

Trainee	Degree Program	Thesis Title	Grad Year	Residency	Current Position
John Bennett	Chemistry	Chemoenzymatic Scaffold Diversification of Natural Products via Cytochrome P450-Catalyzed C—H Oxidation	2025	Internal Medicine - Ohio State University	Residency
Gary Ge	Optics	Reverberant Elastography and Speckle Analysis for Brain Characterization	2025	Diagnostic Radiology - UCSF (prelim year at Providence Health in Oregon)	Residency
Briaunna Minor	Immunology, Microbiology & Virology	Implications for Targeting Tumor Associated Neutrophils to Attenuate Estrogen Mediated Lymphangiogenesis	2025	Internal Medicine (ABIM Research Track) - Vanderbilt	Residency
Catherine Pizzarello	Immunology, Microbiology & Virology	Effects of Dietary and Environmental Exposures on Infant Immune Development	2025	Psychiatry (Research Track) - Ohio State University	Residency
Michael Sportiello	Immunology, Microbiology & Virology	Investigating CD8 T cell tissue resident memory phenotype, function, metabolic activity, and differentiation	2025	Internal Medicine (Research Track) - Emory University	Residency
Samuel Weisenthal	Biostatistics	Relative Sparsity and Optimality-based Reward Learning with Applications to Medical Decisions and Toxicology	2025	Family Medicine - Penn State Hershey	Residency
Hannah Bell	Immunology, Microbiology & Virology	The Function of Type Three Secretion System Protein VopZZ in <i>Vibrio cholerae</i> Infection	2024	Anatomic and Clinical Pathology - University of Rochester/Strong Memorial Hospital	Residency
Udaysankar Chockanathan	Neuroscience	Variations in neuronal population activity across behaviors, brain regions, and disease	2024	Psychiatry - University of California, San Francisco (UCSF)	Residency
Ian DeAndrea-Lazarus	Translational Biomedical Science	Anticipatory Biasing of Visuospatial Attention in Deaf Native Signers	2024	Internal Medicine - UT Dell (TX)	Residency
Karl Foley	Neuroscience	Protein phosphatase 1 isoforms differentially regulate synaptic transmission and plasticity	2024	Pediatrics (Medical Genetics) - Children's National Medical Center, DC	Residency
H. Mark Kenney	Cell Biology of Disease (Pathology)	Elucidating the Mechanisms of Lymphatic Muscle Cell Dysfunction in Arthritic Flare	2024	Dermatology; University of Rochester/Strong Memorial Hospital	Residency
Shuyang "Sue" Qin	Immunology, Microbiology & Virology	Effects of Intertumoral Heterogeneity on Immunosuppression and Immunotherapy Resistance in Synchronous Melanoma	2024	Dermatology - Oregon Health and Science University (prelim. Year at University of Rochester/Strong Memorial Hospital)	Residency
Keshov Sharma	Neuroscience	Amygdala-Prefrontal Circuits Implicated in Expression Perception	2024	Neurological Surgery - University of Rochester/Strong Memorial Hospital	Residency
Frances "Fara" Zakusilo	Neuroscience	Protective mechanisms in Naked Mole Rat CNS: roles of extracellular matrix and astroglia	2024	Diagnostic Radiology - Mount Sinai (prelim. year at NYU, Surgery)	Residency
Annette French	Brain & Cognitive Sciences	Perceptual Processes Underlying Depth Judgement of Moving Object During Self-Motion	2023	Psychiatry (Research Track) - UNC Chapel Hill	Residency
Aditi Misra	Biomedical Engineering	Transcriptomic Analysis of Neonatal Cardiac Regeneration and Scar Resolution	2023	Internal Medicine (Research Track) - Baylor College of Medicine, Houston	Residency
Keshia Mora	Biomedical Engineering	Multiaxial and multiscale strain assessment of the impinged Achilles tendon insertion	2023	Pathology - University of Pennsylvania	Residency
Jerry Saunders	Cell Biology of Disease (Pathology)	A novel combination therapy enhances recovery following radiation exposure	2023	Pathology - Icahn School of Medicine at Mount Sinai	Residency
Arun Venkataraman	Physics	How fast can we go? Optimizing Diffusion MRI (dMRI) Acquisition	2023	Radiology - University of Pennsylvania (prelim. year at SUNY Upstate)	Residency
Jesse Wang	Translational Biomedical Science	A Patient-Centered Digital Scribe	2023	Internal Medicine - University of Pittsburgh Medical Center	Residency
Brendan Whitelaw	Neuroscience	Mechanisms of ATP-dependent microglial process motility	2023	Neurology - Washington University, St. Louis	Residency
Jonathan Bartko	Cell Biology of Disease (Pathology)	Characterizing Context-Specific Roles for CHOP in ER Stress Signaling and Neurodevelopment	2022	Vascular Surgery - Case Western/Univ Hsp Cleveland Med, OH	Residency
Michael-John Bellejar	Biomedical Genetics	Understanding the Genetic Basis for Bone-Matrix Quality	2022	Emergency Medicine - University of Rochester/Strong Memorial Hospital	Residency
Booyeon Han	Immunology, 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	Residency
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	Residency
Rohith Palli	Biophysics, Structural & Computational Biology	Executable models of signaling pathways and application to HIV	2022	Internal Medicine - University of Rochester/Strong Memorial Hospital	Residency
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 GradMed Educ-FL	Residency
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	Residency
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	Fellow, Hematology and Medical Oncology, University of Washington
Dawling Dionisio-Santos	Neuroscience	Ameliorating Alzheimer's Disease tau pathology through immunomodulation: A novel role for interleukin 4 and gliatramer acetate	2021	Neurology - University of Rochester/Strong Memorial Hospital	Fellow, Neurology, URM
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 Track) - Ohio State University Med Ctr	Fellow (PSTP), Hematology/Oncology - Ohio State University Med Ctr
Allison Li	Cell Biology of Disease (Pathology)	Regulation of hematopoiesis in the bone marrow microenvironment	2021	Internal Medicine - Yale-New Haven Hosp, CT	Fellow, Medicine, Memorial Sloan Kettering Cancer Center
Hayley Martin	Epidemiology	Assessing the impact of Group Prenatal Care on Breastfeeding Behavior and Motivation	2021	Pediatrics - Childrens Hospital of Philadelphia (CHOP)	Residency
Andrew Smith	Immunology, 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	Attending Physician, University of Florida, Gainesville
Emily Wu	Immunology, Microbiology & Virology	The Role of TNF-α in the Genesis of Inflammatory Interstitial Lung Disease in Rheumatoid Arthritis	2021	Internal Medicine - St Joseph Mercy-Ann Arbor-MI	Fellow, Hospice and Palliative Care, UC Davis Medical Center
Andrew Allbee	Biomedical Genetics	Lmx1a is required for Drosophila ovary stem cell niche formation and organogenesis	2020	Fellow, Hematopathology - Mass General Brigham	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, Neonatal-Perinatal Medicine - 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	Immunology, Microbiology & Virology	The Dichotomy of Curaxin Compounds in HIV-1 Latency	2020	Neurology - University of Rochester/Strong Memorial Hospital	Fellow, Neuro-Oncology, University of Rochester/Strong Memorial Hospital

