

DRIVE 2024

Presented by



**UNIVERSITY
OF ALBERTA**



**ALBERTA PRECISION
LABORATORIES**
Leaders in Laboratory Medicine

Friday April 26

DISCOVERY AND RESEARCH

0800-0825	Breakfast and Registration	
0825-0830	Welcome	
	Oral Research Presentations (Maple Leaf Room)	
0830-0845	Alam, Sarjana	Exploring new cryoprotectant agents to develop an optimized cryopreservation protocol for therapeutic regulatory T cells
0845-0900	Semeria Maitret, Tamara	Preliminary memory response profile of rubella-specific T cells: A pilot experiment
0900-0915	Wang, Huidong	Locked nucleic acid-assisted DNA catalytic reaction
0915-0930	Rais, Yasmine	Identification and quantification of human relaxin proteins by immunoaffinity-mass spectrometry
0930-0945	Tao, Jeffrey	Development of a DNzyme walker for the detection of base excision repair enzymes within living cancer cells
0945-1000	Kasongo, Joelle	Investigating sex differences in first-time HIV antibody-positive patients receiving follow-up testing in Alberta, Canada
1000-1015	Break	
1015-1030	(MLS Student)	TBA
1030-1045	(MLS Student)	TBA
1045-1100	(MLS Student)	TBA
1100-1115	Feng, Wei	Understanding the reaction kinetics of CRISPR-Cas systems for sensitivity RNA detection
1115-1130	Enwere, Emeka	Using Machine Learning to Predict Oncotype DX Risk-of-recurrence Categories in Early-Stage Breast Cancer
1130-1145	Yin, Charles	CAR T Cell Exhaustion But Not Ex Vivo Cytotoxicity Is Predictive of Patient Clinical Response: An Interim Analysis of ACIT001/EXC002, a Phase Ib/II Trial of Decentralized Production of CAR T Cells for Treatment of Relapsed/Refractory Aggressive NHL and ALL
1145-1200	Mracek, JJ	Perceptions of Death in Autopsy Providers: A Qualitative Sociological Study
1200-1230	Poster Set Up and Poster Viewing (Aurora Room)	
1230-1330	Buffet Lunch (Maple Leaf Room)	

INNOVATION

1330-1400	Unlocking the Potential of High Sensitivity Troponin: A Journey in Implementation and Impact Dr. Albert Tsui, PhD	
1400-1430	Recent advances in molecular cancer diagnostics in Alberta Dr. Soufiane El Hallani, PhD	
1430-1500	Bringing innovative testing strategies to remote communities: APL's ultramarathon Dr. Kaila Crawford, Associate Medical Director, APL	
1500-1510	Break	
1510-1610	DR. JOHN W. MACGREGOR MEMORIAL LECTURE Spying On Cell Signaling And Metabolism With Genetically Encoded Biosensors Dr. Robert Campbell, University Of Tokyo	
1610-1620	Oral Presentation Awards	
1620-1830	Reception and Cash Bar	

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Saturday April 27

EDUCATION SESSIONS				
0830-0900	Registration And Breakfast			
0900-0945	Prairie	Maple	Glacier	Evergreen
	AP Year In Review Dr. Peter Dromparis - GI Pathology Update	Industry Speaker: Roche Diagnostics Innovations in Corelab, Pathology and Molecular Biology/Genetics	LC-MS/MS Basics Grace Van Der Gugten	New Programs in LMP Graduate Studies: Transfusion and Molecular Specializations Chris Ward and Dr. Karen Matejka
0945-1030	Prairie	Maple		Evergreen
	AP Year In Review Dr. Jackie Chan - Thoracic Pathology update	Grad Student Session Renee Polziehn	Precision Cellular Therapies For Disease Treatment – The Role Of The Laboratory In Manufacturing Innovative Cell Therapy Products! Dr. Nicole Prokopishyn	
1030-1045	Break			
1045-1130	Prairie	Maple	Glacier	Evergreen
	AP Year In Review Dr. Jodi Carter - Breast Pathology Update	Grad Student Session Lisa Purdy	Tracking Enteric Bacteria Infections in the 21st Century: An Alberta's Perspective Dr. Linda Chui	New Lab Test: Fecal Calprotectin Dr. Dustin Proctor & Dr. Ola Ismail
1130-1230	Boxed Lunch with Poster Viewing and Judging (Aurora Room And Foyer)			
1230-1330	DR R.E. BELL MEMORIAL LECTURE Behavioral Economics, Automation, And Emotion In Health And Health Care Dr. David Asch, University Of Pennsylvania			
1300-1320	Minute To Win It Contest Winner Announcements			
1320-1335	Poster Presentation Awards and Closing Remarks			