

Créer des ponts
entre les communautés
transfusionnelles

2024 | Saskatoon SCMT | CONGRÈS ANNUEL



Bridging
Transfusion
Communities

2024 | Saskatoon CSTM | ANNUAL CONFERENCE



Canadian
Blood
Services

Société
canadienne
du sang

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LAND ACKNOWLEDGEMENT

We acknowledge we are on Treaty 6 Territory and the Homeland of the Métis. We pay our respect to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another.

Federation of Sovereign Indigenous Nations (FSIN)

The Federation represents 74 First Nations in Saskatchewan. They are committed to honoring the spirit and intent of the Treaties, as well as the promotion, protection and implementation of the Treaty promises that were made more than a century ago. For more information, please visit: <https://www.fsin.ca/>

We are pleased to welcome First Vice Chief of the Federation of Sovereign Indigenous Nations, David Pratt to bring greetings to CSTM attendees on behalf of the FSIN.

Metis Nation of Saskatchewan (MN-S)

Métis Nation-Saskatchewan (MN-S) is a government that represents Métis citizens in Saskatchewan. The Metis Nation Legislative Assembly (MNLA) is the governing authority of MN-S, made up of the Presidents of Métis Locals and the Provincial Métis Council. The MNLA has the authority to enact legislation, regulations, rules and resolutions governing the affairs and conduct of the Métis in Saskatchewan. For more information, please visit: <https://metisnationsk.com/about-metis/#what>

We are pleased to welcome President Glen McCallum to bring greetings to CSTM attendees on behalf of the MN-S.



MESSAGE FROM THE MAYOR



OFFICE OF THE MAYOR

On behalf of Saskatoon City Council, I would like to welcome the Canadian Society of Transfusion Medicine: Annual Conference to Treaty 6 Territory and the homeland of the Métis for the Canadian Society of Transfusion Medicine: Annual Conference.

Saskatoon is home to a strong life science research community looking at ways to innovate and develop excellence. Your work, across fields of transfusion like lab techs, blood operations staff, physicians, nurses, specialists and scientists, is essential in supporting high-quality health standards which keeps residents and communities healthy.

It's wonderful to have so many of you joining us from across the country and internationally as well! I hope you are able to take in some of our attractions during your stay here, such as the beautiful Meewasin river valley, the Remai Modern Art Gallery, Wanuskewin Heritage Park, a show at one of our many theatres and arts venues, a meal at a local restaurant, or some shopping at our unique stores and shopping districts.

I wish you all the best as you gather to learn with one another and continue to make important contributions to your communities.

Sincerely,

Charlie Clark
Mayor



MESSAGE FROM THE CSTM



Dear CSTM Members,

2023 has passed and we feel a renewed sense of positivity and enthusiasm for the future of CSTM as conference attendance and volunteer opportunities have rebounded after a tough start to the decade.

The Saskatoon organizing committee has been hard at work pulling together an amazing program and planned some fantastic social events for the annual scientific conference May 23-26, 2024. The theme **“Bridging Transfusion Communities”** endeavors to demonstrate our ability to rebuild and move forward, bridging the gaps between the communities we serve as Transfusion Medicine professionals, bringing together the best and brightest to share new research, best practices, and new ways to do the work we do every day, all while supporting the clinical teams and patients in the best possible way. The CSTM board is truly honored to support this gathering opportunity to celebrate our efforts!

In 2023, CSTM hosted 2 virtual Education Days. Our July event focused on trauma in rural settings and the early November event had a fun Halloween theme, blood spatter and massive hemorrhage. The goal for Education Days is to provide virtual content facilitating more educational opportunities for our members. The webinars are available for members on the CSTM website for viewing at any time. CSTM is also working with sponsors to develop educational content that will provide additional access to Transfusion Medicine resources.

We are so grateful to our sponsors who continue to support the CSTM Annual Conference and other CSTM activities such as our website, awards, and bursaries for the conference. The sponsorship funding is critical to the activities of our committees allowing them to produce resources such as the CSTM Standards and guidance statements, develop and undertake pediatric and obstetrical transfusion projects, and form networks of transfusion medicine specialists from across Canada who are available to answer questions from our membership and website visitors.

The CSTM Committees and Working Groups continue to meet and work throughout the year. The on-going CSTM committees are:

- The Annual Conference Standing Committees and working groups
- The local Conference Organizing Committee
- The Canadian Obstetric and Pediatric Transfusion Network
- The Communications Committee
- The CSTM Standards Committee
- The Education Committee
- The Specialization in Transfusion Science Committee
- The Sponsorship Committee

The Transfusion Safety Network

Please consider volunteering for one of our many committees and working groups. It is a wonderful way to develop your network across the country and give back to the transfusion medicine community. Complete a volunteer application at <https://www.transfusion.ca/Members/Board/Volunteers>

CSTM engages its membership and public through multiple channels. The website reaches over 1,000 users per month, with just over half of the visitors viewing from Canada, and just over a quarter of the viewers joining from the United States. On social media, CSTM connects and shares updates, news, and resources on LinkedIn, X (formally Twitter), Instagram, and Facebook to a worldwide audience. CSTM provides the engaging monthly newsletter **CSTM Communique** to members and member-only resource section on its website, as well as access to the CSTM Standards. The CSTM Connect mailing list does not require a membership to join and it provides an opportunity for questions and answers from its current community of over 200 participants. Continue to look for the monthly updates and send all your Transfusion Medicine related questions to the CSTM Connect email list.

On behalf of the CSTM board, I welcome you to the annual conference in Saskatoon and thank you for being part of the finest community of transfusion medicine professionals!

Joanna McCarthy
CSTM President



MESSAGE FROM CANADIAN BLOOD SERVICES



1800 Alta Vista Drive
Ottawa ON K1G 4J5
blood.ca

Colleagues,

Welcome to the 2024 Canadian Society for Transfusion Medicine (CSTM) conference here in the city of bridges, Saskatoon.

We are so proud to be here and to be sponsoring this event alongside Héma-Québec. This is an important annual opportunity for transfusion medical professionals to come together to learn, collaborate and hopefully impact the future of our field for the benefit of patients. Thank you all for attending, whether you are presenting, gathering information or connecting with colleagues there is so much value in us coming together.

One person who has always seen the benefit of learning from one another and supporting new scientists and researchers embarking on careers in this industry is Dr. Dana Devine. Dana started with Canadian Blood Services at the very beginning in 1998. She was serving as our chief scientist at the time of her retirement, and is internationally renowned for her leadership in transfusion science. Dana has recently retired and is not attending the conference this year, but I wanted to take the opportunity to announce that, in partnership with CSTM, we have created an award in her honour.

The first recipient of the Canadian Blood Services Dana Devine Award will be revealed at this year's conference. We are excited to be launching this special way of honouring a cherished colleague, generous mentor and invaluable contributor to transfusion medicine. Thank you to those who applied and I look forward to celebrating the first recipient.

As well as launching a new award this year, Canadian Blood Services has recently published our refreshed Strategic Plan 2024+. Our plan focuses on enhancing products and services, growing our donor and registrant base, supporting our employees and investing in digital and physical infrastructure. We are certain this new plan will support our work into the future and, not surprisingly, notice alignment between our strategic priorities and many of the presentations we will be seeing over the course of the next few days. Presentations that will most certainly advance our understanding of the issues we collectively need to address in our delivery of value to patients, donors and health systems.

As everyone attending this conference knows, advancements in our field are moving quickly. It's our job as professionals to arm ourselves with as much knowledge as possible to ensure available advancements are put to use to enhance product safety, improve patient outcomes or increase our ability to carry out transfusion medicine effectively, efficiently and safely. That's why it's so gratifying to see so many people here investing in their own professional awareness for the betterment of our field as a whole.

I'm grateful as CEO to be leading Canadian Blood Services through this next chapter of our work and look forward to collaborating with the brilliant minds at this conference and beyond for many years to come.

Sincerely,

Dr. Graham Sher, O.C.
CEO
Canadian Blood Services



MESSAGE FROM HÉMA-QUÉBEC



Remarks from Héma-Québec's President and Chief Executive Officer

Héma-Québec is so pleased to be here for the Canadian Society for Transfusion Medicine Conference. Each year, this conference is an incredible opportunity for us all not only to come together as colleagues, but also to get to know a new corner of Canada. Saskatoon is sure to produce real insights into the exciting challenges awaiting us in the years to come!

This year's theme says it all: *Bridging Transfusion Communities*. We will only overcome the challenges facing us by collaborating, exchanging ideas, supporting one another, listening and opening up to new perspectives. That is the mindset behind this conference, and behind everything Héma-Québec does in pursuit of its mission.

The conference's scientific agenda reflects the ambition and scope of all of our collective work—from research to questions of clinical practice to transfusion medicine-related social issues, like consent and resource shortages. These topics serve as a reminder that while our work may be in a cutting-edge field, it also has a direct, real-world impact on people's day-to-day relationships. It's closely tied to their greatest hopes and fears, since what's at stake is their and their loved ones' health. What we do changes people's lives—and that is what makes it so compelling and rewarding!

This incredible conference never fails to produce thought-provoking discussions and presentations. I hope you all walk away from this event with new insights and inspiration. Enjoy the conference!

Nathalie Fagnan, CPA, ICD.D
President and CEO
Héma-Québec



REGISTRATION INFORMATION

For any questions or further information during the event, there will be support staff wearing white scarves bearing the Saskatoon Conference logo and the words “**Sask Me**” who will be happy to assist.

Registration Desk

To pick up your name badge and complementary material, visit the Registration Desk, located at TCU Place lobby.

