

	Student		Supervisor		Department	Project Title
1	Kayla	Abrametz	Dr.	George Katselis & Jay Shavadia	Medicine (CCHSA)	Application of serum proteomics to investigate clinical outcomes following ST-elevation myocardial infarction
2	Jesse	Adrian	Dr.	John Howland	Anatomy, Physiology, and Pharmacology	Examining the role of the nucleus accumbens for working memory in the rat
3	Hatem	Alfarra	Dr.	Asmahan AbuArish	Anatomy, Physiology, and Pharmacology	Quantifying inflammasome assembly in human airway epithelial cells
4	Tristan	Anderson-Woodsworth	Dr.	Joyce Wilson	Biochemistry, Microbiology and Immunology	Establish culture of common cold coronaviruses and identify host dependency factors
5	Jordan	Bairos	Dr.	Scott Widenmaier	Anatomy, Physiology, and Pharmacology	Exploring Metabolic Stress Defense Genes in Cellular Cholesterol Homeostasis
6	Hannah	Braun	Dr.	Jenny-Lee Thomassin	Biochemistry, Microbiology and Immunology	Identificaion of novel exoproteins secreted by the Klebsiella pneumoniae type II secretion system
7	Monisha	Chakder	Dr.	Yuliang Wu	Biochemistry, Microbiology and Immunology	Identifying DDX41-interacting proteins by BioID
8	Amber	Debnam	Dr.	Jo-Anne Dillon	Biochemistry, Microbiology and Immunology	Role of conserved residues of the N. gonorrhoeae cell division protein FtsI in penicillin binding and association with the cell division protein FtsW
9	Hya	El-Baroudy	Dr.	Anand Krishnan	Anatomy, Physiology, and Pharmacology	Establishing a 3D culture model to study nerve regeneration after in vitro reconstruction of peripheral nerves
10	Kaitland	Fior	Dr.	Michael Levin	Medicine	Elucidating novel mechanisms of A1-antibody mediated neurodegeneration
11	Amelia	Gagnon	Dr.	Dean Chamberlain	Oncology	Developing Tumour Microtissue Hypoxia Models
12	Haidyn	Golinowski	Dr.	Julia Boughner	Anatomy, Physiology and Pharmacology	The Role of the p63 Gene in Vertebrate Tooth Formation
13	Yaxin (Ella)	Guo	Dr.	Julia Boughner	Anatomy, Physiology and Pharmacology	The Role of the p63 Gene in Mammalian Organogenesis
14	Aidan	Hydomako	Dr.	Scott Widenmaier	Anatomy, Physiology and Pharmacology	Study of molecules that control HDL-cholesterol uptake by liver
15	Rebecca	Iyoha	Dr.	Erick McNair	Pathology and Labortory Medicine	Assessment of Proteome Changes in the Development of Acute Kidney Injury following Cardiopulmonary Bypass-supported Cardiac Surgery
16	Sharon	Jacob	Dr.	Joyce Wilson	Biochemistry, Microbiology and Immunology	Validation of SARS-CoV-2 host dependency factors
17	Lorynn	Labbie	Dr.	Michelle Collins	Anatomy, Physiology and Pharmacology	Elucidating the function of pitx2c in cardiac conduction system patterning
18	YiChen (Tony)	Li	Dr.	Yuliang Wu	Biochemistry, Microbiology and Immunology	Effect of DDX41 deficiency on mRNA splicing of P-bodies genes EDC4, 4E-T and LSM14A
19	Kyle	Luo	Dr.	Jenny-Lee Thomassin	Biochemistry, Microbiology and Immunology	Identify novel exoproteins secreted by the Klebsiella pneumoniae type II secretion system
20	Adam	Magnus	Dr.	David Cooper	Anatomy, Physiology and Pharmacology	Developing 3D Histological Techniques for Visualizing the Basic Multicellular Unit in Bone

21	Tanvir	Minhas	Dr. Linda Chelico	Biochemistry, Microbiology and Immunology	The on-going conflict between APOBEC3 immune factors and HIV-1 Vif
22	Omer	Munir	Dr. Francisco Cayabyab	Surgery	PSD-95 Regulates HCN Channels and Neuronal Excitability in the Substantia Nigra
23	Jacob	Pilon	Dr. Michael Levin	Medicine	Using optogenetics to interrogate mechanisms of neurodegeneration
24	Genre	Sanfuego	Dr. John Howland	Anatomy, Physiology, and Pharmacology	Effects of exposure to cannabinoids during pregnancy on offspring outcomes
25	Nathan	Seidel	Dr. Kerry Lavender	Biochemistry, Microbiology and Immunology	Effect of IFN $\alpha$ subtypes on NK cell responses to HIV infected CD4+ T cells.
26	Rayan	Shafi	Dr. Brian Eames	Anatomy, Physiology & Pharmacology	Zebrafish Skeletal Tissue Formation
27	Sanskriti	Shrestha	Dr. Anand Krishnan	Anatomy, Physiology and Pharmacology	The role of proneural factors Neurog 2 and Ascl1 in the trans-differentiation of prostate adenocarcinoma cells into neuroendocrine cells
28	Amar Vir	Singh Minhas	Dr. Anil Kumar Victoria Ansalem	Biochemistry, Microbiology and Immunology	Analysis of the interaction of Eastern Equine Encephalitis virus capsid protein with nuclear pore complex proteins on virus life cycle
29	Khanh (Kenny)	Ta	Dr. Brian Eames	Anatomy, Physiology and Pharmacology	Little Skate's Biomineralization Development
30	Noah	Willfong	Dr. George Katselis	Medicine (CCHSA)	Characterization of Biological Mechanisms of Insecticide Resistance