Dear Friends & Colleagues!

This is the last Chair’s Report before the Summer Break!

The provincial Lab Services Transition and Lab Hub Projects continue to advance at the projected pace. Hub Lab functional programming is completed and Schematic Design has completed the first round. Many of you have already seen first sketches of how the new Hub Lab on South Campus will look and a broad presentation session of the Design is in planning for late summer/early fall. During this Big Meeting style event the Design firm will be presenting models and animations of the building design.

The regular meetings of Lab Leadership continued during the spring and the governance model for the new Lab entity as a wholly owned subsidiary to AHS has been developed to a large extent. As part of this, the transition of Lab Services into a Provincial Department has been approved to go forward. The Naming Process for the new Lab entity is still awaiting final approval. The Build Phase of EPIC as the new provincial electronic health record ‘Connect Care’ is fully underway in the Edmonton Zone.

As we now see more and more how these large-scale transformative projects will shape our future, I’m personally very grateful to all members from our Department for investing their time, energy, and commitment to make this a successful transition of Lab Services & Pathology in Edmonton and all Alberta! You all deserve a summer break, but the great work will resume in the fall!

Please join me in congratulating our 2018 Graduates for successfully completing one of our training programs. We had a wonderful graduation celebration at the Faculty Club on June 14. 2018 and it was great to see so many of you there. I would like to thank all our preceptors across the whole Department and all Edmonton Zone for their countless hours of teaching in classrooms, seminars and in the workplace. Simultaneously I welcome our new trainees joining us in the fall of 2018!

Please review our Spotlight on Education. In this issue the Pathologists’ Assistant Program is introduced. Our program is entering its fourth year since inauguration and we have already recruited our first graduates (two students per year). The second class just graduated and will join the workforce, the third class is entering the practicum year of the program, while the fourth class will start in September 2018. I would like to recognize the hard work and leadership of our PA Program Directors, in particular Monika Keelan for building the curriculum and establishing the foundation. Also the leadership of Dr. Cheryl Mather and Dr. Erin Chapman is instrumental for stabilizing and further refining the program in close collaboration with our gross room lead Vanessa Schiewe. This would not be possible without the countless hours all PAs (Marla, Danielle, Brittemy, Barry, Andrey, Sara, Ying, Mabelen, Anali) contribute to teaching! Thank you for your tremendous efforts, ongoing commitment and support of our PA program.

Mark your calendar and register for the 2018 Banff Pathology Course which we planned and organized together with our colleagues from the University of Calgary and in partnership with the Canadian Association of Pathologists. It will be held on September 05. - 02. 2018 – topic will be Thoracic Pathology!

Sincerely,

Dr. Michael Mengel, MD
Professor and Chair
Department of Laboratory Medicine and Pathology
University of Alberta
Interim Zone Clinical Department Head
AHS Laboratory Services, Edmonton Zone
Spotlight on Education
Pathologists’ Assistant Program

Drs. Monika Keelan & Erin Chapman - Program Co-Directors

Pathologist’s Assistants (PAs) – a relatively new type of laboratory professionals

Over the past few decades, demands for diagnostic services provided by Pathologists have exceeded the capacity to deliver them in a timely and cost-conscious manner. Gradually the role of PAs emerged as laboratory staff with an enhanced specialized skill set for the anatomical pathology laboratory that differed from the long-established Medical Laboratory Technologists.

What do PAs do?

PAs are specialized laboratory professionals with expertise in the comprehensive gross examination and selection and preparation of tissues from surgical specimens and post-mortem examinations. These responsibilities have been delegated by anatomical pathologists and allow PAs to act as physician extenders, thereby playing a critical role in the accurate diagnosis of disease. Over time, the responsibilities of PAs have expanded and may include instructional, supervisory, and/or managerial roles. Some settings may include research activities.

How are PAs trained?