Speaker Ready Room

The Speaker Ready Room is located in **Gallery Suite II on the Main Floor of TCU Place**. Speakers and moderators are encouraged to visit the Speaker Ready Room at least 15 minutes before the start time of their session.

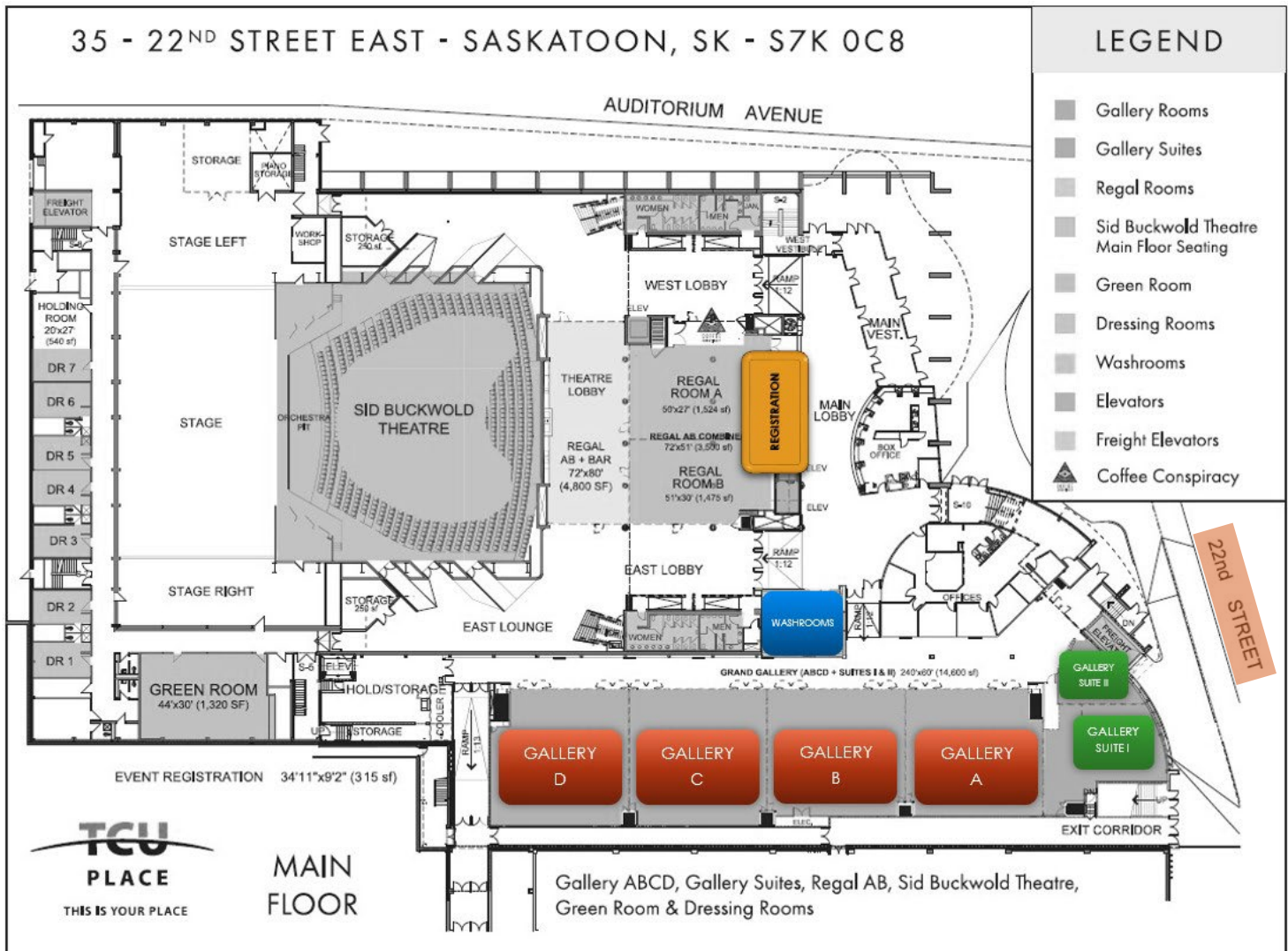
Hours of Service – Registration Desk and Speaker Ready Room

Thursday May 23	0700-1700
Friday May 24	0700-1700
Saturday May 25	0700-1700
Sunday May 26	0700-1200

FLOOR PLAN

TCU PLACE MAIN FLOOR

PLEASE NOTE: THE ONLY ENTRANCE IS LOCATED ON 22nd STREET



FLOOR PLAN TCU PLACE UPPER LEVEL

CONFERENCE AT A GLANCE

THURSDAY MAY 23 WORKSHOPS

0700-1700	REGISTRATION	Main Floor Lobby
0800-1700	SPEAKER READY ROOM	Gallery Suite II – Main Floor
0730-0830	BREAKFAST	Gallery AB – Main Floor
0830-1000	Nightmares in Transfusion Medicine Workshop	Gallery C – Main Floor
	Blood Transportation / Storage Container Validations Workshop	Gallery D – Main Floor
1000-1030	BREAK	Gallery AB – Main Floor
1030-1200	Transfusion Reactions: Febrile Reactions Workshop	Gallery C – Main Floor
	Molecular Testing in Transfusion Medicine Workshop	Gallery D – Main Floor
1200-1330	LUNCH	Gallery AB- Main Floor
1330-1500	Complex Serological Case Studies Workshop	Gallery C – Main Floor
	Obtaining Blood Transfusion Consent Workshop	Gallery D – Main Floor
1500-1530	BREAK	Gallery AB – Main Floor
1530-1700	Platelet Transfusion and the Neuraxial System Workshop	Gallery C – Main Floor
	Resource Shortage Management Hospital Perspective & Impacts Workshop	Gallery D – Main Floor
1800-2000	PRESIDENT’S RECEPTION	Remai Gallery – 102 Spadina Crescent E

FRIDAY MAY 24 SCIENTIFIC PROGRAM

0630	CSTM 2024 FUN RUN/WALK	Meet in the lobby of TCU place
0700-1000	REGISTRATION DESK	Main Floor Lobby
0800-1700	SPEAKER READY ROOM	Gallery Suite II – Main Floor
0730-0830	BREAKFAST	Gallery AB – Main Floor
0830-1000	Opening Remarks Keynote Address - Healing After Trauma	Salon CD - Upper Floor
1000-1030	BREAK	Salon AB - Upper Floor
1030-1200	Blood Health & Anemia Management	Salon CD - Upper Floor
	Standing Updates – NAC, CCNMT, CSTM Standards	Gallery C - Main Floor
1200-1330	LUNCH	Salon AB - Upper Floor
1330-1500	Selected Oral Abstracts Scientific	Gallery C - Main Floor
	RhD Status in the Perinatal Patient	Salon CD - Upper Floor
1500-1530	BREAK	Salon AB - Upper Floor
1530-1700	Selected Oral Abstracts Clinical	Gallery C - Main Floor
	Blood Supply Sustainability	Salon CD - Upper Floor
1700-1800	POSTER VIEWING WITH AUTHORS	Salon E – Upper Floor
1730-1930	EXHIBITORS RECEPTION	Salon AB - Upper Floor

SATURDAY MAY 25 SCIENTIFIC PROGRAM

0700-1000	REGISTRATION DESK	Main Floor Lobby
0800-1700	SPEAKER READY ROOM	Gallery Suite II - Main Floor
0730-0830	BREAKFAST	Salon CD - Upper Floor
0730-0830	Plenary Session: Presentation of CSTM Blum Award, Grifols Bursary in Honor of Pat Letendre, CSTM Legacy Speaker Bursary and CSL Behring Nursing Bursary	Salon CD - Upper Floor
0830-1000	Plenary Session: <ul style="list-style-type: none"> • QuidelOrtho Award Lecture • CSTM Buchanan Award Lecture • CBS Dana Devine Award Lecture 	Salon CD - Upper Floor
1000-1030	BREAK	Salon AB - Upper Floor
1030-1200	NAC Whole Blood Recommendations	Salon CD - Upper Floor
	Immune Deficiency & Special Transfusion Considerations	Gallery C – Main Floor
1200-1330	LUNCH	Salon AB - Upper Floor
1330-1500	COPTN & TSN Session	Salon CD - Upper Floor
	Donor Characteristics & Transfusion Safety	Gallery C - Main Floor
1500-1530	BREAK	Salon AB - Upper Floor
1530-1700	Plenary Session: Hemovigilance	Salon CD - Upper Floor
	CORPORATE NIGHT	

