

University of Rochester MSTP Graduates (2013-2023)

| Trainee                 | Degree Program                                 | Thesis Title  | Grad Year | Residency  | Current Position  |
|-------------------------|--|---|-----------|--|---|
| Annette French          | Brain & Cognitive Sciences                     | Perceptual Processes Underlying Depth Judgement of Moving Object During Self-Motion   | 2023      | Psychiatry (Research Track) - UNC Chapel Hill  |   |
| Aditi Misra             | Biomedical Engineering                         | Transcriptomic Analysis of Neonatal Cardiac Regeneration and Scar Resolution  | 2023      | Internal Medicine (Research Track) - Baylor College of Medicine, Houston                 |   |
| Keshia Mora             | Biomedical Engineering                         | Multiaxial and multiscale strain assessment of the impinged Achilles tendon insertion   | 2023      | Pathology - University of Pennsylvania   |   |
| Jerry Saunders          | Pathology (Cell Biology of Disease)            | A novel combination therapy enhances recovery following radiation exposure  | 2023      | Pathology - Icahn School of Medicine at Mount Sinai                                      |   |
| Arun Venkataraman       | Physics  | How fast can we go? Optimizing Diffusion MRI (dMRI) Acquisition   | 2023      | Radiology - University of Pennsylvania (prelim. year at SUNY Upstate)                    |   |
| Jesse Wang              | Translational Biomedical Science               | A Patient-Centered Digital Scribe   | 2023      | Internal Medicine - University of Pittsburgh Medical Center                              |   |
| Brendan Whitelaw        | Neuroscience                                   | Mechanisms of ATP-dependent microglial process motility   | 2023      | Neurology - Washington University, St. Louis   |   |
| Jonathan Bartko         | Pathology (Cell Biology of Disease)            | Characterizing Context-Specific Roles for CHOP in ER Stress Signaling and Neurodevelopment  | 2022      | Vascular Surgery - Case Western/Univ Hsp Cleveland Med-OH                                |   |
| Michael-John Beltejar   | Biomedical Genetics                            | Understanding the Genetic Basis for Bone-Matrix Quality   | 2022      | Emergency Medicine - University of Rochester/Strong Memorial Hospital/Strong Memorial-NY |   |
| Booyeon Han             | Immuology, Microbiology & Virology             | Characterizing and Targeting the Pancreatic Tumor Draining Lymph Node to Enhance Antitumor Responses in Pancreatic Ductal Adenocarcinoma              | 2022      | Surgery-General, Stanford Health Care-CA   |   |
| Laura Owlett            | Neuroscience                                   | Modulation of acute inflammation and Alzheimer's disease pathology by Gas6-Axl interaction  | 2022      | Child Neurology - University of Rochester/Strong Memorial Hospital                       |   |
| Rohith Palli            | Biophysics, Structural & Computational Biology | Executable models of signaling pathways and application to HIV  | 2022      | Internal Medicine - University of Rochester/Strong Memorial Hospital                     |   |
| Elizabeth Saionz        | Translational Biomedical Science               | Time is Vision: Properties of Vision Early after Occipital Stroke and Capacity for Recovery   | 2022      | Neurology - Mayo Clinic School of Grad Med Educ-FL                                       |   |
| Colleen Schneider       | Brain & Cognitive Sciences                     | The post-stroke brain: A comprehensive, longitudinal assessment of vascular, neural, and perceptual changes   | 2022      | Peds-Physical Med & Rehab - University of Colorado School of Medicine                    |   |
| Matther Tanner          | Biomedical Genetics                            | mRNA splicing is a marker of molecular pathology and response to therapeutics in myotonic muscular dystrophy  | 2022      | Internal Medicine - University of Washington Affil Hospitals                             |   |