Trainee	Degree Program	Thesis Title	Grad Year	Residency	Current Position
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	Fellow, Dermatopathology - University of Rochester/Strong Memorial Hospital
Aimee Morris	Neurobiology & Anatomy	Functional Brain Network Structure in Focal Embouchure Dystonia and Related Disorders	2020	Child Neurology - St Louis Childrens Hosp	Fellow, Movement Disorders - WashU Medicine
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	Fellow, Ophthalmology, University of Utah School of Medicine
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	Fellow, Autoimmune Neurology, Mayo Clinic, Rochester, MN
Jomy Varghese	Biomedical Engineering	Salivary Gland Radiation Protection	2020	Anesthesiology - University of Michigan Hosps-Ann Arbor	Anesthesiologist, South Sacramento Medical Center
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	Assistant Professor, Oncology; Palliative Medicine, Roswell Park Comprehensive Cancer Center, University at Buffalo
Katherine Herman	Immunology, Microbiology & Virology	Spontaneous Immune Dysregulation in the Skin in the Absence of Wiskott-Aldrich Syndrome Protein	2019	Pediatrics - Boston Children's Hospital	Instructor of Pediatrics, Pediatric Allergy/Immunology - 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	Fellow, Hematology/Oncology, Baylor College of Medicine
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)	Neurologist, Kaiser Permanente San Francisco Medical Center
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)	Instructor, Imaging Sciences, University of Rochester/Strong Memorial Hospital
Salvador Pena	Cell Biology of Disease (Pathology)	Hypoxia and the Mitochondrial Unfolded Protein Response	2019	Anesthesiology - Wake Forest Baptist Medical Center	Clinical Assistant Professor of Anesthesiology, Wake Forest Univ. School of Medicine
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	Residency
Samuel Carrell	Biomedical Genetics	Testing the limits of antisense oligonucleotide treatment for myotonic dystrophy Type 1	2018	Neurology - Hospital of the University of PA	Instructor of Neurology, University of Pennsylvania
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	Immunology, Microbiology & Virology	Increasing the safety of the Live Attenuated Influenza Virus Vaccine	2018	Pediatrics - Cincinnati Children's Hospital	Associate Director of the Center for Excellence in Vaccinology, Rochester General Hospital Research Institute
Alison Moynihan	Immunology, 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	Assistant Instructor, Surgery, UT Southeastern Medical Center
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)	Clinical Fellow, Urology - Boston Children's Hospital
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	Assistant Professor, Radiology and Biomedical Imaging; Co-Section Chief, Ultrasound, Radiology & Biomedical Imaging, Yale School of Medicine
Rialnat "Bisi" 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	Hematologist, NIH Clinical Center, Bethesda, MD
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	Attending Neurologist, Neurology and Pediatric Epilepsy Program, CHOP
Laura Fomarola	Pharmacology & Physiology	The Role of PIN1 in Neuronal Programmed Cell Death Following Trophic Factor Deprivation	2016	Anesthesiology - University of Rochester, Rochester, NY	Anesthesiologist, Westide 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 Hosptials/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)	Assistant Professor in Oncology, Department of Pediatrics, Roswell Park Comprehensive Cancer Center Buffalo NY
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	Assistant Professor, Acute Care Surgery, Trauma, and Surgical Critical Care, University of Kentucky HealthCare
Laura DiChiacchio	Biochemistry & Biophysics	Computational Prediction of RNA Secondary Structure with Applications to RNA Viruses	2015	Surgery, General - University Maryland Medical Center	Cardiac Surgeon at Cedars-Sinai Medical Center
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	Assistant Professor of Medicine, University of Pittsburgh and UPMC

Trainee	Degree Program	Thesis Title	Grad Year Residency		Current Position
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	Assistant Professor, Urology, Univ. 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	Immunology, Microbiology & Virology	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