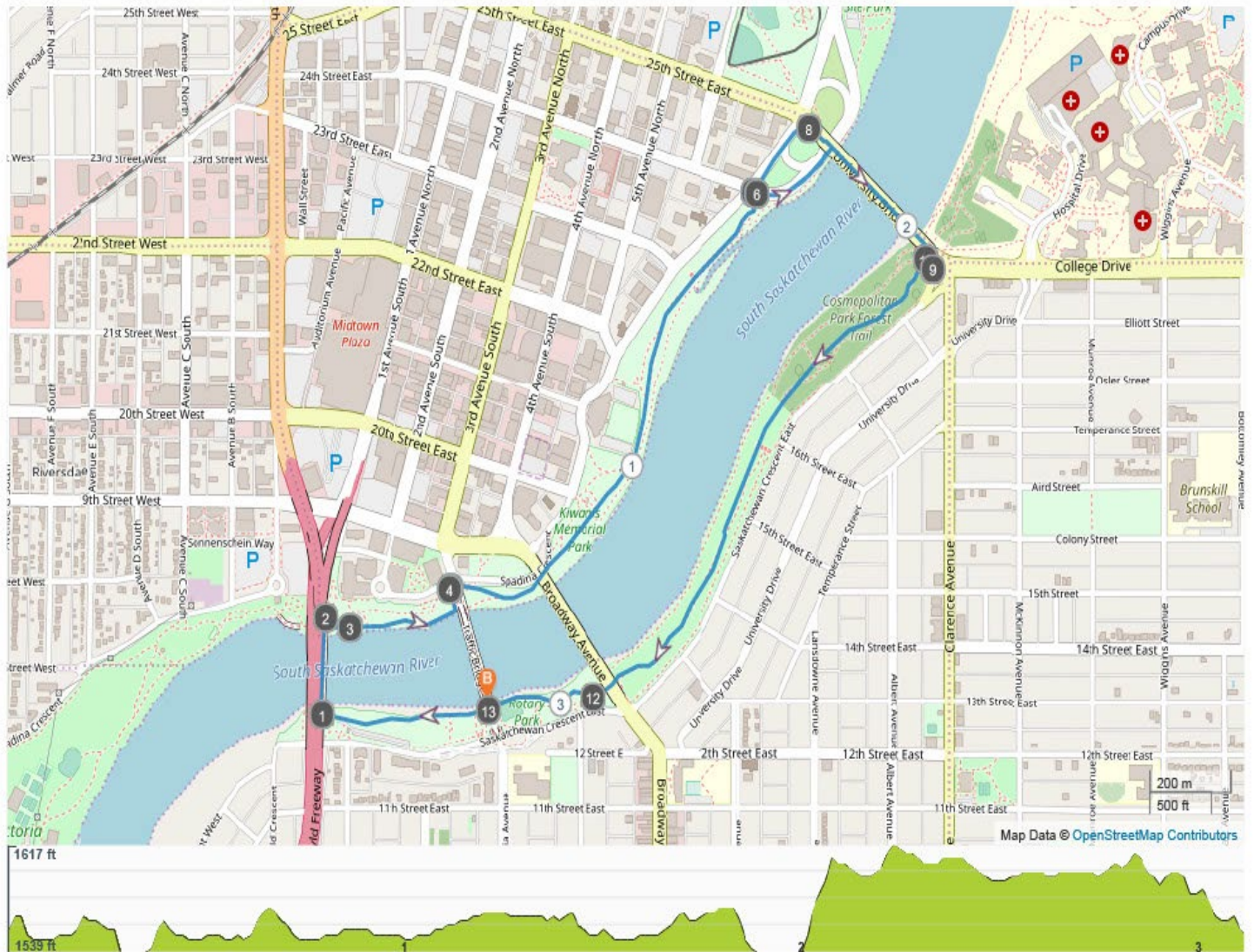
SUNDAY MAY 26 SCIENTIFIC PROGRAM

0700-1000	REGISTRATION DESK	Main Floor Lobby
0800-1200	SPEAKER READY ROOM	Gallery Suite II - Main Floor
0730-0815	BREAKFAST	Salon CD - Upper Floor
0815-0945	Prehospital Transfusion	Salon E – Upper Floor
	Cellular Therapy Stem Cell CAR T Therapy	Salon CD - Upper Floor
0945-1015	BREAK	Salon CD - Upper Floor
1015-1145	Plenary Session: Indigenous Health and Wellbeing - Perspectives from Northern Saskatchewan	Salon CD - Upper Floor
1145-1200	CLOSING COMMENTS	Salon CD - Upper Floor

MEEWASIN 5KM RUN/WALK MAP

Meet in lobby of TCU Place

5km Meewasin Trail Loop



KEYNOTE SPEAKER

Xavier Labelle

Xavier LaBelle is a survivor of the devastating Humboldt Broncos bus crash that occurred on April 6, 2018. Sixteen people were killed, and thirteen others were injured when a semi-tractor trailer failed to stop at a rural intersection in Saskatchewan and collided with the team bus.

Xavier spent two months in the hospital recovering from significant injuries, including a head injury, and facial lacerations so severe that he was misidentified for the first few days. He had a traumatic brain injury, more than 20 broken bones, underwent spine stabilization surgery, suffered damaged nerves to his left arm and both legs, and other internal injuries - in addition to the grief of losing so many teammates and mentors.



In 2019 following a difficult year of recovering from his injuries, Xavier moved to Vancouver to study Kinesiology at UBC. Xavier continues to chase his dreams and hopes to begin medical school at the University of Saskatchewan this fall.

He is currently working as an Educational Assistant in Saskatoon, and as a porter at St. Paul's and Saskatoon City Hospital. He continues to be active, and involved in the sport of hockey, enjoys playing the piano, reading, traveling, and spending time with friends and family.

CSTM AWARDS

CSTM BLUM AWARD

Elaine Van Oyen

Elaine Van Oyen obtained her RT from the CLST in 1977 and her ART in immunohematology in 1986. She has worked in several positions in Transfusion Medicine during her 40-year career, including teaching technologist, senior technologist and Supervisor, before stepping into the role that she loved most – Quality Coordinator supporting Transfusion Medicine.



She is a charter member of the Canadian Association of Immunohematologists (the precursor to the CSTM) and has enjoyed the benefits of membership throughout the years. She has helped in the organization of several CSTM conferences, as well as serving as a member of the Standards Committee.

She has also served on committees to develop CLSI guidance documents and helped organize conferences for the Alberta Vein to Vein Society.

In addition to her full-time job, Elaine was contracted by the College of Physicians and Surgeons of Alberta for over 20 years as an Accreditation Coordinator for their laboratory accreditation program. In this capacity she had the privilege of visiting every hospital and private lab in the province of Alberta, and a few in

Saskatchewan. This experience afforded her the opportunity of seeing the CSTM standards in action and to recognize their significant value to the provision of transfusion services in Canada.

Elaine is now retired and enjoying her time being a bigger part of her 3 grandchildren's lives.

QUIDELORTHO AWARD

Gwen Clarke

Dr. Gwen Clarke is a hematopathologist with Island Health in Victoria BC, and a Clinical Professor of Laboratory Medicine at the U of A and at UBC. Her undergraduate, MD and Residency training were at the University of Alberta and were followed by a fellowship in Hematopathology at Emory University in Atlanta. Her work has included all aspects of hematopathology, with a particular interest and expertise in Transfusion Medicine. During her career she has served as a hospital blood bank medical lead in Edmonton and has worked for Canadian Blood Services as a laboratory medical director and medical lead for the Rare Blood Program.



Gwen's research interests relate mainly to immunohematology. She has been involved with development of guidelines and policies pertaining to immunohematology and non-invasive blood group genotyping in pregnancy including a recent project to develop Canadian consensus statements on perinatal immunohematology testing.

She has had longstanding involvement in medical education serving as residency program director at the U of A as well as an examination board member and a residency program accreditation reviewer for the RCPSC. She teaches in post graduate medical education programs at the U of A and UBC and has served as a mentor to many transfusion medicine residency trainees and researchers. Her current education focus relates to curriculum development for the new Specialist in Transfusion Science training program, a graduate program for medical technologists, at the University of Alberta.

She is a longstanding member of the CSTM serving as VP, President, and Past President from 2012 – 2018 and as a member of COPTN and the STS committees. She currently serves on the board of directors of the ISBT as Secretary General and as Chair of the Vox Sanguinis Standing Committee.

CSTM BUCHANAN AWARD

Elaine Blais

Elaine graduated from the Kelsey Institute of Applied Arts and Sciences, Saskatoon in 1979 as a medical laboratory technologist. Over the course of time, Elaine's career advanced from rotational bench technologist, to laboratory manager of a regional hospital, followed by regional laboratory director overseeing 13 laboratories, to her current position of Professional Practice, Transfusion Safety – North Saskatchewan.



When Elaine began her transfusion safety role in 2014, it was a newly created position designed to provide professional guidance and expertise to clinical and technical programs to advance transfusion safety. Today, Elaine's position has evolved to support the clinical standards portfolio by ensuring clinical practices are in alignment with blood standards, are evidence-informed, and where possible, stewardship and appropriateness initiatives have been integrated into clinical procedures, processes and support tools.

Her designated area of support is northern Saskatchewan, which extends from the city of Saskatoon located in central Saskatchewan, to the Black Lake Denesuline First Nation located in Northern Saskatchewan's Athabasca Basin region.

Over the past decade, Elaine has been a strong advocate for provincial standardization of clinical and technical resources to promote safe transfusion practices. She became the lead administrator for the Saskatchewan TTISS Program early in her transfusion safety career, and subsequently led development of many provincial transfusion reaction resources with assistance from the provincial Transfusion Medicine Physicians and transfusion safety colleagues. Elaine has been a leader in the development and ongoing maintenance of the Saskatchewan Transfusion Resource Manual from release date in 2011 to currently.

Throughout her professional career, Elaine has promoted and supported advancement of patient transfusion safety through establishment of evidence-informed clinical practices.

CANADIAN BLOOD SERVICES DANA DEVINE AWARD

Melika Loria mini

I possess a comprehensive expertise in the field of medical laboratory science (MLS). In 2008, I successfully obtained a Bachelor of Science degree in Medical Laboratory Science (MLS) in Iran and subsequently started on my professional journey as a medical laboratory technologist. Upon immigrating to Canada, I successfully acquired a Bachelor of Biomedical Science from York University in 2019, while simultaneously holding the position of senior MLT in the hematology department at LifeLabs. Afterwards, I enrolled as a direct entry-level PhD candidate in the Laboratory Medicine and Pathobiology (LMP) department at the University of Toronto. At the same time, I began working as an MLT in the Hematology and Transfusion Medicine department at William Osler Hospital. Despite the prevailing COVID circumstances and limitations, I managed to successfully accomplish my academic pursuits in 2023, under the supervision of Dr. Donald Branch at CBS (Canadian Blood Services). The focus of my thesis project was to "Identification and Characterization of Small Molecule Drugs That Inhibit Phagocytosis. ". My project allowed me to acquire expertise in the fields of transfusion medicine and immunology and were able to publish various articles.