| Dawling Dionisio-Santos | Neuroscience                                   | Ameliorating Alzheimer's Disease tau pathology through immunomodulation: A novel role for interleukin 4 and glatiramer acetate                        | 2021      | Neurology - University of Rochester/Strong Memorial Hospital/Strong Memorial-NY          |   |
| Scott Friedland         | Biomedical Genetics                            | Arid1a, a subunit of the SWI/SNG chromatin remodeling complex, is a barrier to KrasG12D-driven tumorigenesis  | 2021      | Internal Medicine/Research - Ohio State University Med Ctr                               |   |
| Allison Li              | Pathology (Cell Biology of Disease)            | Regulation of hematopoiesis in the bone marrow microenvironment   | 2021      | Internal Medicine - Yale-New Haven Hosp-CT   |   |
| Hayley Martin           | Epidemiology                                   | Assessing the impact of Group Prenatal Care on Breastfeeding Behavior and Motivation  | 2021      | Pediatrics - Childrens Hospital of Philadelphia  |   |
| Andrew Smith            | Immuology, Microbiology & Virology             | Role of a polymerase defect in function of the live attenuated influenza A virus  | 2021      | Emergency Medicine - University of Rochester/Strong Memorial Hospital/Strong Memorial-NY |   |
| Emily Wu                | Immuology, Microbiology & Virology             | The Role of TNF- $\alpha$ in the Genesis of Inflammatory Interstitial Lung Disease in Rheumatoid Arthritis  | 2021      | Internal Medicine - St Joseph Mercy-Ann Arbor-MI   |   |
| Andrew Allbee           | Biomedical Genetics                            | Lmx1a is required for Drosophila ovary stem cell niche formation and organogenesis  | 2020      | Pathology-Anatomic and Clinical - Hospital of the University of Pennsylvania             |   |
| Nicolas Goldstein       | Health Services Research                       | Disproportionate Premature Birth in Women of Low Socioeconomic Status: A Psychological and Physiological Stress Explanation of Financial Risk Removal | 2020      | Pediatrics - Childrens Hospital of Philadelphia (CHOP)                                   | Fellow - Children's Hospital of Philadelphia (CHOP)                                     |
| Adnan Hirad             | Translational Biomedical Science               | Midbrain Axonal Injury is the Signature Neurotrauma of Subconcussion and Concussion   | 2020      | N/A  | Research Assistant Professor, Vascular Surgery - University of Rochester Medical Center |
| Maxime Jean             | Immuology, Microbiology & Virology             | The Dichotomy of Curaxin Compounds in HIV-1 Latency   | 2020      | Neurology - University of Rochester/Strong Memorial Hospital/Strong Memorial             |   |

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| Irina Lerman          | Cell Biology of Disease (Pathology) | Neutrophil Elastase and SERPINB1 are Critical Regulators of Prostate Cancer Progression  | 2020      | Dermatology; Internal Medicine - University of Rochester/Strong Memorial Hospital/Strong Memorial  |  |
| Aimee Morris          | Neurobiology & Anatomy              | Functional Brain Network Structure in Focal Embouchure Dystonia and Related Disorders  | 2020      | Child Neurology - St Louis Childrens Hosp  |  |
| Daniel Savage         | Optics                              | A Novel Non-Ablative Technique for Femtosecond Laser-Based Refractive Correction   | 2020      | Ophthalmology - University of Rochester Flaum Eye Institute / Internal Medicine - University of Rochester/Strong Memorial Hospital Strong Memorial |  |
| Stephanie Syc-Mazurek | Neuroscience                        | The Molecular signaling pathways controlling apoptotic retinal ganglion cell death after axonal injury                                     | 2020      | Neurology - Mayo Clinic School of Grad Med Educ  |  |
| Jomy Varghese         | Biomedical Engineering              | Salivary Gland Radiation Protection  | 2020      | Anesthesiology - University of Michigan Hosps-Ann Arbor  |  |