For many years, individuals with a BSc could become “on-the-job trained” (OJT) PAs, but increasing demands for anatomical pathology services meant a more comprehensive standardized training would better support pathologists. OJT PA training is being phased out in favour of course- and practicum-based university graduate programs. Eventually, all PAs will be trained in Master’s degree programs accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The University of Alberta PA Program is preparing for NAACLS accreditation.

Professional Certification

The Canadian Certification Council of Pathologists’ Assistants certifies PAs in Canada. Graduates of NAACLS-accredited PA programs are also eligible to write the certification examination from the American Society for Clinical Pathologists (ASCP).

Continued ...
Pathologists’ Assistant Program  (Continued …)

The LMP PA Program

Graduates of the University of Alberta course- and practicum-based PA Program receive a Master of Science in Laboratory Medicine & Pathology with Specialization in Pathologists’ Assistant. The program incorporates professionalism and ethics with a strong foundational knowledge with 8 months of didactic courses in anatomy, human disease, systemic pathology, principles of anatomic pathology techniques, lab management and a non-credit instructional methods course. The 16-month clinical practicum is competency-based training delivered by certified PAs and pathologists in surgical pathology (gross examination and tissue dissection) and autopsy (e.g. post-mortem examination and organ sampling). Transition to clinical practice and experience in the community (funeral home) complete the practicum training. Throughout the 24-month program, students have opportunities to attend seminars in pathology offered at U of A Pathology Residency Academic Half-Day, City-wide Pathology Rounds and LMP Rounds. In addition, a research project is completed with a final manuscript and is presented at LMP Rounds and the annual Discovery, Research, Innovation, and Education (DRiV) Days.

The Director/Grad Coordinator of LMP Graduate Studies and PA Program Director, Dr. Monika Keelan, worked to get the program established and running by Sept 2015 and is currently working with Dr. Erin Chapman as Co-Director before stepping down. Dr. Cheryl Mather is the current Medical Director, following Dr. Laurie Russell who stepped down in 2016. The Program Co-Directors and the Medical Director teach in the didactic and clinical practicum portions of the program. PA instructor Barry Babiuk (Grey Nuns Hospital) coordinates and delivers lectures in the Systemic Pathology course. PA instructor Danielle Lee (Misericordia Hospital) coordinates and delivers lectures in the Anatomic Pathology Techniques course. Other PA instructors also deliver lectures in these courses: Marla Beach (University Hospital), Vanessa Schiewe (Grossing Team Lead, Edmonton Zone) and Brittney Loney (Autopsy Team Lead, Edmonton Zone). The PA site/rotation preceptors (Marla, Vanessa, Danielle, Brittney and Barry) are also responsible for the hands-on instruction “at the bench” in the practicum portion of the program. The program is fortunate to have support from all PAs in the Edmonton Zone for practicum teaching.

Alumni and Current Students

The first two students – Brittney Loney and Nikhita Arora – enrolled in our PA Program in September 2015 and completed the program in August 2017. Soon the second cohort of students – Ainsley Chan and Fatema Dhalla – will graduate. The third cohort – Richelle Edwards and Sara Fontes – are currently in their clinical practicum. We welcome the fourth cohort – Lillian Feng and Laura Henao Caviedes – who will start in Sept 2018.

Continued …
Pathologists’ Assistant Program (Continued …)
Awards & Honours

Dr. Jason Acker has been selected as one of seven 2018-2019 Killam Annual Professors in recognition of his outstanding contributions to scholarship and to the University community.

Dr. Linda Chui received the AHS President’s Excellence Award for Outstanding Achievement in Innovation and Research Excellence from the Alberta Provincial Pediatric Enteric Infection Team (APPETITE).

Dr. Chris Le received the Faculty of Medicine & Dentistry’s Canada 150 Research Award (2018-2025).