During my academic journey, I have been honored with multiple awards including the Canadian Blood Service's (CBS) Graduate Fellowship Program award in 2019 and 2021, the AABB Outstanding Abstract Award for Trainees as a Fellow/Post-Doctoral Student in 2022, the SGS travel award from the University of Toronto in 2022, a travel bursary from CSTM/CBS in 2023, the Best Poster for Translation/Basic research award from Hematology Academic Day in 2023, and the Best Poster for Infectious Diseases, Inflammation, and Immunology award from the 2023-LMP Research Conference. And most recently, the 2024-CSTM/CBS Dana Devine Award.

In addition, I have been invited to speak as a plenary speaker at various international and regional industry conferences. In addition, I have fulfilled the roles of a research and undergraduate student mentor. Furthermore, I possess over 14 years of clinical experience in both hospital and private laboratory settings. Currently, I hold the position of Clinical Practice Leader at Humber River Hospital.

BURSARIES

2024 GRIFOLS LABORATORY TECHNOLOGIST BURSARY IN HONOUR OF PAT LETENDRE

Nour Alhomsy

Donna Lee-Jones

2024 CSL BEHRING NURSING BURSARY

Stephanie Jinson

Michele Tobin

2024 CSTM SPEAKER LEGACY BURSARY

Kristy Schmitt

Diana Kobes

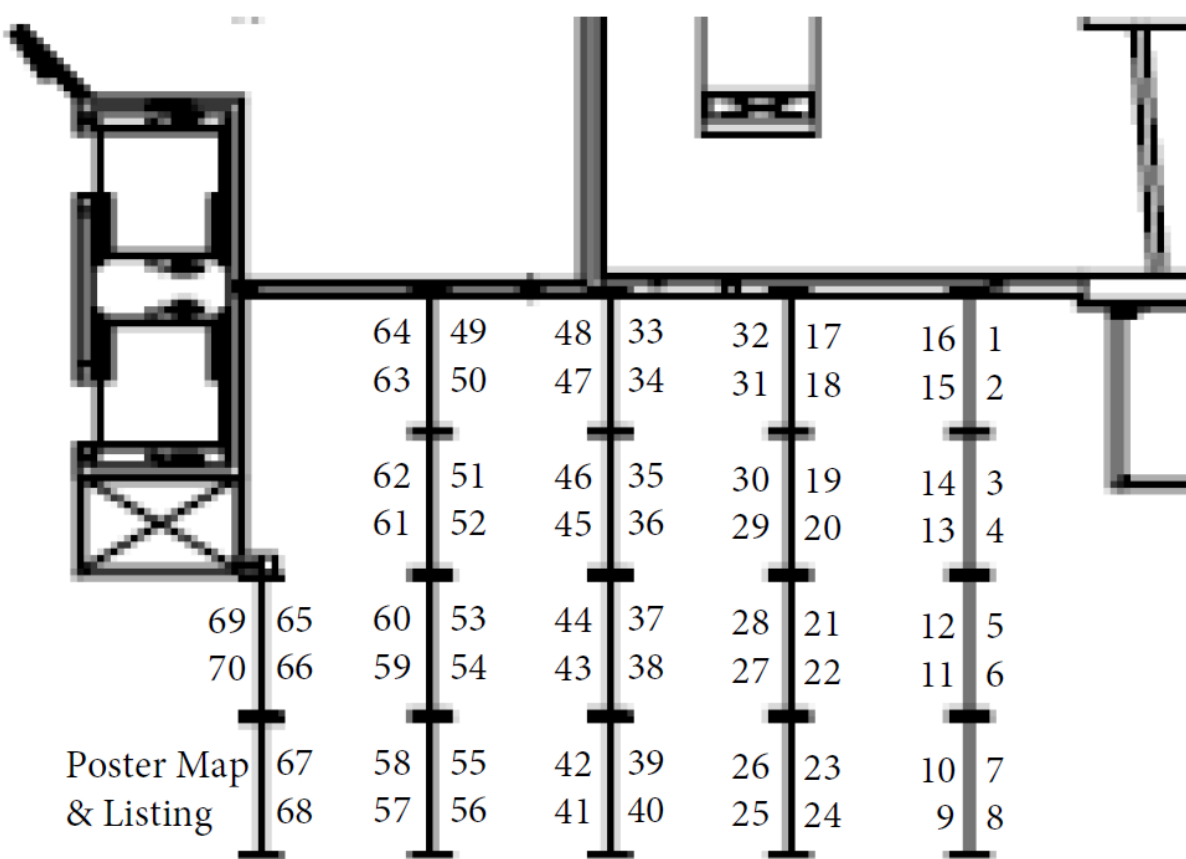
POSTERS

Number	Title	Lead Author
1	Staphylococcal enterotoxins secreted in platelet concentrates during storage induce platelet activation and heighten Staphylococcus aureus virulence	Sylvia Ighem Chi
2	Role of the efflux pump NorB in survival and increased quinolone resistance of Staphylococcus aureus grown in platelet concentrates	Carina Da Silva Paredes
3	Impact of Blood Manufacturing Methods on the Biological Age Distribution of Red Blood Cells in Stored Red Cell Concentrates	Sanaz Hemmatibardehshahi
4	Exploring the Impact of Gamma Irradiation on Biologically Young and Old Subpopulations of Red Blood Cells	Sanaz Hemmatibardehshahi
5	Prolonging the circulatory half-life of C1-esterase inhibitor via albumin fusion	Sangavi Sivananthan
6	Cutibacterium acnes contamination of platelet concentrates does not elicit the release and accumulation of proinflammatory factors during storage	Dilini Kumaran
7	Identification and Characterization of Small Molecule Drugs that Inhibit Phagocytosis	Melika Loria mini
8	Impact of Freezing Method and Number of Freeze Cycles on Plasma in vitro Quality	Roya Pasha
9	Can DMSO-free cryosolutions better protect cord blood stem and progenitors from transient warming events (TWE)	Nicolas Pineault
10	Comparable bacterial proliferation in red blood cell concentrates stored in DEHT/PAGGSM and DEHP/SAGM containers	Sandra Ramirez-Arcos
11	Investigating the quality of blood products from Canadian donors with diabetes	Elyn Rowe
12	Impact of changing from PVC-DEHP to PVC-DEHT whole blood collection sets on plasma in vitro quality	Anita Howell
13	A comparison of manual vs. automated hematocrit measurement in red blood cell concentrates in PAGGSM additive solution	Geraldine Walsh
14	Converting the plasma protein product, clotting factor X, into a novel clot-dissolving agent	Alexandra Witt
15	Osmotic Variability in Red Blood Cells from Different Blood Donor Groups	Mahsa Yazdanbakhsh
16	Deep machine learning analysis of red blood cell morphological changes during hypothermic storage	Yuanheng Zhao
17	Creation of the Canadian Transfusion Trials Group: A Clinical Trials Network for Transfusion Medicine in Canada	Erin Jamula, Jessica Clarke
18	Albumin Utilization and Appropriateness: A Prescriber's Perspective	Stephanie Bigsby
19	A streamlined approach for the identification of two rare antibodies to high prevalence Cromer antigens: anti-SERF and anti-CRAM	Melanie Bodnar
20	Assessment of Rh D-Negative Blood Transfusions in Rh D- Positive Patients	Felicia Deng

21	Prevalence of West Nile Virus in Canadian Blood Donors and Assessment of Unconfirmed Positive Screening Rates	Carmen Charlton
22	Evaluation of the New Transfusion Medicine Team on a Provincial Level	Brittani Rainkie
23	Impact of Therapeutic monoclonal antibodies on timely transfusion of patients	Jacqueline Cote
24	Evaluation of the cobas® DPX Duplex Hepatitis A Virus and Parvovirus B19 Nucleic Acid Test (NAT) Assay	Leisa Bruneau
25	Donor re-entry following deferral for false reactive human immunodeficiency virus-1/2, hepatitis B virus, hepatitis C virus, syphilis and human T-cell lymphotropic virus-1/2 is effective.	Steven Drews
26	Detecting hepatitis A virus in a donor specimen linked to non-fractionated plasma and cellular products: What does it mean?	Steven Drews
27	Anti CD 38 Therapy: A 'Data'ing stepwise approach to serological problem solving	Jennifer Duncan
28	Development of A Home Transfusion Program	Alioska Escorcia
29	Impact of removal of deferrals for vCJD risk	Mindy Goldman
30	25 Years of changes in donor eligibility criteria: Criteria related to donor age, vital signs, and medical conditions	Mindy Goldman
31	25 years of changes in donor eligibility: criteria related to risk of HIV, HCV and HBV	Mindy Goldman
32	Adhering to International Transfusion Standards: A Retrospective Review of a Novel Laboratory Workflow for Detection of the RHCE*CeRN allele.	Kirsten Hannaford
33	Characterization of Platelet Donors in the Human Leukocyte Antigen (HLA)/Human Platelet Antigen (HPA) Selected Platelet Program	QingYun (Nancy) Hua
34	1-year of ferritin testing to identify iron deficiency amongst select whole blood donors	Aditi Khandelwal
35	Unforeseen Anaphylaxis to Rh Immune Globulin: A Case Report	Marissa Laureano
36	Mitigating Alloimmunization after a Massive Fetal-Maternal Hemorrhage: A Case Report	Marissa Laureano
37	Optimizing Home Transfusion through Data-Driven Patient Segmentation: Assessing Needs and Resources for High-Priority Patients	Na Li
38	Fibrinogen Concentrate vs. Cryoprecipitate in Adult and Pediatric Populations: A Systematic Review of RCT Data	Bonnie Liu
39	Effect of Room Temperature Donor Sample Storage Duration on Automated Serologic Blood Group Testing	Johnathan Mack
40	Comparison of genotype-predicted and serologically determined red blood cell antigen phenotypes in donors	Johnathan Mack
41	Chronic Hepatitis B in Ethnically Diverse Blood Donors	Sheila O'Brien
42	COVID-19 vaccination behaviour in blood donors	Sheila O'Brien
43	Impact of TRALI mitigation strategies on respiratory failure beyond TRALI	Shuoyan Ning
44	Albumin Utilization and Appropriateness: A Provincial Healthcare Quality Improvement Project	Madeline Owens

