeles	Systems Biology & Bioinformatics	Phosphoproteomic Characterization of Systems-Wide Differential Signaling Induced by Small Molecule PP2A Activation
M4				
Clark	Heather	Rochester Institute of Technology	Pathology/ Immunology	Neutrophils, Nutritional Immunity and NETS: Host-Pathogen Interactions in Aspergillus fumigatus infection
Cohen	Andrea	Pomona College	Genetics & Genome Sciences	Characterization of Altered Enhancer Usage Across the Human Colorectal Cancer Epigenome
Dorand	Dixon	University of Alabama	Pathology/ Immunology	Defining the Role of Immune Therapy in Pediatric CNS Malignancy
Ignatz-Hoover	James	University of Michigan	Pathology/ Cancer Biology	Nuclear GSK3β Promotes More Aggressive, Drug-Resistant Acute Myeloid Leukemia
Miller	Tyler	The Ohio State University	Pathology/ Cancer Biology	Identifying Novel in vivo Epigenetic Dependencies in Glioblastoma
Morrow	James	Pennsylvania State University	Pathology/ Cancer Biology	New Insights into the Molecular Etiology of Tumor Metastasis
Tee	Michael	Portland State University	NIH GPP	Image analysis of cardiac computed tomography towards regional functional analysis
Whitney	Meredith	Saint Olaf College	Neurosciences	Novel Targeting of Adult Brain Serotonin Reveals New Roles in Behavior