New Appointments

Dr. Jason Acker was appointed:
- Member - Alberta Transplant Institute, Research Committee
- Co-Chair - Policy, Commercialization and Knowledge Translation Committee; Expert Advisor Theme 3 (Engineer and allocate a better graft), Canadian Donation and Transplantation Research Program;
- Associate Editor - Transfusion
- Member - WCHRI Innovation Grant Panel (Biomedical B) April 8, 2017.

Dr. Michael Mengel has been appointed as a Member Editorial Board, Journal American Society of Nephrology.

The Department welcomes the following new member:
- Dr. Brent Mendez - Clinical Lecturer

Grants

Drs. Jason Acker (PI) and Gwen Clarke received a grant for their study on the “Feasibility in Canada of non-invasive prenatal testing using single-exon fetal RhD determination”. Canadian Blood Services – Blood Efficiency Accelerator Award Program, $20,000, Mar 15, 2018 - Mar 14, 2019 (1 year).

Dr. Chris Le received an NSERC Discovery Grant ($625,000) from the Natural Sciences and Engineering Research Council of Canada for his research on “Ultrasensitive assays for specific DNA damage, mutations, and DNA-protein interaction” ($125,000 per year for five years from 2018 to 2023).

Dr. Lori West received funding for “One Transplant for Life NCE”. West LJ (PI), Shapiro J (Co-PI), Caulfield T (Co-PI), Acker J (Co-PI), Urschel S (Co-PI), Greiner R (Co-PI). National Centres for Excellence (NCE) Full Application Preparation (FAP) Funding, $25,000 Total Funding; Feb 1, 2018 – Oct 31, 2018.

Extras

Drs. Janet Elliott & Locksley McGann welcome Kelly Anderson, recipient of 2018 Alberta Innovates Health Solutions (AIHS) Summer Studentship Award.
**Hematopathology Residency Program**

Congratulations to **Drs. Jennifer Duncan** and **Thomas Covello** for completing their 4 year Hematological Pathology Residency and for successfully passing the Royal College Exam. Dr. Duncan will be pursuing her new role as a Hematopathologist in Halifax and Dr. Thomas Covello will be pursuing his new role as a Hematopathologist in Vancouver.

Welcome to our new Hematological Pathology Residents who will be starting July 1, 2018. **Dr. Danielle Meunier** comes to us from the University of Alberta and **Dr. Sophia Peng** comes to us from the University of British Columbia. Please join us in welcoming them to the Department of Laboratory Medicine.

**General Pathology Residency Program**

Congratulations to GP resident **Dr. Shawn Zhu** whose exceptional academic achievements earned him the Dr T A Kasper Resident Excellence Scholarship.

**Anatomical Pathology Residency Program**

Congratulations to **Drs. Jeffery Tompkins** and **Kimberly Wood** on successfully completing their Royal College Examination in Anatomical Pathology and earning the well-deserved FRCPC title. Dr. Tompkins will be pursuing a hematopathology fellowship in Calgary and Dr. Wood will be working as pathologist and colleague in Edmonton. We are proud of their achievements and wish them the very best in the future.
Grad Students & Post-Docs

Milestones

The Graduate Studies program is proud to announce that:

- PhD Proposals were approved for Angela Ma, Mu Hao (Jack) Hsu, Yasser Abuetabah and Ashley Newbigging.
- Mu Hao (Jack) Hsu passed his doctoral candidacy examination.
- Areej Alhhazmi (Dr. Gregory Tyrrell, supervisor) passed her doctoral final examination. Her thesis is titled: “Molecular characterization of Streptococcus agalactiae isolates from human cases of invasive disease collected in Alberta, Canada: 2003-2013”.

Awards

The following students received awards that acknowledge their research/support their graduate programs:

- Jagdeesh Uppal has been awarded a Queen Elizabeth II Graduate Scholarship (Master’s), as well as a NSERC Canada Graduate Scholarship (Master’s) and a Walter Johns Fellowship.
- Lindsay Blackstock has been awarded a P.E.O. Scholar Award, the Andrew Stewart Memorial Graduate Prize, and the Honorary Izaak Walton Killam Memorial Scholarship.

