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## LMP Chair's Report - October 2024

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**Dr. Benjamin Adam** <Impadmin@ualberta.ca>  
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Mon, Oct 21, 2024 at 1:25 PM

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# Laboratory Medicine & Pathology

## Chair's Report October 2024

Dear Colleagues, Learners & Friends!

Welcome to the Fall 2024 Chair's report. I hope you all had a great start to the academic year.

In this Chair's report, we are highlighting a **Spotlight on Innovation** from **Dr. Amanda VanSpronsen** (Division of Medical Laboratory Science) reporting the success of the Lab Wisely initiative. This project builds on the Choosing Wisely Canada program (which aims to reduce unnecessary medical tests and treatments) by providing tools to support the important role Medical Laboratory Technologists play in lab resource stewardship. This initiative is an inspiring example of the countless positive contributions LMP members are making beyond our department on a daily basis.

With the new academic year, I wish to extend a warm welcome to the new cohort of students across our educational programs, including MLS, graduate studies, and residency and fellowship programs. On the administrative support side, we also recently welcomed **Kim Thompson** and **Saira Syed** into their new roles with the Graduate and MLS programs, respectively. We have also had several new clinical faculty members join the department over the last few months and I look forward to working with you all. Welcome!

I encourage you to review the many impressive academic contributions and achievements from LMP members over the last quarter, including numerous presentations, publications, grants, and recognitions. In particular, I would like to highlight the many awards and recent successful thesis defenses by our graduate students, as well as **Dr. Michael Mengel**

being appointed Director of the Alberta Transplant Institute and AHS Chair in Transplantation. Congratulations!

Please mark your calendars for the **2025 DRive Days** on April 25-26, 2025 at Lister Centre. In addition to the usual high-quality research, innovation, professional development and education updates, we have two internationally renowned speakers committed to give our named lectures. For those interested in Anatomical Pathology, please also mark your calendars for the **2025 Banff Pathology Course (Head & Neck Pathology)** on September 25-27, 2025. More details on these events will be available shortly.

Please also watch your inboxes for the next **FoMD Workforce Census** coming in late November (last performed in 2018), which will provide Faculty leadership with a critical update on workforce demographics to help guide institutional strategic planning, monitor progress with social accountability mandates, and support program accreditation requirements.

On a personal note, I would like to thank everyone once again for their support over the last six months as I have settled into the Chair role. I continue to be humbled by and honoured to serve the many remarkable people in LMP. Thanks for all you do!

Sincerely,

**Benjamin Adam, MD, FRCPC**

Associate Professor and Chair

Department of Laboratory Medicine & Pathology

## Spotlight on Innovation

### **Behind the Scenes, Driving Change: Introducing the 'Lab Wisely' Initiative for MLTs**

By Dr. Amanda VanSpronsen, MLT, PhD

Associate Professor

Department of Laboratory Medicine & Pathology



In 2018, the Canadian Society of Medical Laboratory Science (CSMLS) approached the University of Alberta Medical Laboratory Science program to start a conversation around laboratory test utilization issues and the emerging prominence of organizations such as Choosing Wisely Canada (CWC). CWC is self-described as the “national voice for reducing unnecessary tests and treatments in Canada,” and publishes hundreds of evidence-based recommendations generated by dozens of healthcare societies. The timing was fortuitous as I had recently started my PhD program in Public Health. Being professionally trained as an MLT, my dissertation research was focused on the role that Medical Laboratory Technologists (MLTs) play in laboratory resource stewardship.

Although MLTs usually work behind the scenes, they have expertise in domains such as laboratory workflows and test protocols, which can make them ideally placed to support test utilization improvement interventions and advocate for more efficient use of resources. With this shared perspective, the CSMLS-UofA collaboration launched the 'Lab Wisely' initiative.

One of the major outcomes arising from this Lab Wisely collaboration are MLT-specific recommendations for CWC, which involved a lengthy development process that engaged several experts from across Canada. There are now two sets of seven approved recommendations. The first set, published in 2020, used a modified Delphi method with a large expert panel to identify and prioritize potential recommendations. The second set, published in 2024, used a more streamlined approach with a smaller panel of experts. While early CWC activities were centred around medical societies with physician practitioners, over time they have seen increased participation from non-physician and/or interprofessional societies. Our recommendations were developed to speak directly to the MLT scope of practice, identifying ways that they can influence better resource utilization. While the recommendations weren't without some level of controversy during the various approval processes, they represent tangible ways that MLTs can have a stronger voice in laboratory stewardship.