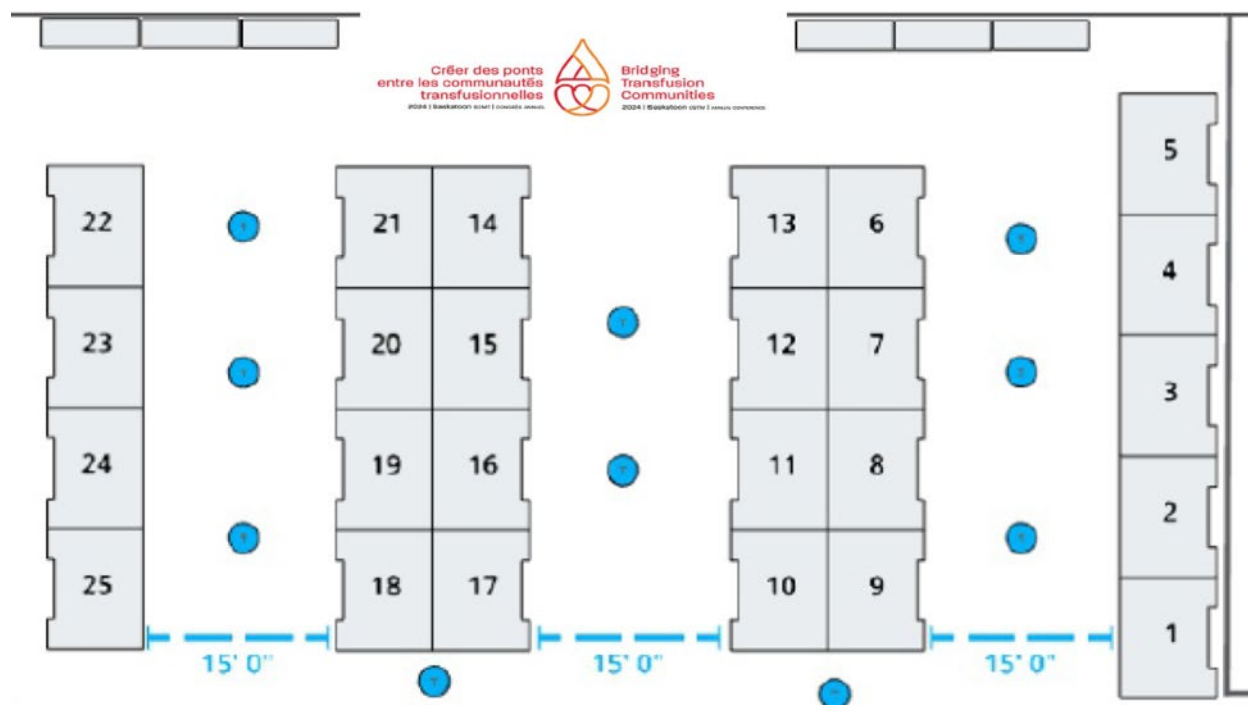
45	Physician Blood Transfusion Orders and Compliance with the Standards: Results of a Single-Centre Audit	Heather Panchuk
46	Red Cell Antigen Genotypes and Variants in a National Sample of Blood Donors in Canada	Sheharyar Raza
47	Pre-donation blood pressure testing does not help predict risk of vasovagal reactions in apheresis plasma donors	Kaye Romans
48	Can A Pop-Up Stop a TACO? A Best Practice Advisory Alert as an Electronic Decision Support Tool to Mitigate the Occurrence of Transfusion Associated Circulatory Overload	Lianne Rotin
49	Room-temperature phase change material configuration validation for platelet and plasma protein product transport	Ana Simonette Salaveria
50	Confirming the Burden of Non-Reportable Transfusion Reactions to Blood Components - Evaluation of a Sentinel Site Model and Canadian Applicability	Melanie St John
51	Pathogen inactivated platelets in pediatrics: a single-centre audit of platelet transfusions	Ingrid Tam
52	Is being Greedy actually a bad thing? A review of rule in and rule out criteria for transfusion medicine antibody investigations	Adela Vasilache
53	The Clinician's Role: A Rapid Scoping Review of Health System and Policy Implications of Immune Globulin Prescription and Management	Kelly Holloway
54	New plasma donors: a qualitative study of retention	Kelly Holloway
55	Outreach strategies for a diverse stem cell registry	Kelly Holloway
56	Beyond Diagnosis and Treatment: A Qualitative Study of Immune Globulin Recipients' Experiences and Engagement in the Health System	Kelly Holloway
57	Relationship of Isohemagglutinin Titres and Reverse Grouping in Renal Transplant Patients	Sebastian Vuong
58	Implementing an Electronic Provincial Immune Globulin Utilization Database	Laura Aseltine
59	Determining the Impact of Current Canadian Stem Cell Registry Policy on Donor Availability via Dynamic Registry Simulation	John Blake
60	Cost Analysis: IVIg Administration in Chronic gMG Patient Populations Across Canada	Maxime Boutin-Caron
61	Simulation Modelling to Inform Group O Negative Red Blood Cell Inventory Management	Jasdeep Dhahan
62	Vein to Vein... to Vein? Traceability Logistic Challenges in a Novel Organ Donor Transfusion-for-Graft-Rejuvenation Protocol	Luarne Sani
63	Nurse-administered SCIg at Infusion Centers is a Viable Alternative to IVIg in Antibody Deficiency	Darshee Ghia
64	Scoping review of genomics in clinical care and research: considerations for blood operators	Jennie Haw
65	Analysis of participant responses to the 2023 IQMH educational survey on blood regulations: A comprehensive review	Chang Keun Lee
66	How to Succeed as a Transfusion Practitioner – Developing the Handbook	Clare O'Reilly

67	How an Internal Audit Program Informs Provincial Quality Initiatives in Transfusion Medicine	Joanna McCarthy
68	Provincial Transfusion Medicine Program Approach to Preparing Annual Health Canada Report	Joanna McCarthy
69	Centralized Screening of IVIg for Central Nervous System Conditions - One Year Post-Implementation	Mandy Feng
70	Pediatric Transfusion Camp: Applying Kern's Six-Step Approach to Curriculum Development to create and implement a national pediatric transfusion medicine curriculum	Ines Zuna



EXHIBITORS LIST AND BOOTH LIST

Booth #	Exhibitor	Booth #	Exhibitor
9	Argenx Canada	23	Hema-Quebec
4	AstraZeneca	2	Intermedico
14	Best Theratronics	3	IQMH
15,16	Bio-Rad	22	MAK Systems
25	CBS	10,11	QuidelOrtho
24	Cerus	8	Pfizer Canada
17	CSL Behring	6	Recordati Rare Diseases Canada Inc.
5	CSTM 2025	7	Takeda
19	Fresenius Kabi Canada Ltd.	21	Wellsky
1	Grifols	12,13	Werfen
18	Haemonetics		



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DETAILED SCIENTIFIC PROGRAM

Welcome to the Canadian Society for Transfusion Medicine's 2024 Annual Conference – Bridging Transfusion Communities. This conference is designed for all professionals working in or interested in transfusion medicine, including physicians, fellows, medical residents, laboratory technologists, nurses, transfusion safety officers, and scientists.

Conference Objectives

By the end of this conference, attendees should be able to:

1. Manage important changes and new strategies in the setting of transfusion medicine.
2. Describe current and emerging Canadian transfusion research.
3. Identify best practices in laboratory and clinical quality systems.
4. Establish and foster inter-collaborative relationships with colleagues.