Congratulations to All !!
Presentations

Dr. Jason Acker
1. 2nd Annual Symposium on Cryobiology and Biobanking, Royan Institute, Tehran, Iran, Feb 14, 2018.
   - “Small molecule ice recrystallization inhibitors control ice and protect cells during freezing and thawing”.
   - “Donor factors have a critical role in the cryobiological response of cells, tissues and organs”.
2. “Taking good business ideas out of the lab… the 4 P’s that will help you commercialize your research”. Canadian Glycomics Network (GlycoNet) Webinar Series, March 1, 2018.
5. “Best before date? What factors are affecting the quality and stability of our red blood cell products?” Canadian Society of Combined X-ray and Laboratory Technologists, Canmore, AB, April 13, 2018.

Dr. Ben Adam
1. USCAP Annual Meeting, Vancouver, BC, March 17, 2018

Dr. Linda Chui:
   - Chui, L., Zhi, S., Parsons, B., Szelewicki, I., Yuen, K., Delannoy, S., Fach, P., Li, V., Ferrato, C., Simmonds, K. “Identification of Shiga Toxin-Producing Shigella flexneri in Alberta, Canada”.
   - Ma, A., Chui, L. Characterization of heat resistant Escherichia coli clinical isolates possessing the locus of heat resistance.
4. DRInE, Edmonton, April 13-14, 2018
   - Szelewicki J., Parsons, B., Zhi, Shuai., Chui, L. “Characterization of Shiga Toxin-Producing Escherichia coli O157 Using Molecular Methods”.
   - Ma, A., and Chui, L. “Quantification of biofilm formation in heat resistant Escherichia coli isolates implicated in human infection”.
   - Lisboa LF, Boyd, DA, Croxen, MA, Chui, L., Lee, BE., Mulvey, MR., Taylor, G., Smith, SW., Dingle TC. “Elevated Rates of carbapenemase-producing Pseudomonas aeruginosa in an Alberta Tertiary Care Hospital.”
Presentations (cont’d)

Dr. Linda Chui (cont’d)


- Berenger, B., Ferrato, C., Chui, L. “Viability of Enteric Bacterial Pathogens in Stool Alone Compared to Transport Media”.

- Andersen, M., Ferrato, C., Berenger, B., Callfas, J., Chui, L. “Assessment of Shiga toxin-producing E. coli (STEC) using commercial Colorex STEC agar”.


- Lee, Bonita E.; Pang, Xiao-Li; Zhuo, Ran; Parsons, Brendan; Chui, Linda; Xie, Jianling; Lowerison, Karen; Osterreicher, Lara; Chambers, Patricia; Ali, Samina; Freedman, Stephen on behalf of the Alberta Provincial Pediatric Enteric Infection Team (APPETITE) “Identifying Enteropathogens in Children with Acute Gastroenteritis Presenting With Isolated Vomiting – APPETITE Study.”


Dr. Matthew Croxen:

Abstracts (all CACMID in Vancouver, British Columbia

- May 2nd to May 5th

1. Luiz Lisboa, David Boyd, Matthew Croxen, Linda Chui, Bonita Lee, Michael Mulvey, Geoffrey Taylor, Stephanie Smith, Tanis Dingle. “Elevated Rates of Carbapenemase-producing Pseudomonas aeruginosa in an Alberta Tertiary Care Hospital”

2. Luiz Lisboa, Matthew Croxen, David Boyd, Tanis Dingle, Bonita Lee, Vincent Li, Stephanie Smith, Geoffrey Taylor, Michael Mulvey, Linda Chui. “Evidence of Circulation of blaGES-5 Carbapenemase Within and Across Clinical Strains of Pseudomonas aeruginosa at a Tertiary Care Hospital in Alberta”