#### **The 2020 Recommendations:**

- 1. Don't collect more blood than what is needed. Use short draw tubes, consider add-on testing, and reduce or combine duplicate orders.*
- 2. Don't proceed with testing or reporting when sample quality or identification is suspect.*
- 3. Don't collect extra blood tubes in anticipation of test orders.*
- 4. Don't support repeat test ordering (re-testing) at a frequency that is not backed by evidence.*
- 5. Don't routinely repeat critical results for most common analytes before reporting.*
- 6. Don't support ordering system mechanisms that contribute to over-testing. Encourage the development of an evidence-based utilization management program that may include interventions such as unbundling order sets, reflex testing algorithms, and decision-support technology.*
- 7. Don't allow standing orders for repeat testing without a stop or review date.*

#### **The 2024 Recommendations:**

- 1. Don't recommend tests that are not in response to a specific clinical question.*
- 2. Don't collect specimens from patients approaching end-of-life if the results do not serve the patient's indicated therapy goals.*
- 3. Don't perform a manual differential on a complete blood count if a recent valid automated differential result remains unchanged.*
- 4. Don't process transfusion orders that do not adhere to best practices without discussing with the ordering clinician.*
- 5. Don't report results on tests with low specificity without alerting clinicians to the possibility of false positives.*

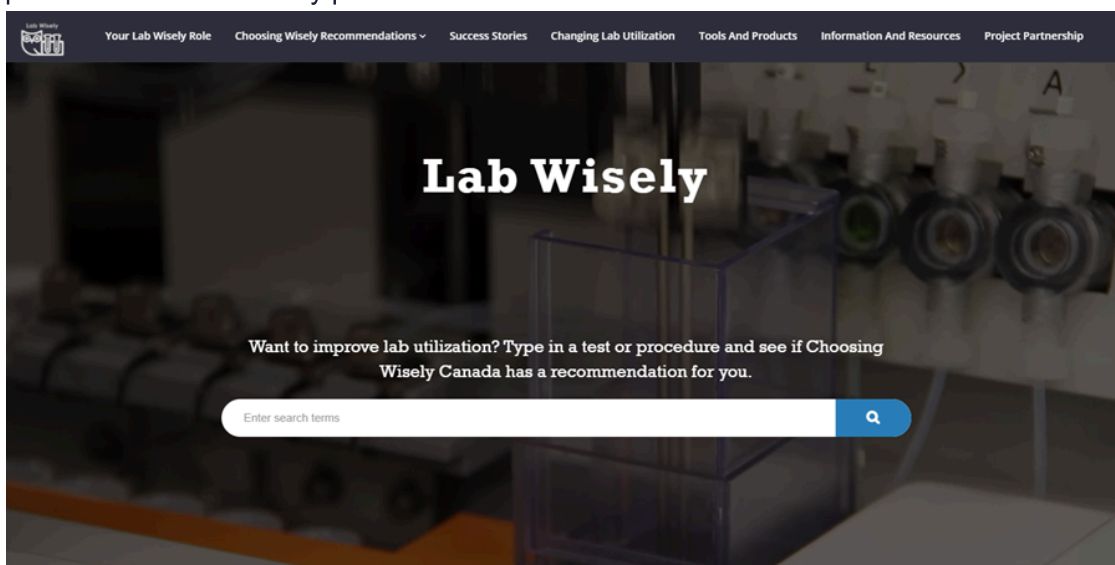
6. *Don't process urine culture orders for asymptomatic patients that lack appropriate indications from the ordering clinician.*
7. *Don't wake patients at night for phlebotomy for testing deemed safe by clinical teams to proceed in the morning.*

## **Lab Wisely Tools and Future Directions**

To support the implementation of the recommendations and more generally engage and empower laboratory professionals, we developed a comprehensive website ([www.labwisely.ca](http://www.labwisely.ca)) that offers a bilingual, searchable database of all CWC recommendations related to laboratory testing from all their medical society partners, which is over 200 total recommendations to date. The website also provides other various tools and resources, all designed to help MLTs adopt the recommendations and build skills in communication and advocacy.

Building on its success, our initiative has also received a 2023 and 2024 CWC society grant, which are offered to support uptake and promotion of the recommendations. In 2023/24, we developed a prototype of an online cost-estimator widget, where users can understand the potential savings from reducing inappropriate testing in several domains, including environmental and physical waste, labor, and consumable and capital costs. Our work for 2024/25 includes working with several Canadian healthcare organizations to validate the usability of the widget.

MLTs possess unique skills and insights that make them ideal teammates in smarter resource use. Whether it's helping to identify redundant collections or ensuring that guidelines are followed, MLTs are on the frontlines of healthcare diagnostics. Yet, they often face barriers like time constraints, heavy workloads, and short staffing. Additionally, they may not feel comfortable raising questions, fearing confrontation or the uncertainty of knowing whether their contributions will be welcome or meaningful. These are not insignificant barriers. Our team remains steadfast that addressing barriers and unlocking the potential of MLTs to contribute to stewardship is essential to long-term sustainable, patient-centred laboratory practices.



# New Appointments

## The Department welcomes:

- Dr. Woo Jo – Clinical Lecturer - Staff Pathologist, Red Deer
- Dr. Calvin Tseng – Clinical Lecturer – Dermatopathologist, APL Base Lab
- Dr. Idowu Joy Adekanmbi – Clinical Lecturer – General Pathologist, APL Base Lab
- Dr. Steve Loken – Clinical Lecturer – Anatomic Pathologist, APL Base Lab
- Dr. Jeremy Daniels – Assistant Clinical Professor – Anatomical Pathologist, APL Base Lab
- Dr. Rohan Mittal – Clinical Lecturer – Anatomical Pathologist, RAH