| Jimmy Zhang           | Pharmacology & Physiology           | Mitochondrial Metabolism in Cardiac Ischemia-Reperfusion Injury  | 2020      | Internal Medicine - Icahn School of Medicine at Mount Sinai  | Fellow - Mount Sinai Hospital  |
| William Alexander     | Biomedical Genetics                 | Oncogenic mutations and injury in the mouse liver  | 2019      | Internal Medicine – University at Buffalo School of Medicine   | Fellow, Hospice and Palliative Medicine - University at Buffalo  |
| Katherine Herman      | Immuology, Microbiology & Virology  | Spontaneous Immune Dysregulation in the Skin in the Absence of Wiskott-Aldrich Syndrome Protein  | 2019      | Pediatrics – Boston Children’s Hospital  | Fellow, Dept of Medicine, Allergy Immunology and Rheumatology - University of Rochester Medical Center |
| Justin Komisarof      | Biomedical Genetics                 | Patterns in dysregulated, non-mutated cancer mediator gene expression  | 2019      | Internal Medicine – University of Rochester/Strong Memorial Hospital   | Instructor, Medicine - Highland Hospital, Rochester, NY  |
| Nguyen Mai            | Neuroscience                        | Lung-brain immunological coupling mediates neutrophil de-priming and neuroprotection following cerebral ischemia-reperfusion               | 2019      | Neurology Residency – University of California, San Francisco (prelim year at University of Rochester/Strong Memorial Hospital)                    |  |
| Evan McConnell        | Neuroscience                        | The role of astrocytes in noradrenaline mediated attenuation of motor tics   | 2019      | Radiology-Diagnostic Residency – University of Rochester/Strong Memorial (prelim year at Rochester Regional Health)                                |  |
| Salvador Pena         | Cell Biology of Disease (Pathology) | Hypoxia and the Mitochondrial Unfolded Protein Response  | 2019      | Anesthesiology – Wake Forest Baptist Medical Center  |  |
| Benjamin Plog         | Cell Biology of Disease (Pathology) | Novel Insight into Regulation of Glymphatic Flow with Implications for Traumatic Brain Injury  | 2019      | Neurological Surgery – Barnes-Jewish Hospital  |  |
| Samuel Carrell        | Biomedical Genetics                 | Testing the limits of antisense oligonucleotide treatment for myotonic dystrophy Type 1  | 2018      | Neurology – Hospital of the University of PA   |  |
| Amit Chowdhry         | Statistics                          | Missing data in Meta-Analysis  | 2018      | Radiation Oncology – Univ. Rochester/Strong Memorial Hospital (prelim year at SUNY Upstate Medical Univ.)  | Assistant Professor, Radiation and Oncology - University of Rochester Medical Center                   |
| Andrew Cox            | Immuology, Microbiology & Virology  | Increasing the safety of the Live Attenuated Influenza Virus Vaccine   | 2018      | Pediatrics – Cincinnati Children’s Hospital  | Clinical Fellow Pediatrics – Cincinnati Children’s Hospital MC-OH                                      |
| Alison Moynihan       | Immuology, Microbiology & Virology  | Mechanisms of CD4+ T cell motility in the inflamed dermal interstitium   | 2018      | Dermatology, Research Track – UPMC Medical Education – PA  | Assistant Professor, Dermatology - University of Rochester Medical Center                              |
| Andrew Shubin         | Biomedical Engineering              | Poly(ethylene glycol) Hydrogels for Salivary Gland Regeneration  | 2018      | General Surgery – University of Texas Southwestern Medical School  |  |
| Aisha Siebert         | Translational Biomedical Science    | Parasitoid wasp (Nasonia) venoms: high throughput approach to functional characterization and translational application to drug discover   | 2018      | Urology – Northwestern University, Feinberg School (Chicago)   | House Officer, Urology - Northwestern University   |
| Adrienne Chesser      | Neuroscience                        | Selectively Enhancing Clearance of Pathological Tau Through the Use of Phytochemical Compounds   | 2017      | Family Medicine - Allina Family Residency Program, Minnesota   | Family Medicine Physician - Health Partners Park Nicollet  |