Thursday May 23		
0700 – 1700	Registration	Main Floor Lobby
0800 – 1700	Speaker Ready Room	Gallery Suite II – Main Floor
0730 – 0830	Breakfast	Gallery AB – Main Floor
0830 – 1000 Session A: Nightmares in Transfusion Medicine Workshop Moderator: Nicole Gettle	<p>Neonatal thrombocytopenia: When the platelet count does not rise post transfusion <i>Katie Felton</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. By the end of this session participants will be able to define, recognize neonatal alloimmune thrombocytopenia. 2. By the end of this session participants will be able to recognize when to expand testing for non-HPA-1a antibodies. <p>Stop, Drop, and Roll? A Blood Bank Response to a Fire <i>Johnathan Mack</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Identify lessons learned from the event to prepare for future events. 2. Describe how blood bank personnel handled a critical infrastructure failure. <p>Bone marrow transplant in a sickle cell patient with significant alloimmunization and hyperhemolysis <i>Sarah Tehseen</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Understand the role of clinically insignificant red cell antibodies in hyperhemolysis. 2. Recognize alloimmunization-related post stem cell transplant complications in patients with sickle cell disease. 3. Recognize the strategies to mitigate transfusion and alloimmunization related complications in sickle cell patients undergoing transplant. 	Gallery C – Main Floor

	Nightmares in Transfusion Medicine Workshop: An Unexpected Autoimmune Complication Requiring a Solution! <i>Oksana Prokopchuk-Gauk</i> Objectives: <ol style="list-style-type: none"> 1. In the context of a clinical case: Describe an unexpected autoimmune complication in the context of Antiphospholipid Antibody Syndrome (APLAS). 2. Summarize our approach to perioperative hemostatic management in the context of an APLAS-associated acquired factor inhibitor. 	
0830 – 1000 Session B: Blood Transportation / Storage Container Validations Workshop Moderator: Elaine Blais	Validation of an Out-of Lab Storage Container for Blood Products (PCC and FC) <i>Kim Thomson</i> Objectives: <ol style="list-style-type: none"> 1. Demonstrate the appropriate packing configuration for out-of-lab storage for blood products (PCC and FC) using the Series 4 CREDO Promed 4L Payload container. 2. Develop a validation plan for out-of-lab storage of blood products (PCC and FC). 3. Review the validation data and implement the process of out-of-lab storage of blood products (PCC and FC). 	Gallery D – Main Floor
	Trials and Tribulations in the world of Red Cell Transport Container Configuration and Validation...aka Box Stuffs <i>Bruce Lyon</i> Objectives: <ol style="list-style-type: none"> 1. Users will be able to list the four major components of that make up a transport container. 2. Users will be aware of how different materials used in the four major transport container components affect the temperature duration of a transport container. 3. Users will be able to use variable identification and risk analysis to assist in determining transport container validation planning. 	
	Development and validation of transport methods for T-sensitive biological products <i>Danny Brouard</i> Objectives: <ol style="list-style-type: none"> 1. Understand the importance of temperature control when transporting biological products. 2. Master the basics of developing temperature control systems adapted to the transportation of biological products. 3. Identify experimental conditions for validating transport processes. 	
1000 – 1030	Break	Gallery AB – Main Floor
1030 – 1200 Session A: Transfusion Reactions Febrile Reactions Workshop	Febrile Transfusion Reactions – Clinical Identification and Management <i>Liana Perruzza</i> Objectives: By the end of this session participants will be able to: <ol style="list-style-type: none"> 1. Identify the signs and symptoms of a patient experiencing an adverse transfusion reaction. 2. Utilize the first learning objective to provide the necessary interventions to manage a patient experiencing an adverse transfusion reaction. 	Gallery C – Main Floor

<p><i>Moderator:</i> <i>Heather Panchuk</i></p>	<p>Febrile Transfusion Reactions - Lab Workup <i>Elaine Blais</i> <i>Paula Lehto</i> <i>Objectives:</i> At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Define possible causes of febrile transfusion reactions. 2. Outline types of lab investigations performed to differentiate types of febrile transfusion reactions. 3. Compare lab findings used for differential diagnosis of fever during or after transfusion. 	
	<p>The Mirages of Heat Rising: Illusions and Revelations from Febrile Transfusion Reactions <i>Christine Czerti-Gazdewich</i> <i>Objectives:</i> After active participation in this session, participants will be able to identify fevers that may:</p> <ol style="list-style-type: none"> 1. over-call (falsely impute) an associated transfusion, and 2. under-call (distract from / conceal) true (most significant and attributable) harms 	
<p>1030 – 1200 Session B:</p> <p>Molecular Testing in Transfusion Medicine Workshop</p> <p><i>Moderator:</i> <i>Julie Hendry</i></p>	<p>Unlocking the Genetic Code: An Interactive Session on RHCE Problem Solving <i>Celina Montemayor</i> <i>Gabriel André Leiva</i> <i>Nadia Baillargeon</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Engage in an interactive, hands-on discussion and analysis of simulated clinical cases with RHCE genetic variants. 2. Integrate molecular, serologic, and clinical data to understand the impact of RHCE variants and establish an individualized transfusion strategy. 3. Learn how to access and interpret public RHCE blood group genetic databases, and apply this knowledge in clinical scenarios. <p>IMPORTANT: learners are encouraged to bring a laptop, tablet or cell phone to connect to Wi-Fi and browse public genomic databases during this interactive session.</p>	<p>Gallery D – Main Floor</p>
1200 – 1330	Lunch	Gallery AB – Main Floor
<p>1330 – 1500 Session A:</p> <p>Complex Serological Case Studies Workshop</p> <p><i>Moderator:</i> <i>Danielle Watson</i></p>	<p>Synthesizing Serotypes and Genotypes for Puzzling Antibodies <i>Sheharyar Raza</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Understand genotyping technologies and their limitations in red cell antigen profiling. 2. Illustrate cases where geno-phenotype synthesis played a crucial role in transfusion management. <p>A Challenging Case of Panagglutination <i>Nadia Gabarin</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Develop an approach to resolving cases of panagglutination in the bloodbank. 2. Review the management of a patient with rare blood. 	<p>Gallery C – Main Floor</p>

	<p>Anti-G: Easy as 1,2,3? <i>Nadia Baillargeon</i> Objectives:</p> <ol style="list-style-type: none"> 1. Discuss the serologic testing required to demonstrate the presence of an anti-G. 2. Discuss situations where it's relevant to differentiate the presence of an anti-G. 	
	<p>Allo or Auto? <i>Caly On</i> Objectives:</p> <ol style="list-style-type: none"> 1. Understand the significance of differentiating allogenic and autologous antibodies. 2. Describe the alloadsorption method. 	
<p>1330 – 1500 Session B:</p> <p>Obtaining Blood Transfusion Consent Workshop</p> <p><i>Moderator:</i> <i>Aditi Khandelwal</i></p>	<p>Blood Transfusions and Informed Consent <i>Owen Scheirer</i> Objectives:</p> <ol style="list-style-type: none"> 1. Describe the elements of capacity and informed consent with respect to emergent blood transfusions. 2. Describe the approaches to emergency transfusion when a patient is unable to provide informed consent. 3. Describe an approach to documenting the consent process for emergent transfusion. <p>Medical Management of Jehovah's Witnesses - A Collaborative Approach <i>Eric Holodryga</i> Objectives:</p> <ol style="list-style-type: none"> 1. Understand the position of Jehovah's Witnesses on medical treatment. 2. Discuss clinical strategies to preempt the use of allogeneic blood transfusion 3. Be aware of the information network that Jehovah's Witnesses have established to support clinicians. <p>Informed Consent: Making it Meaningful <i>Marissa Laureano</i> Objectives:</p> <ol style="list-style-type: none"> 1. Summarize the key elements of informed consent 2. Describe transfusion alternatives 3. Discuss the process of obtaining informed consent. 	<p>Gallery D – Main Floor</p>
1500 – 1530	Break	Gallery AB – Main Floor
<p>1530 – 1700 Session A:</p> <p>Platelet Transfusion and the Neuraxial System Workshop</p> <p><i>Moderator:</i> <i>Nancy Hodgson</i></p>	<p>Use of Viscoelastic Testing to Improve Decisions in Neuraxial Anesthesia with a Focus on Platelet Abnormalities <i>Ryan Lett</i> Objectives:</p> <ol style="list-style-type: none"> 1. Describe the advantages and limitations of viscoelastic testing compared to conventional lab testing. 2. Apply a framework to improve decision making when a platelet abnormality is present. <p>Neurosurgery and the Platelet Transfusion <i>Alex Vitali</i> Objectives:</p> <ol style="list-style-type: none"> 1. Role of platelets in central nervous system surgery. 2. Indications for transfusion of platelets prior to CNS surgery. 	<p>Gallery C – Main Floor</p>

	Pathogen reduced platelets and platelet guidelines: the changing landscape of platelet transfusions in Canada <i>Alan Tinmouth</i> Objectives: <ol style="list-style-type: none"> 1. Determine the clinical scenarios where platelet transfusions may be beneficial or harmful. 2. Select the most appropriate pathogen reduced platelet product and dose for the clinical scenario. 	
1530 – 1700 Session B: Resource Shortage Management Hospital Perspective & Impacts Workshop Moderator: Susan Nahirniak	Laboratory Resource Management: Provincial Perspective <i>Tammy Neuwirth</i> Objectives: <ol style="list-style-type: none"> 1. To have an overview of our provincial Transfusion Medicine Discipline Committee and how it supports the entire province. 2. To have an overview of the standardization we are working towards, which in turn, will help our staff in the midst of our resource shortages. 	Gallery D – Main Floor
	Laboratory Resource Management: Urban Hospital Perspective <i>Deanna Dillabough</i> Objectives: After active participation in this session, participants will be able to: <ol style="list-style-type: none"> 1. Understand what some urban centres are doing to ensure the continuation of essential services. 2. Learn how blood, supplies and staff shortages are being managed in urban centres. 	
	Laboratory Resource Management: North and Rural Hospital Perspective <i>Allison Schneider</i> Objectives: <ol style="list-style-type: none"> 1. Human resource challenges including scope of practice. 2. Limitations with blood product and sample transportation. 	
1800 – 2000	PRESIDENT’S RECEPTION	Remai Gallery – 102 Spadina Crescent E