## New Appointments for Faculty/Clinical Faculty:

### Dr. Michael Mengel

- Director, Alberta Transplant Institute and AHS Chair in Transplantation

### Dr. Kim Solez

- Member, five person Safety Board (IDMC) for ARGX-113-2302 a new Argenx phase 2 study of Efgartigimod, an agent for treating antibody mediated rejection in kidney transplants, study extends to 2027

# Grants

### Dr. Jason Acker

- 2024 - 2026 Canadian Blood Services – Intramural Grant Program, “Facilitating RBC-mediated nitric oxide release and boosting antioxidant capacity during ex vivo heart perfusions as a strategy to improve oxygen delivery”, Principal Investigator; Co-Investigators: Darren Freed (Alberta Health Services / Univ. Alberta), \$377,977 total funding; \$160,000 to Acker Lab
- 2024 - 2025 Canadian Blood Services – Blood Efficiency Accelerator Award Program, “Hypothermic Storage as an Alternative to Irradiation of Red Cell Concentrates”, Principal Investigator; Co-Investigators: Gwen Clarke (Univ. Alberta), Susan Nahirniak (Alberta Provincial Laboratories / Univ. Alberta), Mackenzie Brandon-Coatham (CBS), Carly Olafson (CBS), \$30,000 total funding Publications

### Dr. Esmé Dijke

- CIHR Team Grant: Intervention Trial in Inflammation for Chronic Conditions - Evidence to Impact: “Allogeneic regulatory T cell therapy to prevent graft versus host disease (TITAN-01)”. Funding: \$2,000,000 total; period: September 1, 2024 - August 31, 2028; role: Principal co-applicant

### Dr. Andrei Drabovich

- Cancer Research Society/CIHR Operating grant, “Precision serology of prostate cancer”. PI: Drabovich, A., 2024-2026, \$130,000

### **Dr. Kim Solez**

· NIH Small Business grant with KitWare Inc, \$26,000 US One year, BANFF AUTOMATED NEPHROLOGY FEATURE FRAMEWORK - ARTIFICIAL INTELLIGENCE DIAGNOSIS, Sept 4, 2024 to August 31, 2025

## **Graduate Studies**

### **New Students**

We are pleased to welcome the following students:

- Juanjuan Fu, PhD - Fall 2024
- Xiaotian Ma, PhD - Fall 2024
- Skyler Ngo, MSc - Fall 2024
- Eileen Tang, MSc - Fall 2024
- Anthony Chiu MSc - Fall 2024
- Sarah McMahon, MSc TS - Fall 2024
- Emmanuel Thomas, MSc PA - Fall 2024
- Weijun Zhu, MSc PA - Fall 2024

### **Awards**

Congratulations to these students who received awards acknowledging their research and/or supporting their graduate programs:

Bell McLeod Educational Fund Graduate Entrance Scholarships in Fall 2024:

- Anthony Chiu
- Xiaotian Ma
- Sarah McMahon
- Skyler Ngo
- Eileen Tang

Bell McLeod Educational Fund Pathologists' Assistant Entrance Scholarship

- Emmanuel Thomas
- Weijun Zhu

HE Bell Scholarship

- Weijun Zhu

Postdoctoral Awards:

Med Star Award for Postdoctoral or Clinical Fellows

- Wei Feng

## Milestones

Congratulations to Jing Yang (Peter) Xu (supervisors Hongquan Zhang, Chris Le) who has successfully defended their PhD thesis, *Enzyme-Free, Isothermal Noncovalent DNA Catalytic Reactions* in July.

Congratulations to Chuquan (Cecilia) Shang (supervisor Raymond Lai) who has successfully defended their PhD thesis, *Study of Cancer Stemness in Contributing Intra-tumoral Heterogeneity in ALK-positive Anaplastic Large Cell Lymphoma* in August.

Congratulations to Taylor Walsh (supervisors Carmen Charlton, Gregory Tyrrell) who has successfully defended their MSc thesis, *Improving the diagnosis and linkage to care of chlamydia and gonorrhoea infection in prenatal females in Edmonton, Alberta* in September.

New LMP course-based MSc specialization in Molecular Diagnostics was officially approved by the Faculty of Graduate and Postdoctoral Studies Council on October 2.

## Welcome!

LMP Grad Program is very excited to announce our new Graduate Program Administrator, **Kim Thompson**. If the name sounds familiar to you, it is probably because you ran into Kim before in our department, as she served as the Medical Laboratory Science program's administrative assistant for five years, as well as helped organize our Departmental DRiVE Days. Kim Thompson is a graduate of the U of A ('14 BA), and has continued her part in the university administrative community since then, and we're very excited that she wants to expand her administrative expertise into the graduate student admin realm.



Please welcome **Kim** to our Graduate Program! Kim's office area is in 5-411 ECHA and you can email her at [impgrad@ualberta.ca](mailto:impgrad@ualberta.ca).



**Saira Syed** started as the Medical Laboratory Science (MLS) Program Administrative Assistant on September 16, 2024.

Saira brings several years of experience from various healthcare and academic settings, including the University of Alberta. Her career began with a Medical Transcription certification from SAIT in Calgary, followed by roles at the University Hospital, the Royal Alexandra Hospital, and Meadowlark Diagnostic Imaging. Later, she switched her field to Human Resources and gained some meaningful experience having worked as HR admin support at Royal Alexandra Hospital and further pursuing her studies to achieve an HR Diploma from MacEwan University. Her previous role was a Clinical Education Assistant, where she managed a Speech Clinic for MScSLP students over five semesters at the U of A.