| Youssef Farhat        | Biomedical Engineering              | Identification of PAI-1 as a Biological Target for the Promotion of Scarless Flexor Tendon Healing   | 2017      | Pathology – Medical College of Wisconsin Affiliated Hospitals  | Pathology Specialist of Southeast Michigan - Ascension   |
| Jonathan Langdon      | Biomedical Engineering              | Development of Single Track Location Shear Wave Viscoelasticity Imaging for Real-Time Characterization of Biological Tissues               | 2017      | Radiology, Diagnostic - Yale-New Haven Hospital, CT  | Fellow - Yale Medical School   |
| Rialnat Lawal         | Cell Biology of Disease (Pathology) | Osteolineage Notch Ligand Jagged 1 Regulates Bone Homeostasis and Parathyroid Hormone-Dependent Long-Term Hematopoietic Stem Cell Function | 2017      | Internal Medicine - University of Rochester/Strong Memorial Hospital   | Fellow, Hematology/Oncology—National Institutes of Health  |

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| Emily Walters       | Biomedical Genetics                 | Non-Mutated Mediator Genes in Diverse Epithelial Cancer Types   | 2017      | Anesthesiology – UCLA Medical Center, CA   | Adjunct Professor - Pittsburg State Univ; Physician Anesthesiologist - Freeman Health Systems, Joplin, MI             |
| Danielle deCampo    | Neuroscience                        | An Extended Amygdala Path with Implications for Early Life Stress   | 2016      | Child Neurology - Johns Hopkins Hospital, MD   | Fellow, Child Neurology, Epilepsy - Children's Hospital of Philadelphia   |
| Laura Fornarola     | Pharmacology & Physiology           | The Role of PIN1 in Neuronal Programmed Cell Death Following Trophic Factor Deprivation   | 2016      | Anesthesiology - University of Rochester, Rochester, NY  | Anesthesiologist, Westside Anesthesia Associates of Rochester   |
| Natasha Golub       | Epidemiology                        | Longitudinal Health Outcomes in Former Refugees   | 2016      | General Preventive Medicine - Johns Hopkins/Bloomberg, MD  | Internal Medicine Specialist - Greenville Hospital System Center for Refugee Health, Rochester, NY                    |
| Kevin Makino        | Health Services Research            | Income, Public Health Insurance Eligibility, and Children's Insurance Status: Implications for Parental Distress, Parenting Behaviors and Child Socio-Emotional Health  | 2016      | Pediatrics - University of Hawaii  | Assistant Professor, Psychiatry, Child and Adolescent - University Hospitals/Cleveland Medical Center                 |
| Lisa Niswander      | Cell Biology of Disease (Pathology) | Microenvironmental Regulation of Megakaryopoiesis and Thrombopoiesis by SDF-1   | 2016      | Pediatrics - Children's Hospital of Philadelphia (CHOP)  | Instructor, Pediatrics, Oncology -Children's Hospital of Philadelphia (CHOP)  |
| Imran Punekar       | Neuroscience                        | Impulsivity in Parkinson's Disease  | 2016      | Anesthesiology - University of Rochester/Strong Memorial Hospital                                      | Pain Management Specialist - Manhattan, NY  |
| Drew Scoles         | Biomedical Engineering              | Expanding the Application of Adaptive Optics Scanning Light Ophthalmoscopy  | 2016      | Ophthalmology, Scheie Eye Institute, University of Pennsylvania.                                       | Assistant Professor, Ophthalmology - Children's Hospital of Philadelphia (CHOP)                                       |
| Helen Wei           | Neuroscience                        | Functional Hyperemia in Cerebral Capillaries  | 2016      | General Surgery - University of Rochester/Strong Memorial Hospital                                     | General Surgery Physician, Rochester, NY  |
| Laura DiChiacchio   | Biochemistry & Biophysics           | Computational Prediction of RNA Secondary Structure with Applications to RNA Viruses  | 2015      | Surgery, General - University Maryland Medical Center  | Fellow, Cardiothoracic Surgery - University of Utah   |