Friday May 24		
0630	Fun Run/Walk	Meet in the lobby of TCU place
0700 – 1600	Registration	Main Floor Lobby
0800 – 1000	Speaker Ready Room	Gallery Suite II - Main Floor
0730 – 0830	Breakfast	Salon CD – Upper Floor
0830 – 1000 Plenary Session <i>Moderators:</i> <i>Harvey</i> <i>Thunderchild</i> <i>(greetings)</i> <i>Oksana</i> <i>Prokopchuk-Gauk</i> <i>(keynote address)</i>	Opening Remarks <i>Joanna McCarthy, President CSTM Board of Directors</i> <i>Oksana Prokopchuk-Gauk and Sarah Tehseen, CSTM 2024 Saskatoon</i> Greetings <i>David Pratt, First Vice Chief, Federation of Sovereign Indigenous Nations</i> <i>Glen McCallum, President, Metis Nation – Saskatchewan</i> Keynote Address - Healing After Trauma <i>Humboldt Broncos Crash Survivor – Xavier LaBelle</i>	Salon CD - Upper Floor
1000 – 1030	Break	Salon AB - Upper Floor
1030 – 1200 Session A: Blood Health & Anemia Management <i>Moderator:</i> <i>Steven Drews</i>	Blood Health 'Participation: The Case for a National Approach to Patient Blood Management <i>Becky Rock</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. The attendee will be able to describe the concept of 'Blood Health' and a minimum of 3 management strategies in terms of primary, secondary, and tertiary care levels. 2. The attendee will be able to describe how Blood Health and Patient Blood Management (PBM) differentiate from 'Optimal Blood Use' strategies, and the role of each in health systems. 3. The attendee will be able to describe how Blood Health and PBM care is managed across Canada and compare this to global approaches. 	Salon CD - Upper Floor
	Evidence-based Transfusion Practice and Patient Blood Management Programs <i>Steven Frank – virtual presentation</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. At the end of the session the attendee will be able to summarize findings from randomized trials of transfusion indications. 2. At the end of the session the attendee will be able to list several methods of blood conservation 3. At the end of the session the attendee will be able to discuss methods of care for patients declining transfusions, and for those requiring massive transfusion. 	
	How low can you go? Unique perspectives on anemia and patient blood management in infants and children <i>Sarah Tehseen</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. Recognize the differences in physiologic compensatory mechanisms for anemia in different age groups. 2. Understand the evidence (or lack thereof) behind transfusion thresholds in non-bleeding pediatric patients. 3. Understand the value of IV iron in children with severe iron deficiency anemia. 	

<p>1030 – 1200 Session B:</p> <p>Standing Updates – NAC, CCNMT, CSTM Standards</p> <p><i>Moderator: Donald Arnold</i></p>	<p>NAC Update <i>Andrew Shih</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. To review the mandate and workplan updates from NAC. 2. To explore joint collaborations with other medical societies and key partners. <p>2023-2024 CCNMT Update <i>Vincent Laroche</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Identify the principles and goals put forward in the restructuring of Quebec hospital-based transfusion medicine services to improve their accountability and efficiency. 2. Describe the trends in IVIg utilization in Quebec and the recent initiatives to promote better usage. 3. Describe changes in the blood product portfolio in Quebec and its implications in transfusion and clinical practice. <p>CSTM Standards <i>Danielle Watson</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. How CSTM Standards are developed. 2. The difference between CSTM Standards and CSTM Guidance Statements. 	<p>Gallery C - Main Floor</p>
<p>1200 – 1330</p>	<p>Lunch</p>	<p>Salon AB - Upper Floor</p>
<p>1330 – 1500 Session A:</p> <p>Selected Oral Abstracts Scientific</p> <p><i>Moderator: Ed Prydzial</i></p>	<p>Monoclonal anti-D induces low efficiency trophocytosis: Implications for the prevention of Hemolytic disease of the fetus and newborn (HDFN) <i>Yoelys Cruz Leal</i></p> <p>Towards Safer Transfusion Therapies: The Role of Non-Inflammatory Fcγ₃ Receptor 1 Blockade <i>Yaima Tundidor Cabado</i></p> <p>Quantifying residual red blood cells in platelet and plasma components: Flow cytometry and a visual inspection tool support implementation of pathogen inactivation <i>Geraldine Walsh</i></p> <p>Comparative Analysis of Osmotic Characteristics and Post-Deglycerolization Survival in Biologically-Aged RBC Subpopulations <i>Sanaz Hemmatibardehshahi</i></p> <p>Red Cell Genotyping Genomics Development Program Year 1 Progress Report: a Focus on Gender-Inclusive Blood Group Sequencing <i>Celina Montemayor</i></p> <p>Platelet Transfusion Refractoriness Due to Anti-CD36 and Challenges of Importing CD36 Negative Platelets <i>Jacqueline Wong</i></p>	<p>Gallery C - Main Floor</p>

<p>1330 – 1500 Session B:</p> <p>RhD Status in the Perinatal Patient</p> <p><i>Moderator: Nancy Robitaille</i></p>	<p>Non-invasive Prenatal Testing (NIPT) for the determination of fetal RhD status <i>Marie-Claire Chevrier</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Review the benefits and challenges associated with fetal RHD genotyping. 2. Explain the implementation of the non-invasive fetal Rhesus genotyping testing, using cffDNA in the maternal blood, for all pregnant women with a negative RHD status in Quebec. <p>RhD Genotyping in Prenatal Testing: The Canadian Context <i>Melanie Bodnar</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Integrate the results of RHD genotyping into prenatal care. 2. Recognize the diversity of RHD variants in the Canadian population. <p>Nurse Coordinator Role in RhD Alloimmunization and Pregnancy <i>Shaylyn Kraushaar</i> <i>Sandra Holfeld</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. After active participation in this session, the participant will be able to define the roll of the PRAMS Nurse Coordinator. 2. After active participation in this session, the participant will be able to identify risks, prevention strategies and complications of RhD alloimmunization in pregnant patients. 	<p>Salon CD - Upper Floor</p>
<p>1500 – 1530</p>	<p><i>Break</i></p>	<p>Salon AB - Upper Floor</p>
<p>1530 – 1700 Session A:</p> <p>Selected Oral Abstracts Clinical</p> <p><i>Moderator: Matthew Yan</i></p>	<p>Isohemagglutinin titres: A comparison of pathogen reduced pooled platelets manufactured with platelet additive solution versus untreated pooled platelets <i>Melanie Bodnar</i></p> <p>Implementation of sexual risk behaviour donor screening in Canada <i>Mindy Goldman</i></p> <p>Understanding priorities and barriers to donation for communities of African and South Asian ancestry <i>Jennie Haw</i></p> <p>Cost-Effectiveness Analysis of Efgartigimod Versus Chronic Intravenous Immunoglobulin (IVIg) for Treatment of Acetylcholine Receptor Antibody Positive (AChR-Ab+) Generalized Myasthenia Gravis (gMG) in Canada <i>Jason Locklin</i></p> <p>Isohemagglutinin Titration in Pooled and Apheresis Platelets <i>QingYun Hua</i></p>	<p>Gallery C - Main Floor</p>
<p>1530 – 1700 Session B:</p> <p>Blood Supply Sustainability</p>	<p>Supply Planning in a Changing Environment: Essential Considerations <i>Jody Faught</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. How demand intelligence and the planning process informs the collections plan at Canadian Blood Services. 2. Visibility to challenges and opportunities in Canadian Blood Services collections and supply planning. 	<p>Salon CD - Upper Floor</p>

Moderator: Chantale Pambrun	Platelet inventory management at Héma-Québec <i>Alexandre Przybylski</i> Objectives: <ol style="list-style-type: none"> 1. Optimally manage your platelet inventory. 2. The operational flexibility offered by our different types of sampling to meet demand. 3. How we project demand via a platelet menu. 	
	Blood - The gift of life, the lifelong gift that keeps on giving <i>Darcy Schmidt</i> Objectives: <ol style="list-style-type: none"> 1. To make the participants aware of the importance and the need for an adequate supply of safe blood / blood products to meet the demands for client treatment and stabilization. 2. To make the participants aware of their contribution to help ensure that the supply meets the demand for this life saving intervention. 3. To make the participant's aware of a recipient's experience of how this life saving gift gave me a second chance at life and the changes this has had on my second life. 	
1700 – 1800	POSTER VIEWING WITH AUTHORS	Salon E – Upper Floor
1730 – 1930	EXHIBITOR’S RECEPTION	Salon AB - Upper Floor

Saturday May 25		
0700 – 1600	Registration	Main Floor Lobby
0800 – 1700	Speaker Ready Room	Gallery Suite II - Main Floor
0730 – 0830	Breakfast	Salon CD - Upper Floor
0730 – 0830 <i>Moderator: CSTM Board</i>	CSTM AGM/Breakfast Presentation of CSTM Blum Award, Grifols Bursary in Honor of Pat Letendre, CSTM Legacy Speaker Bursary and CSL Behring Nursing Bursary	Salon CD - Upper Floor
0830 – 1000 Plenary Session <i>Moderator: Tanya Petraszko</i>	QuidelOrtho Award Lecture <i>Gwen Clarke</i> CSTM Buchanan Award Lecture <i>Elaine Blais</i> CBS Dana Devine Award Lecture <i>Melika Loriamini</i>	Salon CD - Upper Floor
1000 – 1030	<i>Break</i>	Salon AB - Upper Floor
1030 – 1200 Session A: NAC Whole Blood Recommendations <i>Moderator: Gwen Clarke</i>	Why Transfusion Medicine is Important Now <i>Andrew Beckett</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. To highlight the critical role of Transfusion Medicine in ensuring rapid and effective blood supply management for wounded soldiers on the battlefield. 2. To demonstrate the significance of Transfusion Medicine in reducing combat mortality rates by providing timely transfusion therapies and blood products to injured military personnel. 3. To emphasize the strategic advantage of integrating Transfusion Medicine practices into military healthcare systems to enhance readiness and resilience in future wartime scenarios. CBS manufacture & storage; NAC recommendations <i>Chantale Pambrun</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. Following active engagement in this session, participants will gain the ability to delineate the product characteristics of whole blood, leukocyte reduced, thereby enhancing their ability to make informed clinical practice choices. 2. Following active engagement in this session, participants will acquire the knowledge to implement the recommendations of the National Advisory Committee for the utilization of whole blood, leukocyte reduced, thereby fostering equitable access and judicious utilization of this finite resource. Trials and tribulations of the îles-de-la-Madeleine (ILDm) emergency walking pre-assessed blood donor program <i>Vincent Laroche</i> <i>Objectives:</i> <ol style="list-style-type: none"> 1. Describe the Blood regulations Pre-assessed Donor Program section and their planned implementation in the ILDM program. 2. Describe the multidisciplinary challenges in implementing a pre-assessed donor program in a remote area. 	Salon CD - Upper Floor