4. Linda Hoang, Matthew Croxen, Romi Ranasinghe, Katy Short, Sandeep Baddan, Elizabeth Brodkin. “Genome Sequencing Meets Shoe-Leather Epidemiology: Use of Whole-Genome Sequencing Data to Investigate a Cluster of NDM-Positive Citrobacter freundii in British Columbia”

5. Adrian Kense, Matthew Croxen, Tracey Woznow, Patrick Tang, Raewyn Broady, Titus Wong, Elizabeth Bryce, Linda Hoang. “Initial Exploration of the Impact of Specialized Rooms on the Microbiome of Bone Marrow Transplant Patients”

6. Adrian Kense, Tracy Lee, Matthew Croxen, Tracey Woznow, Patrick Tang, Raewyn Broady, Titus Wong, Elizabeth Bryce, Linda Hoang. “Real-time PCR for the Detection and Species-Specific Identification of Medically Important Aspergillus Species”


8. Tracy Lee, Matthew Croxen, Robert Azana, Vincent Tang, Martin Cheung, Nancy Lowther, Kathy Adie, Brian Auk, Natalie Prystajecky, Linda Hoang. “Whole Genome Sequencing in a Public Health Laboratory of Carbapenemase Producing Organisms using a simplified manual workflow”.

Dr. Penny Colbourne:

1. “The Drug Test: Qualitative Toxicology Testing for the Clinical Management of the Patient”. Centennial Centre for Mental Health and Brain Injury, Ponoka, AB. February 1/2018

2. Drive Days, Edmonton, AB. April 13/2018

   - “A Paradigm Shift in Clinical Toxicology”.

   - “Legalization of Cannabis – Making Our Way Through the Haze”.

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Presentations (cont’d)

Dr. Matthew Croxen (cont’d):

9. Benjamin Hon, Martin Cheung, Robert Azana, Tracy Lee, Kim Macdonald, Brian Auk, Matthew Croxen, Linda Hoang. “An In-House Laboratory Information Management System (LIMS) for Genome Sequence Data in a Public Health Laboratory”.

10. Romi Ranasinghe, Guanghong Han, Katie Short, Leslie Forrester, Jun Chen Collet, Julie Mori, Blair Ranns, Elyssa Lloyd-Smith, Bing Wang, Matthew Croxen, Bruce Gamage, Elizabeth Bryce, Linda Hoang. “Epidemiological, Molecular and Genomic Characterization of Carbapenemase-Producing Organisms (CPOs) in British Columbia (BC)”.

Dr. Tanis Dingle:

1. AMMI-CACMID, May 2-5, 2018, Vancouver, BC.


3. DRIvE Days, University of Alberta, April 13-14, 2018, Edmonton, AB.
   - J. Jacob and T.C. Dingle. “Optimizing susceptibility testing frequency for bacteremic patients”.
   - L. Feng and T.C. Dingle. “Evaluation of cryptococcal antigen lateral flow assay for detection of Cryptococcus infection.”

Drs. Janet Elliott & Locksley McGann:

Presentations:

   - Leah A. Marquez-Curtis, Locksley E. McGann, and Janet A. W. Elliott* (ORAL *presentor) “Cryopreservation strategies for endothelial cells – from vascular to corneal”
   - Nadia Shardt*, Zhirong Chen, Nadr M. Jomha, Janet A. W. Elliott (ORAL *presentor) “Using engineering modelling to shorten cryoprotectant loading time in vitrification of articular cartilage”
   - Kezhou Wu*, Leila Laouar, Rachael Dong, Janet A. W. Elliott, Locksley E. McGann, Nadr M. Jomha (ORAL *presentor) “Evaluation of five additives to mitigate toxicity of cryoprotectants on porcine chondrocytes”
   - Leila Zargarzadeh* and Janet A. W. Elliott (POSTER *presentor) “Models to describe solid–liquid equilibrium in cryobiology: Osmotic virial equation versus Margules activity model”