Please welcome **Saira** to our MLS Program!

## 2024-25 LMP Residents



### UNIVERSITY OF ALBERTA

#### Department of Laboratory Medicine and Pathology



MEDICAL AND CLINICAL MICROBIOLOGY	DIAGNOSTIC AND MOLECULAR / CLINICAL PATHOLOGY	HEMATOLOGICAL PATHOLOGY
 Italo José Adrego MM R5	 David Purdy MM R5	 Rebecca Brasington DMP R5
 Sairah Umar MM R4/5	 Sivanshi Palanivelil MM R4/5	 David Kramer DMP R5
 Bosshi Choudhury MM R3/4	 Eneke Eweze DMP R1	 Saren Mikhal DCP R5
 Isha Anugra MM R3	 Nina Efstathiou DMP R4	 Becky Phillips DMP R3
 Anley Williams CM R3	 Lovejeet Bajwa DCP R3	 QingYun (Honey) Han HP R4
 Zhan (Cecilia) Shi MM R2	 Sundeen Baaran DMP R3	 Shuang (Candy) Niu HP R3
 Yuan (Shawn) Ju MM R1	 JJ Misiek DMP R3	 Charles Yin HP R3
	 Noah Paridell DMP R3	 Beau Bouliane HP R2
	 David Finlayson DMP R2	
	 Andrey Gorbunov DMP R2	
	 Alexander Szczotka DCP R2	
	 Jones Szewicki DMP R2	
	 Gabasa Samadi Kochakoraei HP R1	
	 Robina Hanna DCP R1	
	 Chibrenkoshe Be DCP R1	
	 David Marlowe DMP R1	
	 Orayuki (Yuki) Iwase DMP R1	

**RESIDENTS**  
**2024 - 2025**

## Save the Date!

DRIVE Days - April 25-26, 2025

Banff Pathology Course September 24-27, 2025





## Coming soon.....FoMD Workforce Census

**WHY:** Since our teaching, research and clinical activities take place in highly diverse communities (populations within Central and Northern Alberta) and because a diverse workforce contributes to varied ideas and perspectives, FoMD has committed to ensuring our leaders, faculty, staff and students represent the communities we serve.

The first FoMD workforce census was in 2018. The world has changed since 2018 and it is time to **count yourself in** (again) to help us fully inform our strategic plan, progress towards our social accountability mandate and to provide the medical school with required data to support accreditation.

**WHAT:** FIVE demographic questions

**WHO:** All FoMD faculty, staff, clinical faculty

**WHEN:** Late November

**HOW:** Survey link emailed from **FoMD Equity, Diversity & Inclusion Office**

Individuals can answer all, some or none of the questions

Completely **anonymous**

More information & FAQs

<https://tinyurl.com/2bknffv4>

**Questions:** contact Lisa Purdy

[fomdedi@ualberta.ca](mailto:fomdedi@ualberta.ca) or [lpurdy@ualberta.ca](mailto:lpurdy@ualberta.ca)



## Recent Presentations

### Dr. Ben Adam:

1. 2024 Banff-PITOR Joint Meeting, Paris, France, September 18, 2024: "Molecular profile of inflammatory burden on monitoring endomyocardial biopsies: Is the future upcoming?"
2. Sokoto-Alberta Kidney Transplant Seminar Series, Sokoto, Nigeria (virtual delivery), August 29, 2024: "Fundamentals of Native and Transplant Kidney Pathology"

### Dr. Fatimah Alturkistani:

1. Poster presented at the Canadian Association of Pathologist CAP-ACP Annual Meeting in Halifax July 5-7, 2024, Title of poster: "IgD myeloma, case report and review of literature", Authorship list: F. Alturkistani, R. Lai, **Awarded Best Poster in Hematological Pathology**

### Dr. David Beyer:

1. "Digital Pathology in Alberta: An Update on Our Provincial Digital Pathology Initiative." Digital Pathology AI Workshop 8.0, Association of Pathology Informatics (API), Toronto, Canada, Sept 16, 2024
2. "Elevating Cancer Pathology: EPIC LIS and CAP Synoptic Integration, The Alberta Advantage." College of American Pathology (CAP) Webinar, Sept 19, 2024

### Dr. Esmé Dijke

#### Abstracts:

1. Ivison S, MacDonald K, Sanderink L, Leung M, Mojibian M, Qing Huang J, Fung V, West L, Dijke E, Bleker E, Campbell A, Al Aklabi M, Kozuska J, Piat G, Hay K, Levings M., (2024). "Thymus-derived regulatory T cells as a universal off-the-shelf anti-inflammatory therapy: technology transfer in preparation for a phase I clinical trial", 26, S172-S173. Cytotherapy

### Dr. Andrei Drabovich:

1. Invited speaker. Talk: "The proteomic toolbox for identification, quantification, and characterization of polyclonal antibodies", 107th Canadian Chemistry Conference and Exhibition (CCCE2024), Winnipeg, MB, June 5, 2024
2. Invited speaker. Talk: "Identification, quantification, and characterization of human polyclonal

antibodies”, 66th International Conference on Analytical Sciences and Spectroscopy (ICASS2024),  
Niagara Falls, ON, June 28, 2024

**Dr. Steven Drews**

**Abstracts:**

1. “Parvovirus B19 but not hepatitis A nucleic acid test positivity rates in Canadian plasma donors are still reduced in the pandemic recovery period”. Drews, S.J., Carmen, C., O’Brien, S.F., Burugu, S., Denomme, G. ISBT, Barcelona, Spain. June 23-27, 2024.

