



## BIOTECH SEMINAR SCHEDULE DECEMBER 6-7, 2023

### Wednesday, December 6, 2023

Time	Name	Title	Unit/Company
9:30	Magesh/Sushmitha	Purification of recombinantly produced extracellular matrix proteins using liquid chromatography	McGill, Anatomy & Cell Biology Dept.
10:00	Bharat/Bhasita	Method development of the Mini Mutagenicity Test: A miniaturized version of the Ames test	ITR Laboratories
10:20	Magesh/Swetha	LIPID NANOPRTICLE FOR EFFECTIVE GENE DELIVERY	McGill, Biomedical Eng. Dept.
10:40	Zakarian/Alex	2D/3D Cell Culture and Transfection Techniques Using Pharmaco-optimization and Nanoparticles	Targa Biomedical
11:00	<b>BREAK</b>		
11:20	Pitsitikas/Vanessa	Kinoplastid RNA Editing Ligase Inhibitors: Insight into The Mechanisms of Action	McGill, Parasitology Institute
11:40	Pineda/Gabriel	Characterization of microRNAs involved in DNA Damage Response (DDR) and Embryonic Genome Activation (EGA)	McGill, Animal Science Dept.
12:00	Demers/Louis Erik	Serially cultivated breast epithelial cells escape replicative senescence and fail to respond to dietary antioxidant pterostilbene	UBC, Food, Nutrition & Health, Vancouver
12:20	<b>LUNCH</b>		
14:00	Govindaraju/Akshaya	Peptide synthesis and method optimisation using MULTIPeP 2 parallel peptide synthesiser	MRM Proteomics
14:20	Fazulbhoy/Ria	Optimization of Peptide Purification by Liquid Chromatography using Agilent 1290 Infinity II and Solid Phase Extraction Purificaiton	MRM Proteomics
14:40	Rajalingham/Ainthuri	Development of a qualitative ECLIA (Electrochemiluminescence Immunoassay) for the measurement of antibodies against PEG in rat serum	Charles River Laboratories
15:00	Ruppert/Michael	Preclinical MRI-directed Brain Infusions: A Predictive Model for Human Responses	Charles River Laboratories

### Thursday, December 7, 2023

Time	Name	Title	Unit/Company
10:00	Ghafari/Marie Rose	Identification of Genetic Variants Linked to Breast Cancer Therapy-Induced Cardiovascular Toxicity	McGill, MUHC, Oncology
10:20	Tata/Divya	Development of lipid nanoparticles for the delivery of ENaC antisense oligonucleotides for the treatment of cystic fibrosis	McGill, MUHC, Pediatric Respiratory Medicine
10:40	Srikannan/Harinee	Using mouse models to study metal induced toxicity	McGill, Pharmacology & Therapeutics Dept.
11:00	<b>BREAK</b>		
11:20	Kumar/Ajay Prabhakar	Investigating Tumor-Stroma Interactions: ECM Remodeling in 3D Bioprinted MDA MB 231 Cancer Models	McGill, Bioengineering Dept.
11:40	Shah/Zarna	GWAS(Genome-Wide Association Studies): an Approach for Identification Of Candidate Genes in Tropical Legumes for Symbiotic Nitrogen(N) Fixation	McGill, Plant Science Dept.
12:00	Papazian/Rolan	Linker Domain in ABC transporters: Novel Tools for Protein Interactions	McGill, Parasitology Institute
12:20	<b>LUNCH</b>		
14:00	Bazzi/Leen	The impact of preconceptual cannabidiol use on the sperm epigenome	CRCHUM U. de Montréal
14:20	Zhang/Yuxuan	Updating linear motif predictions to reflect the increased size of public protein interaction databases and number of animal genomes	McGill, Bioengineering Dept.
14:40	Andharia/Rahul	Synthesis of TGF loaded Poly (Lactic Acid) Nanoparticles by Nano-precipitation method for Atherosclerosis	McGill, Experimental Medicine Dept.
15:00	Menon/Amshaja	VEGF-loaded chitosan nanoparticles embedded in collagen hydrogel for vascular tissue regeneration	McGill, Experimental Medicine Dept.