Dr. Judith Hannon:

M. Farrell, G. Clarke, G. Barr, J. Hannon. “Combined Antibody Tite Investigation in Prenatal Patients.” Poster presentation at DRInE: April 13th and 14th, 2018 at the Edmonton Clinic Health Academy, University of Alberta, Edmonton, AB

Mr. Trefor Higgins:

Gave a presentation on “Bilirubin update: clinical significance and measurement”. ASCP On-line webinar. March 18 2018
Presentations (cont’d)

Dr. Jelena Holovati:
C. Crossie, J.L., Holovati, G. Dowling. “Validation of cardiac valve allograft decontamination and bioburden reduction”. Poster presentations at both:
- Discovery, Research, Innovation and Education (DRIse) Days, Laboratory Services and Pathology, Edmonton, AB, April 2018
- Alberta Transplant Institute Research Day, Edmonton, AB, May 2018

Dr. Chris Le:
1. The 101st Canadian Society for Chemistry conference, Edmonton, Alberta. May 27-31, 2018:


Presentations (cont’d)

Dr. Chris Le (cont’d):

Dr. Nausherwan Mahmood:

Dr. Michael Mengel:
Was an Invited Speaker at the Annual meeting of the United States Canadian Association of Pathologists (March 17 – 21) 2018, Vancouver, Canada: Renal Pathology Society Companion Meeting. His presentation was entitled “The Molecular Diagnosis of ABMR and the Role of C4d”.

Dr. Laura Schmitt:
Was an invited speaker at the 6th Annual Dr. Harvey B. Sarnat Lectureship: Mini-Symposium on Epileptogenic Cerebral Cortical Lesions in Calgary on May 8, 2018. Her lecture was entitled “Hippocampal Sclerosis”.

Dr. Lori West:
1. Pediatric Cardiology Intensive Care Unit Teaching Series, Invited Speaker, Division of Pediatric Cardiology, Department of Pediatrics, University of Alberta, Edmonton, AB, May 28, 2018. “Transplant Immunology”

3. Academic Half Day, Department of Pediatrics, Division of Pediatric Cardiology, Invited Speaker, University of Alberta, Edmonton, AB, May 18, 2018. “Transplantation research and team science: Examples from the Canadian National Transplantation Research Program (CNTRP)”.
10. Faculty of Medicine and Dentistry (FoMD) Dean’s Lecture, Invited Speaker, University of Alberta, Edmonton, AB, March 27, 2018. “A view of academic medicine and the importance of clinician-scientists”.

– Pediatric Heart Transplant Research Group Under Dr. Linda Addonizio, New York-Presbyterian Morgan Stanley Children’s Hospital, Invited Speaker, “Sugar-coated transplants: ABH antigens and ABO-incompatibility in organ transplantation”.
Presentations (cont’d)

Dr. Lori West (cont’d):

10. Faculty of Medicine and Dentistry (FoMD) Dean’s Lecture, *Invited Speaker*, University of Alberta, Edmonton, AB, March 27, 2018. “A view of academic medicine and the importance of clinician-scientists”.

   - *Invited Speaker*, Session VI-Implementing Sex/Fender in Research and Policies. “How to address sex/gender in basic and clinical research”.


Recent Publications

Dr. Jason Acker:

**Published, Peer-reviewed Journal Articles**


**Editorials / Expert Reports**


**Published Abstracts**


My doctor asked if any of my family members suffered from mental illnesses.

I said no, I didn’t think so .... they all seem to enjoy it!

*Laughter is the best medicine, but your insurance only covers chuckles, snickers and giggles.*
Recent Publications Cont’d …

Dr. Jason Acker (cont’d):

Dr. Ben Adam:

Peer-reviewed papers

Dr. Linda Chui:

Dr. Matthew Croxen:

Dr. Tanis Dingle:

Drs. Janet Elliott & Locksley McGann:

Dr. Jelena Holovati:
Recent Publications cont’d ...