**Presentations:**

1. “Parasitology Subgroup Update.” ISBT TTID Working Party annual & subgroups meeting. ISBT, Barcelona, Spain, June 23, 2024
2. “ISBT parasitology subgroup project pitch session” with Evan Bloch, ISBT TTID Working Party annual & subgroups meeting, Concurrent Session 2, Parasites, ISBT, Barcelona, Spain, June 23, 2024
3. Session Moderator, PA21 - “Transfusion associated agents - new findings to bug you”. ISBT, Barcelona, Spain, June 23, 2024
4. “Climate change and parasites: Bugs on the move” ISBT, Barcelona, Spain, June 23, 2024
5. Moderator PA28 - “Revisiting the big three viral TTI”, ISBT, Barcelona, Spain, June 27, 2024
6. “28 years of hepatitis C monitoring: Blood donors lend insight into the low-risk undiagnosed population”, with S. O’Brien and Behr Ehsani-Moghaddam, ISBT, Barcelona, Spain, June 27, 2024
7. “Monitoring infectious diseases safety: The Canadian perspective, AABB EID Education Session”, AABB Hot Topic Discussion: Ensuring Blood Safety and Protecting Public Health: Navigating Emerging Infectious Diseases (24EL-462), Virtual, August 7, 2024
8. Summary and Questions/Answers on Lewin A, Tonnetti L, Renaud C, Drews SJ, Bloch EM, O’Brien SF; Parasite and Surveillance Risk Assessment and Policy Subgroups of the ISBT Working Party on Transfusion-Transmitted Infectious Diseases. “Deferral of blood donors who have ever stayed in a *Trypanosoma cruzi* endemic area: An international survey”. *Vox Sang.* 2024 Jun 13. doi: 10.1111/vox.13692. European Blood Alliance Emerging Infectious Diseases group meeting, virtual, July 29, 2024
9. “Identifying test characteristics of the Malaria NAT at Canadian Blood Services in the absence of an agreed upon gold standard.” Drews SJ and Charlton, C. Virtual, Roche Transfusion Medicine. August 15, 2024
10. “What Canadian Blood Services physicians and microbiologists need to know about Babesia surveillance Canadian Blood Services Physician Meeting.” Steven Drews, Carmen Charlton, and Mark Bigham. Virtual, Canadian Blood Services MD meeting, July 25, 2024
11. “Emerging infectious diseases update,” with Mindy Goldman, Isra Levy, Chantale Pambrun. August 20, 2024, Virtual, Canadian Blood Services Executive Team
12. “Asymptomatic West Nile virus prevalence amongst Canadian blood donors compared to clinically reported cases across Canada.” Medical Services and Hospital Relations Team, Virtual, September 09, 2024
13. “Update on emerging pathogens and blood safety.” Canadian Blood Services Scientific, Research and Ethics Committee with Isra Levy and Chantale Pambrun. Online September 09, 2024
14. “Ottawa invocation laboratory” Canadian Blood Services Transmissible Diseases Laboratory Managers Calgary, September 17, 2024
15. “Confirmatory testing” Canadian Blood Services Transmissible Diseases Laboratory Staff Calgary, September 18, 2024

**Dr. Janet Elliott:**

1. Julia H. Grenke (Oral presenter), Janet A. W. Elliott, “Correlations for thermodynamic properties of liquid water under low-temperatures and high-pressures and its application for multicomponent solutions in isochoric cryopreservation”, Society for Cryobiology Annual Meeting, July 23, 2024, Washington, DC, USA.

2. Leah A. Marquez-Curtis (Poster presenter), Lanah Mohammed, Janet A. W. Elliott, "Improved cryopreservation and post-thaw assessment of human cerebral microvascular endothelial cells", Society for Cryobiology Annual Meeting, July 23-25, 2024, Washington, DC, USA.
3. Mohammadhamed Shahsavari (Poster presenter), Janet A. W. Elliott and Nadr M. Jomha, "Comparing two different vitrification protocols for human talus cryopreservation", Society for Cryobiology Annual Meeting, July 23-25, 2024, Washington, DC, USA.
4. Mohammadhamed Shahsavari (Poster presenter), Janet A. W. Elliott and Nadr M. Jomha, "Efficient multi-cryoprotectant loading protocols for vitrification of human articular cartilage", Society for Cryobiology Annual Meeting, July 23-25, 2024, Washington, DC, USA.
5. Mohammadhamed Shahsavari (Poster presenter), Korinne M. Tirones, Marggi A. Patel, Janet A. W. Elliott and Nadr M. Jomha, "The effects of vitrification protocol lengths and loading strategies on femoral condyle cryopreservation", Society for Cryobiology Annual Meeting, July 23-25, 2024, Washington, DC, USA.
6. Janet A. W. Elliott (Invited Speaker), "Introduction to Cryobiology" Society for Cryobiology Annual Meeting, July 23-25, 2024, Washington, DC, USA.