| Anat Kohn           | Biomedical Genetics                 | The Role of RBPjk-Dependent Notch Signaling During Cartilage Development of the Limb Skeleton   | 2015      | Internal Medicine - University of Rochester/Strong Memorial Hospital                                   | Internal Medicine Physician - Strong Memorial Hospital, Rochester, NY   |
| Daniel Marker       | Cell Biology of Disease (Pathology) | URMC-099, a Novel Kinase Inhibitor with Drug-like Properties, is Neuroprotective in Models of Human Immunodeficiency Virus Associated Neurocognitive Disorders  | 2015      | Pathology - University of Pennsylvania Medical Center (Pittsburgh)                                     | Assistant Professor of Neuropathology - University of Pittsburgh  |
| Tristan Nicholson   | Cell Biology of Disease (Pathology) | Estrogen receptor-alpha is a key mediator and therapeutic target in benign prostatic hyperplasia  | 2015      | Urology - University of Washington Affiliated Hospitals, Seattle                                       | Acting Instructor Urology - University of Washington School of Medicine   |
| Salvatore Priore    | Chemistry                           | Discovery and Characterization of Influenza Virus RNA Secondary Structure   | 2015      | Pathology - Hospital of the University of PA (Philadelphia)  | Assistant Professor, Clinical Pathology and Laboratory Medicine, Univ. of Pennsylvania                                |
| Jharon Silva        | Microbiology & Immunology           | Modeling the Effect of HIV-1 Induced Neuroinflammation on the Cerebral Vasculature: Acute Intracranial Exposure to HIV-1 Tat Leads to Dysregulation of Cerebrovascular Reactivity, While Chronic Tat Exposure Results in Reduced Vascular Density | 2015      | Emergency Medicine - University of Connecticut School of Medicine                                      | Emergency Medicine Physician, Hospital of Central Connecticut   |
| Melissa Carrasco    | Neuroscience                        | Cognitive Role of Medial PFC in Error Processing: Lessons Learned from Healthy Children and Pediatric OCD, Anxiety, and ASD   | 2014      | Child Neurology - Johns Hopkins University (prelim year in Pediatrics - Univ. Maryland Medical Center) | Assistant Professor Neurology University of Wisconsin-Madison   |
| Scott Peslak        | Cell Biology of Disease (Pathology) | Erythropoiesis: Injury and Recovery   | 2014      | Internal Medicine-ABIM Research Pathway - Hospital of the Univ. of Pennsylvania                        | Instructor Hematology Univ. of PA, Philadelphia, PA   |
| Phillip Rappold     | Neuroscience                        | Pathogenic Mechanisms and novel Therapeutic Strategies in Parkinson Disease   | 2014      | Surgery-Preliminary/Urology - University of Rochester/Strong Memorial Hospital                         | Assistant Professor, Urology - University of Rochester Medical Center   |
| Danny Rogers        | Neuroscience                        | Novel Approaches for Targeting Undifferentiated Cells in Neuroblastoma  | 2014      | Child Neurology - University of New Mexico, Albuquerque (prelim year in Pediatrics)                    | Assistant Professor, Neurology, Residency Director, Child Neurology, Division Chief - Univ. of New Mexico Albuquerque |
| Mercedes Szpunar    | Cell Biology of Disease (Pathology) | Evidence for Sympathetic Nervous System Regulation of Breast Cancer Progression   | 2014      | Psychiatry (Research Track) - UCSD, San Diego  | Psychiatrist, Massachusetts General Hospital  |
| Joanna Touger Olsen | Microbiology & Immunology           | SEVI, A Natural Enhancer of HIV Infection, as a Novel Target to Prevent HIV Transmission  | 2014      | Anesthesiology/Critical Care Medicine - Oregon Health & Science University, Portland                   | Assistant Professor Anesthesiology and Perioperative Medicine, Oregon Health & Science University, Portland           |