Dr. Chris Le:
7. Chen J, Li KL, Le XC, Zhu LZ. “Metabolic analysis of two rice (Oryza sativa) varieties exposed to 2, 2', 4, 4'-tetrabromodiphenyl ether”. Environmental Pollution, 2018, 237, 308-317. DOI: 10.1016/j.envpol.2018.02.027

Dr. Michael Mengel:
Peer-reviewed publications

Dr. Consolo Sergi:

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Dr. Consolato Sergi (cont’d):


Dr. Lori West:

Abstracts presented at 38th Annual Meeting and Scientific Sessions of the International Society of Heart and Lung Transplantation (ISHLT), April 11-14, 2018, Nice, France. And published in the Journal of Heart and Lung Transplantation, 2018:


Peer-reviewed publications:


A physician once said, “The best medicine for humans is laughter.”

Someone asked, “What if it doesn’t work?”

He smiled and said, “Increase the dose.”
2018 COURSE INFORMATION

Sept 6-8 2018
Banff Centre for Arts and Creativity
107 Tunnel Mountain Dr,
Banff, AB T1L 1H5

The focus for 2018 is **Thoracic Pathology** and will provide a forum for sharing information on current molecular diagnostics in the era of personalized medicine.

OBJECTIVES

After attending this course, participants will be able to:
- Deliver basic diagnostic approaches in thoracic pathology as a non-subspecialized pathologist
- Review recent up-dates in neoplastic and non-neoplastic thoracic pathology
- Describe novel insights from molecular diagnostics in thoracic pathology
- Discuss diagnostic pitfalls and limitations in thoracic pathology

[http://banffpathologycourse.com](http://banffpathologycourse.com)
Awards & Highlights

Oral Presentation Awards

Resident - Dr. Peter Dromparis

Grad PhD - Evelyn Asiedu
Grad MSc - Ian Vander Meulen
MLS - Theora Gray

Photo not available
Post-Doctoral - Ran Zhuo
Poster Presentation Awards

Post Doctoral - Ping Jiang

Resident - Dr. David Beyer

Grad PhD - Ashley Newbigging

Grad MSc - Betty Kipkeu

MLS - Shelby Sissons & Chelzianne Tampus
Anatomical Pathology Teacher of the Year Award

Dr. Adrian Box

Clinical Pathology Teacher of the Year Award

Dr. Mireille Kattar

Staff Recognition Award chosen by LMP Students’ Group

Ms. Cheryl Titus and Dr. Jason Acker

Dr. Lori L. Burrows, PhD, FAAM
Professor & CIHR University Delegate
Dept. of Biochemistry and Biomedical Sciences
Michael G. DeGroote Institute for Infectious Disease Research, McMaster University

Dr. John W. Macgregor Memorial Lecturer

Dr. Verna Yiu
President & CEO
Alberta Health Services
Professor of Pediatrics, Division of Pediatric Nephrology

Dr. RE Bell Memorial Lecturer
DRivE Day Judges

Dr. Benjamin Adams
Dr. Syed Anwar
Dr. Lori Burrows
Dr. Patricia Campbell
Dr. Gwen Clarke
Dr. Matthew Croxen
Dr. Sambasivarao Damaraju
Dr. Peter Dromparis
Dr. Nancy Gupta
Mr. Yung-Hsing Huang
Dr. Monika Keelan
Ms. Yanwen Lin
Dr. Karen Matejka
Dr. Juan Moreno
Ms. Aleksandra Popowich
Ms. Lisa Purdy
Ms. Anusha Sajja
Ms. Melissa Shyian
Dr. Albert Tsui
Dr. Zhixin Wang
Dr. Hongquan Zhang
Ms. Janet Zhou

Wishing you all a safe and fun filled summer!