

	Student		Supervisor		Department	Project Title
1	Kaitland	Fior	Dr.	Michael Levin	Medicine	Elucidating novel mechanisms of antibody mediated neurodegeneration in a model of multiple sclerosis
2	Hassaan	Sabir	Dr.	John Howland	Anatomy, Physiology, and Pharmacology	Mice as a model to study the long-term effects of gestational exposure to cannabinoids
3	Alina	Sami	Dr.	Linda Chelico	Biochemistry, Microbiology, and Immunology	Restriction of coronavirus by APOBEC3 enzymes
4	Tye	Morin	Dr.	Justin Botterill	Anatomy, Physiology, and Pharmacology	Dorsal and ventral hippocampal mossy cells in cognitive and affective behaviours
5	Lorynn	Labbie	Dr.	Michelle Collins	Anatomy, Physiology, and Pharmacology	Elucidating the function of pitx2c in cardiac conduction system patterning
6	Haidyn	Golinowski	Dr.	Julia Boughner	Anatomy, Physiology, and Pharmacology	The Role of the p63 Gene in Vertebrate Tooth Formation
7	Abdullah	Qureshi	Dr.	Michael Wu	Biochemistry, Microbiology, and Immunology Associate Faculty	High-throughput identification of neurotoxic chemicals associated with dopaminergic neurodegeneration
8	Blisspreet	Bhandal	Dr.	Juan Ianowski	Anatomy, Physiology, and Pharmacology	Ionocyte Localization and Contribution to CFTR-dependent Ion Transport in CF and non-CF pHBE cells
9	Prachi	Shrestha	Dr.	Asmahan AbuArish	Anatomy, Physiology, and Pharmacology	Quantifying Keap1/Nrf2/DJ1 expressions and interactions in COPD airway epithelium
10	Isha	Noor	Dr.	Julia Boughner	Anatomy, Physiology, and Pharmacology	The Role of the P63 Gene in Mammalian Tooth Formation
11	Ashley	Fisher	Dr.	Veronica Campanucci	Anatomy, Physiology, and Pharmacology	Study of gut-neuron interaction in cystic fibrosis (CF) using intestinal organoids
12	Rylan	Bahrey	Dr.	Aaron White	Biochemistry, Microbiology, and Immunology	Characterizing the interactions between bacterial amyloids and human amyloid proteins.
13	Ally	Seifert	Dr.	Jeff Dong	Biochemistry, Microbiology, and Immunology	Multiplex analysis of lipid peroxidation and microglia senescence in the aging central nervous system
14	Maria	Zafar	Dr.	Scott Widenmaier	Anatomy, Physiology, and Pharmacology	Inhibiting cholesterol esterification in vivo to alleviate liver cholesterol crystallization
15	Caleb	Hammond	Dr.	Anand Krishnan	Anatomy, Physiology, and Pharmacology	Exploring the role of MANF-Neuroplastin axis in adult neuron outgrowth
16	Aidan	Hydomako	Dr.	Scott Widenmaier	Anatomy, Physiology, and Pharmacology	Study of Molecules That Control HDL-Cholesterol Uptake by the Liver
17	Kyle	Vincent	Dr.	Aaron White	Biochemistry, Microbiology, and Immunology	Using a Salmonella reporter to study gene expression and host-pathogen interactions.
18	Dani	Hamm	Dr.	Deborah Anderson	Oncology	Identifying new targets for breast cancer
19	Ali	Rizvi	Dr.	David Cooper	Anatomy, Physiology, and Pharmacology	Tracking individual remodeling events in rabbit trabecular bone using synchrotron imaging

20	Eric	Luo	Dr. Jenny Wachter	Biochemistry, Microbiology, and Immunology	Investigating Borrelia burgdorferi outer membrane vesicles
21	Rebecca	Iyoha	Dr. Yuliang Wu	Biochemistry, Microbiology, and Immunology	Role of DDX41 Helicase in Homologous Recombination Repair and MDS/AML
22	Faizaan	Khan	Dr. Franco Vizeacoumar	Oncology	Combination treatment for PLK1 overexpressing cancers
23	Christine Joyce	Francisco	Dr. Jessica Sheldon	Biochemistry, Microbiology, and Immunology	The co-opting of common goods: mechanisms of xenosiderophore uptake by Acinetobacter baumannii
24	Zahin	Rahman	Dr. Michael Kelly	Surgery	Membrane-Targeting Drug Treatments to Minimize Post-Stroke Damage
25	Khizra	Haq	Dr. Michelle Collins	Anatomy, Physiology, and Pharmacology	Elucidating the role of TFEB in early cardiac development and function
26	Ishita	Mann	Dr. Francisco Cayabyab	Surgery	Effects of Chronic Adenosine A1 Receptor Stimulation on HCN Channel Binding to the Scaffolding Protein PSD-95 in Rat Habenula
27	Ngoc Minh Tuyen	Nguyen	Dr. Yuliang Wu	Biochemistry, Microbiology, and Immunology	Role of DDX41 Helicase in P-bodies Formation and MDS/AML
28	Aiden	Glass	Dr. John Howland	Anatomy, Physiology, and Pharmacology	Neural circuitry underlying spatial working memory in the rat
29	Enrique	Aburto Arreguin	Dr. Jessica Sheldon	Biochemistry, Microbiology, and Immunology	Molecular mechanisms of histamine sensing and response in food spoilage microorganisms
30	Mahboubeh	Pordeli	Dr. Francisco Cayabyab	Surgery	A novel role of adenosine receptor signaling in mitochondrial dysfunction and neurodegeneration of dopaminergic neurons.
31	Rowen	Greene	Dr. Dean Chamberlain	Oncology	Using tumor microtissues to study the roll of hypoxia in cancer stem cell development.
32	Navod	Madampage	Dr. Julian Tam	Medicine	Improving Mucociliary Clearance in Muco-Obstructive Lung Diseases by Combining Nebulized Hypertonic Saline with TPRV4 Agonists
33	Mary	Lazell-Wright	Dr. Franco Vizeacoumar	Oncology	Combination treatment for telomerase overexpressing cancers
34	Lois	Blas	Dr. Jeffrey Chen	VIDO	Examining the effect of inhibiting p-HBAD synthesis by the live bacillus Calmette-Guerin (BCG) vaccine on its protective efficacy against tuberculosis disease.
35	Kaylen	Young	Dr. Oleg Dmitriev	Biochemistry, Microbiology, and Immunology	Interaction Between the Metal Binding Domains of the Copper Transporter ATP7B and the Lipid Membrane
36	Carolyn	James	Dr. Michael Kelly	Surgery	Behavioural Testing in Mice: Studying the Aftermath of MCAO Stroke
37	Joanne Jibu	Zachariah	Dr. Heather Szabo-Rogers	Anatomy, Physiology, and Pharmacology	The Function of FOCAD and Prickle1 in the development of facial cartilages
38	Jian	Park	Dr. Jeff Dong	Biochemistry, Microbiology, and Immunology	Investigating TREM2 as a receptor for oxidized phosphatidylcholine
39	Matt	Ritchie	Dr. Peter Pioli	Biochemistry, Microbiology, and Immunology	Interferon mediated regulation of thymus antibody-secreting cell generation