#### **Dr. Victoria Higgins**

1. Victoria Higgins, Angela Fung, Jieli Li, Catherine Omosule, Miranda Brun, Heather Paul, Jennifer Taher. "Development of A Novel Tool That Makes Clinical Chemistry CliCK". Joint CSCC-SBQC Conference. Mont Sainte-Anne, Quebec. June 16-19, 2024
2. Victoria Higgins, Daniel Beriault, Vipin Bhayana, Ronald A. Booth, Yu Chen, Jessica L. Gifford, Ashley Newbigging, Lily Olayinka, Michelle L. Parker, Karina Rodriguez-Capote, Raphael Schneider. "Harmonization of Cerebrospinal Fluid Oligoclonal Banding Reporting". Joint CSCC-SBQC Conference. Mont Sainte-Anne, Quebec. June 16-19, 2024

#### **Dr. Amir Landi:**

1. Meeting: ME/CFS Research Network 2024 Investigator Meeting, June 11-12, 2024, Columbia University, NY, USA, Title (Oral Presentation): "Immune-related transcriptome profiles of PBMCs in myalgic encephalitis" Speaker: Dr. Amir Landi, MD, PhD, Collaborators/Authors: Landi, A., Franco, A., Elremaly, W., Caraus, I., Adam, B. A, Moreau, A., Houghton, M.

#### **Dr. Judy Qiu**

##### **Abstracts:**

1. Qiu JY, Bhavanam S, Lee BE, Hrudehy S, Hubert CRJ, Frankowski K, Parkins MD, Tipples G, Pang XL. "A 3-year longitudinal wastewater surveillance study for tracking gastroenteritis viruses prevalence in communities across Alberta, Canada". 8th International Society for Food and Environmental Virology conference, Tokyo, Japan, June 2024
2. Nyblade C, Lavoie L, King B, Aboezz Z, Zhou P, Yang ZH, Agbemabiese CA, Wales S, Parreño V, Qiu JY, Yuan LJ. "A GII.6 strain of human norovirus is infectious in neonatal and 33-day-old gnotobiotic pig". American Society for Virology 43rd Annual Meeting, Columbus, USA, June 2024

#### **Dr. Josh Raizman:**

1. "Seeing beyond the hue: Impact of hydroxocobalamin (Cyanokit) interference on laboratory tests in patients with smoke inhalation injuries" – Covenant Health Research Centre Lunch & Learn, September 27, 2024

##### **Abstracts:**

1. Henderson M, Barakauskas V, Udayasankar U, Amyot J, Bailey D, Dijian R, Fu L, Gilbert LA, Jun B, Langman L, Lavoie S, Lexhous M, Levesque MH, Oleschuk C, Orton D, Petryayeva E, Raizman JE, Robitaille R, Rodriguez-Capote K, Seiden-Long I, Taher J, and Truong D. "A Modern Syllabus for Clinical Biochemistry Training in Canada", Presented at the Canadian Society of Clinical Chemists Conference, June 16-19, 2024, Mont Sainte-Anne, Quebec, Canada

2. Tsui AKY, Ngan E, Goudreau BL, Brun M, Ismail O, and Raizman JE. "Does the Reichert Unistat Bilirubinometer meet expectations for hemolysis resistance in neonates?" Presented at the Canadian Society of Clinical Chemists Conference, June 16-19, 2024, Mont Sainte-Anne, Quebec, Canada
3. Rowe, B., Yang, E., Doran, S., Graham, M., van Diepen, S., Raizman, J. and Tsui, A. (2024) "The role of emergency department crowding on the implementation of efficiency strategies to improve care for adult patients presenting with chest pain"., International Journal of Population Data Science, 9(5). Presented at the International Population Data Linkage Network Conference, September 15-18, 2024, Chicago, Illinois, USA

**Dr. Kim Solez:**

1. Presentation at Banff-PITOR 2024 Meeting in Paris: Kim Solez: "Application of Regenerative Medicine to Vascularized Composite Allografts" Sept 18 2024 <https://www.youtube.com/watch?v=LVLDFiog7RU>

## Recent Publications

**Dr. Jason Acker:**

1. Olafson, C., Ison, T., Pote, C., \*William, N., \*Patel, P., Clarke, G. and Acker, J.P."Shipment of glycerolized RBC segments for red cell concentrate compatibility testing. Biobanking and Biopreservation (2024)
2. Isiksacan, Z., \*William, N., Senturk, R., Boudreau, L., Wooning, C., Castellanos, E., Isiksacan, S., Yarmush, M.L., Acker, J.P. and Usta, O.B. "Supercooled storage of red blood cells in antioxidant supplemented hypothermic additive solutions". Communications Reports (2024)
3. \*Li, W., Liu, Y., Lucier, K.J., Heddle, N.M. and Acker, J.P. "The effect of donor and recipient sex on sepsis rates and hemoglobin increment among" eJHaem (2024)
4. \*Yazdanbakhsh, M., \*Phan, C., \*William, N. and Acker, J.P. "RBC subpopulations in RCCs affected by donor factors. Transfusion and Apheresis Science (2024)
5. \*Yazdanbakhsh, M., Eid, H., Acker, J.P., Bar Am, N. Cheung, P-Y., Dotchin, S.A. and Rabi, Y. "Biological age of adult red blood cells affects hemoglobin-oxygen affinity changes in neonatal cord blood". Pediatric Research (2024)