| Edward Vuong        | Biomedical Genetics                 | lep-5: a long noncoding RNA is a novel heterochronic regulator in C. elegans  | 2014      | Internal Medicine - North Shore-LIJ Health System, Manhasset, NY                                       | Assistant Professor, Internal Medicine, Donald and Barbara Zucker School of Medicine                                  |

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| Ethan Winkler             | Neurobiology & Anatomy              | Vascular-mediated neuronal injury: the role of blood-spinal cord barrier disruption in the pathogenesis of amyotrophic lateral sclerosis        | 2014      | Neurological Surgery - UCSF, San Francisco, CA   | Research Associate WOS, Neurological Surgery - UCSF Weill Institute for Neurosciences                 |
| Michael Wu                | Neurobiology & Anatomy              | Inhibition of Adult Hippocampal Neurogenesis by Sustained Interleukin-1 $\beta$   | 2014      | Anesthesiology, Research Track - UCSF, San Francisco, CA   | Anesthesiologist - Alameda Health Medical Group Oakland, CA   |
| Youngsun Cho              | Neuroscience                        | Defining Limbic Subsystems: Examining a Functional Reward Network and Cortico-Amygdala-Striatal Anatomic Circuits                               | 2013      | Psychiatry - Yale/New Haven Hospital, New Haven, CT  | Assistant Professor - Yale School of Medicine Child Study Center and Department of Psychiatry         |
| Susan Fong (formerly Lee) | Neuroscience                        | Audiovisual Integration During Language Comprehension: The Neural Basis of Social Communication in Autism and Typical Development               | 2013      | Child Neurology - Cincinnati Children's Hospital, Cincinnati, OH   | Asst. Professor, Neurology (Epilepsy Division) - Cincinnati Children's Hospital, Cincinnati, OH       |
| Vincent Fong              | Microbiology & Immunology           | Novel Targeting Strategies for Adenovirus Vectors: Investigating the Rad51 Promoter and Inducible Elements                                      | 2013      | Internal Medicine, Research Track - Case Western Reserve; Cleveland, OH  | Asst. Professor, Clinical Internal Medicine - Cincinnati Children's Hospital                          |
| Michael Jacob             | Neuroscience                        | The Active Control of Self-Movement Perception: Neuronal Mechanisms and Cognitive Aging   | 2013      | Psychiatry - University of California, San Francisco   | Assistant Professor, Psychiatry- UCSF   |
| Keith Olsen               | Microbiology & Immunology           | The Role of Transglutaminase 2 in Pulmonary Fibrosis  | 2013      | Dermatology - Oregon Hlth. & Sci. University (prelim year at University of Rochester/Strong Memorial Hospital) | Dermatologist - Kaiser Permanente, Portland, Oregon   |
| Rebecca Porter            | Cell Biology of Disease (Pathology) | Prostaglandin E2 is a Positive Regulator of Hematopoietic Stem and Progenitor Cells under Normal Conditions and in Response to Radiation Injury | 2013      | Internal Medicine - Brigham & Women's Hospital, Boston, MA   | Instructor, Dept of Medical Oncology, Division of Gynecologic Oncology - Dana Farber Cancer Institute |
| Christopher Richardson    | Microbiology & Immunology           | A Study of the Molecular Characteristics of 9G4+ Autoantibodies and of B cell Tolerance in Systemic Lupus Erythematosus                         | 2013      | Dermatology - University of Rochester/Strong Memorial Hospital (with a prelim year)                            | Assistant Professor, Dermatology; Instructor, Medicine - University of Rochester Medical Center       |
| Adam Simning              | Epidemiology                        | Anxiety and Depression in Older Adult Public Housing Residents: Prevalence, Correlates and Implications for Care                                | 2013      | Psychiatry- University of Rochester/Strong Memorial Hospital   | Assistant Professor, Psychiatry - University of Rochester Medical Center                              |