**Editorial:**

1. Acker, J.P. "Editorial: Advancing the cryopreservation of cells, tissues and organs using model biological systems". Cryobiology (2024). [doi.org/10.1016/j.cryobiol.2024.104975](https://doi.org/10.1016/j.cryobiol.2024.104975)

**Dr. Ben Adam**

**Peer-reviewed papers:**

1. Buxeda A, Crespo M, Chamoun B, Gimeno J, Torres IB, Redondo-Pachón D, Riera M, Burballa C, Pascual J, Mengel M, Pérez-Sáez MJ, Adam BA. "Clinical and molecular spectrum of v-lesion". Am J Transplant. 2024 Jul 29:S1600-6135(24)00448-9. doi: 10.1016/j.ajt.2024.07.025. Online ahead of print. PMID: 39084462. [IF 9.369]
2. Mookerji N, Pfanner T, Hui A, Huang G, Albers P, Mittal R, Broomfield S, Dean L, St. Martin B, Jacobsen N, Evans H, Gao Y, Dromparis P, Felipe Lima J, Bismar T, Michelakis E, Sutendra G, Wuest F, Tu W, Adam BA, Fung C, Tamm A, Kinnaird A. "18F-PSMA-1007 PET/CT Versus Multiparametric MRI for the Locoregional Staging of Prostate Cancer: A Phase II Prospective Validating Paired-Cohort Trial". JAMA Oncol. 2024 Aug 1;10(8):1097-1103. PMID: 38949926. [IF 28.400]
3. Daniel M, Salman S, Adam BA. "Disseminated Nocardia Cyriacigeorgica Infection Disguised as a Metastatic Adrenal Gland Malignancy in a Healthy Patient". Cureus. 2024 Jul 2. 16(7):e63693. PMID: 38957514. [IF 1.200]
4. Rabant M, Adam BA, Aubert O, Bohmig GA, Clahsen Van-Groningen M, Cornell LD, de Vries APJ, Huang E, Kozakowski N, Perkowska-Ptasinska A, Riella LV, Rosales IA, Schinstock C, Simmonds N, Thunat O, Willicombe M. "Banff 2022 Kidney Commentary: Reflections and Future Directions".

### **Dr. Steven Drews**

#### **Manuscripts:**

1. Lewin A, Tonnetti L, Renaud C, Drews SJ, Bloch EM, O'Brien SF; Parasite and Surveillance Risk Assessment and Policy Subgroups of the ISBT Working Party on Transfusion-Transmitted Infectious Diseases. "Deferral of blood donors who have ever stayed in a *Trypanosoma cruzi* endemic area: An international survey". *Vox Sang*. 2024 Jun 13. doi: 10.1111/vox.13692. Epub ahead of print. PMID: 38872389
2. O'Brien, S.F., Asamoah-Boaheng, M., Grunau, B., Krajden, M., Buckeridge, D.L., Goldfarb, D.M., Anderson, M., Germain, M., Brown, P., Stein, D.R., Kandola, K., Tipples, G., Awadalla, P., Lang, A., Behl, L., Fitzpatrick, T., Drews, S.J. "Canada's approach to SARS-CoV-2 sero-surveillance: Lessons learned for routine surveillance and future pandemics". *Can J Public Health*. 2024 Jul 9. doi: 10.17269/s41997-024-00901-w. Epub ahead of print. PMID: 38981961
3. Drews, S.J., Charlton, C., Tran, V., Zhou, H.Y., Hawes, G., Resz, I., O'Brien, S.F. "Higher rates of laboratory-confirmed cases of syphilis in Western Canadian blood donors compared with Eastern Canadian blood donors following a period of societal re-opening". *Vox Sang*. 2024 Jul 24. doi: 10.1111/vox.13715. Epub ahead of print. PMID: 39048113
4. O'Brien, S.F., Ehsani-Moghaddam, B., Osmond, L., Fan, W., Goldman, M., Drews, S.J. "Epidemiology of Hepatitis C over 28 years of monitoring Canadian blood donors: Insight into a low-risk undiagnosed population". *BMC Public Health*. 2024 Aug 27;24(1):2319. doi: 10.1186/s12889-024-19790-2. PMID: 39192303

### **Dr. Janet Elliott**

#### **Peer-reviewed journal papers:**

1. Elham Ashrafi, Dominic Sauvageau, Janet A.W. Elliott, "Effects of different cryopreservation parameters on the differences between trypan blue and fluorescent SYTO 13/GelRed assays", *Cryobiology* 116, Article No.: 104883 (2024), <https://doi.org/10.1016/j.cryobiol.2024.104883>
2. Noor Abdelwahab, Mohammadhamed Shahsavari, Kezhou Wu, Leila Laouar, Tamara D. Skene-Arnold, Janet A. W. Elliott, Nadr M. Jomha, "Effect of storage media on chondrocyte viability during cold storage of osteochondral dowels", *Cell Tissue Bank* 25, 485–491 (2024). <https://doi-org.login.ezproxy.library.ualberta.ca/10.1007/s10561-023-10104-1>
3. Shannon Clark, Sergio Enrique Tapia Lishner, Leah A. Marquez-Curtis, Janet A.W. Elliott, "Using a triphasic model to describe the permeation of dimethyl sulfoxide in porcine corneal discs," *Cryobiology* 117, Article No.:104940 (2024) <https://doi.org/10.1016/j.cryobiol.2024.104940>

### **Dr. Ruwandi Kariyawasam**

#### **Peer-reviewed publications:**

1. [Spectrum of bacterial pathogens in inflammatory and noninflammatory cutaneous ulcers of American tegumentary leishmaniasis - PubMed \(nih.gov\)](#) Ruwandi Kariyawasam, Bryan Gascon, Priyanka Challa, Jordan Mah, Rachel Lau, Braulio M. Valencia, Alejandro Llanos-Cuentas, Andrea K Boggild "Spectrum of bacterial pathogens in inflammatory and noninflammatory cutaneous ulcers of American tegumentary leishmaniasis", *Therapeutic Advances in Infectious Diseases*, 2024, 11, doi: [10.1177/20499361241274200](https://doi.org/10.1177/20499361241274200)

### **Ms. Roberta Martindale:**

1. Martindale, Roberta. Invited Interview by Jessica Allerton, *A Treasure Trove of Pathology*, 29 Aug. 2024, <https://thepathologist.com/outside-the-lab/a-treasure-trove-of-pathology>.

**Dr. Michael Mengel****Peer-reviewed publications:**

1. Mengel M, Mannon RB. "No Time for Cancel Culture: The Importance of Banff Pathology Criteria and Clinical Outcomes". *J Am Soc Nephrol*. 2024, Jul 1;35(7):829-832.
2. Giarraputo A, Goutaudier V, Robin B, Angelini A, Sablik M, Aubert O, Rosales IA, Smith RN, Roufosse C, Adam B, Haas M, Colvin RB, Lefaucheur C, Mengel M, Zielinski D, Loupy A. "Relevance of the Banff Human Organ Transplant Consensus Gene Panel for Detecting Antibody and T-Cell-Mediated Rejection of Kidney Allografts". *Kidney Int Rep*. 2024 May 4;9(7):2290-2294.
3. Buxeda A, Crespo M, Chamoun B, Gimeno J, Torres IB, Redondo-Pachón D, Riera M, Burballa C, Pascual J, Mengel M, Adam BA, Pérez-Sáez MJ. "Clinical and molecular spectrum of v-lesion". *Am J Transplant*. 2024 Jul 29:S1600-6135(24)00448-9.

**Dr. Susan Nahirniak:**

1. Hua Q, Lyon BW, Duke J, Felske A, Hobbs K, Holman R, Radwi G, Sidhu D, Clarke G, Nahirniak S. "Isohemagglutinin titration in pooled and apheresis platelets". *Transfusion*. 2024 Jul;64(7):1279-1286. doi: 10.1111/trf.17873. Epub 2024 May 25. PMID: 38795022

**Dr. Judy Qiu****Peer-reviewed paper:**

1. Pang X, Lee BE, Gao T, Rosychuk RJ, Immaraj L, Qiu JY, Wen J, Zelyas N, Howden K, Wallace J, Risling E, Little LA, Kim J, Wood H, Robinson A, Parkins M, Hubert CRJ, Frankowski K, Hrudehy SE, Sikora C. "Early warning COVID-19 outbreak in long-term care facilities using wastewater surveillance: correlation, prediction, and interaction with clinical and serological statuses". *Lancet Microbe*. 2024 Aug 22:100894. doi: 10.1016/S2666-5247(24)00126-5

**Dr. Josh Raizman:**

1. Beaulieu C, Wu KY, Füzéry AK, Raizman JE, Tsui AKY, Ye C, Basappa NS, Gyenes GT, Koshman SL. "Elevated Troponin T in Immune-Checkpoint Inhibitor Myositis: A Case of Mistaken Myocarditis". *JACC Case Rep*. 2024 Aug 21;29(16):102462
2. Orton DJ, Gifford JL, Raizman JE, Pearson GJ, Tsui AKY. "Increased Lp(a) Workload Volumes Reflect Uptake of the 2021 Canadian Cardiovascular Society Guidelines for Management of Dyslipidemia". *Can J Cardiol*. 2024 Sep;40(9):1603-1605

**Dr. Kim Solez:**

1. Solez, Kim, "Prognostication from Kidney Transplant Biopsies: 90 Years of Dynamic Alien Landscape Forward and Back" *Kidney* 360 5: 1232–1234, <https://doi.org/10.34067/KID.0000000000000534>

**Dr. Elona Turley****Peer-reviewed paper:**

1. Yin C, Turley E, Livingston J. "Identification of a novel MYH9-related disease-associated mutation with multiple faintly staining Döhle-like bodies." *Pediatr Blood Cancer*. 2024 Sep;71(9):e31183



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