<p>1030 – 1200 Session B:</p> <p>Immune Deficiency & Special Transfusion Considerations</p> <p><i>Moderator: Sylvia Ighem Chi</i></p>	<p>Immune Deficiency and Special Transfusion Considerations <i>Gina Martin</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Explain how provincial newborn screening for SCID is screening for T-cell lymphopenia. 2. Recognize disorders and conditions that can be associated with T-cell lymphopenia. <p>Immune Deficiency and Transfusion Requirements: A Cautionary Tale <i>Nancy Robitaille</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Describe the physiopathology, risk factors and clinical presentation of transfusion-associated graft-vs-host disease. 2. Enumerate the different options to prevent transfusion-associated graft-vs-host disease. <p>Challenges of SCID screening in the Newborn <i>Dennis Bulman</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. By the end of the presentation the audience will understand the basic concepts of Newborn Screening. 2. By the end of the presentation the audience will understand the nuances in screening for TcR disorders in the Newborn. 3. By the end of the presentation the audience will understand the molecular approaches to identifying newborns with SCID. 	<p>Gallery C – Main Floor</p>
<p>1200 – 1330</p>	<p>Lunch</p>	<p>Salon AB - Upper Floor</p>
<p>1330 – 1500 Session A:</p> <p>COPTN & TSN Session</p> <p><i>Moderator: Sarah Tehseen</i></p>	<p>Rh Alloimmunization: the risks of early pregnancy procedures and complications and indications for RhIG <i>Laura Tapley</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Understand the level of evidence related to the risk of RhD alloimmunization in early pregnancy complications and procedures. 2. List the indications for RhIG in non-sensitized RhD negative pregnant patients as they pertain to early pregnancy complications and procedures. <p>Pediatric Transfusion Camp: Creating and implementing a national pediatric transfusion medicine curriculum <i>Ines Zuna</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Identify the key differences between pediatric and adult patients as it applies to transfusion medicine. 2. Understand the process of building a medical education curriculum. <p>Transfusion Safety Network <i>Clare O'Reilly</i> <i>Objectives:</i></p> <p>At the end of the session, attendees will:</p> <ol style="list-style-type: none"> 1. Describe the format of the Transfusion Safety Network (TSN) meeting. 2. Identify at least one benefit of TSN membership. 	<p>Salon CD - Upper Floor</p>

<p>1330 – 1500 Session B:</p> <p>Donor Characteristics & Transfusion Safety</p> <p><i>Moderator: Michelle Zeller</i></p>	<p>Transfusion Transmitted Malaria <i>Hanan Gerges</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Presenting a case of transfusion transmitted malaria. 2. Traceback investigations and lessons learned. <hr/> <p>TTI reduction strategies for travel testing; can pathogen inactivation help? <i>Carmen Charlton</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Describe how pathogen inactivation works. 2. Identify four TTI reduction strategies. 3. Discuss the role of pathogen inactivation for emerging pathogens. <hr/> <p>Qualification of donors based on sexual behaviour - Data from the first year of monitoring <i>Jessyka Deschênes</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Review Héma-Québec's epidemiological data on the surveillance of virological markers among blood donors for the 22/23 period. 2. Learn about the risk factors identified among donors confirmed positive for one of the virological markers. 	<p>Gallery C - Main Floor</p>
<p>1500 – 1530</p>	<p><i>Break</i></p>	<p><i>Salon AB - Upper Floor</i></p>
<p>1530 – 1700</p> <p>Plenary Session</p> <p>Hemovigilance</p> <p><i>Moderator: Kelly Holloway</i></p>	<p>Hemovigilance in Quebec: Investigation and reporting of transfusion reactions <i>Vanessa Dupuis-Picard</i> <i>Pierre Aurele Morin</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Describe the role of clinical transfusion safety officers and medical directors in hemovigilance in Quebec. 2. Understand all steps of transfusion reaction reporting from bedside to provincial revision. 3. Recognize limitations of the current hemovigilance system. <hr/> <p>Transfusion Transmitted Injuries Surveillance System <i>Mohammad Afzal</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Presentation will cover data collection methodology and latest findings of Adverse Transfusion Reactions (ATRs) in Canada. 2. The presentation followed by discussion with transfusion community will be helpful to improve the TTISS. <hr/> <p>Over 25 years of haemovigilance - Insights from SHOT <i>Shruthi Narayan</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. To get an overview about reports submitted to SHOT with common emerging themes and recommendations to enhance safety. 2. To understand the importance of human factors in transfusion in both clinical and laboratory areas and learn about the work from SHOT in this area. 3. To learn about how learning from haemovigilance reports is being optimised and the various improvement initiatives to enhance transfusion safety. 	<p>Salon CD - Upper Floor</p>
	<p>Corporate Night</p>	

Sunday, May 26

0700 – 1000	Registration	Main Floor Lobby
0800 – 1200	Speaker Ready Room	Gallery Suite II - Main Floor
0730 – 0815	Breakfast	Salon CD - Upper Floor
0815 – 0945 Session A: Prehospital Transfusion <i>Moderator: Abby Wolfe</i>	<p>Don't We Just Put Blood on the Helicopter? <i>Andrew Shih</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. To describe the requirements for transfusing in an out of hospital blood transfusion program. 2. To outline the current state regarding the laboratory and technical practices of out of hospital blood transfusions in Canada. <hr/> <p>CAN-PATT Canadian Prehospital and Transport Transfusion Network "Transfusion Medicine Far Forward" <i>Jan Trojanowski</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Describe the various organizations currently involved in delivery emergency use or "blood on board" programs within Canada. 2. Clarify the delivery of blood transfusions in the civilian out-of-hospital setting by practitioners from varied disciplines. 3. Demonstrate the ongoing work on key performance indicators and development of a out-of-hospital national blood transfusion registry facilitated by CAN-PATT. <hr/> <p>Pre-Hospital Blood Transfusion in Saskatchewan <i>Dallas Pearson</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Describe the importance and potential benefits of pre-hospital blood transfusion. 2. Describe patient care situations where pre-hospital availability of alternate blood products (FC and PCC) may be of benefit to patients. 	Salon E – Upper Floor
0815 – 0945 Session B: Cellular Therapy Stem Cell CAR T Therapy <i>Moderator: Nicolas Pinault</i>	<p>Novel Cellular Therapy Products – The role of the laboratory in bringing these therapies to patients <i>Nicole Prokopyshyn</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Appreciation for the key role of the laboratory in processing, manufacturing and distribution of novel cellular therapy products. 2. Understanding of the new frontiers in cell and gene therapy. <hr/> <p>CAR T therapy: A life-saving therapy requiring complex care <i>Mark Bosch</i> <i>Objectives:</i></p> <ol style="list-style-type: none"> 1. Unravelling the Promise and Challenges of CAR T therapy in Canada. 2. Explore the Intersection of Immunotherapy and Transfusion Medicine: Delve into the cutting-edge advancements of CAR T therapy and its implications for transfusion medicine. 	Salon CD - Upper Floor

	First CAR-T ... Then a PAR T(y) My CAR-T Cell Therapy Experience <i>Cherylee Truitt</i> Objectives: <ol style="list-style-type: none"> 1. Summarize four steps that led me to qualify for CAR-T cell Therapy. 2. Describe a personal CAR-T cell therapy experience. 3. Celebrate my recovery! 	
0945 – 1015	Break	Salon CD - Upper Floor
1015 – 1145	A Guide to Engaging Indigenous Communities on Health <i>Jack Janvier</i> Objectives: <ol style="list-style-type: none"> 1. Identify factors that affect trust in healthcare practitioners in Indigenous communities. 2. Outline factors for meaningful engagement of Indigenous communities on healthcare initiatives. 	Salon CD - Upper Floor
Plenary Session Indigenous Health and Wellbeing - Perspectives from Northern Saskatchewan <i>Moderator: Joanna McCarthy</i>	Indigenous Health <i>Janet Tootoosis</i> Objectives: <ol style="list-style-type: none"> 1. Describe a strength-based Indigenous perspective on “health”. 2. Inspect the past and present contributions of colonization and how we perform research, on health disparities. 3. Discuss a new department in the College of Medicine powered by community connection that has the potential to address the many issues impacting Indigenous health. 	
	Collaborating and Administering Blood in a Northern Saskatchewan First Nation Outpost Clinic: a Nurse Practitioner Experience <i>Rena Sutherland</i> Objectives: <ol style="list-style-type: none"> 1. After active participation in this session, participants will be able to identify current opportunities for collaboration with other health team members/health systems in isolated/northern communities, in regards to blood transfusion. 2. After active participation in this session, participants will be able to apply the strategies and knowledge of collaboration between provincial and federal health settings, to their own community of practice, with the end goal being better access to services closer to home. 	
1145 – 1200	CLOSING REMARKS <i>Oksana Prokopchuk-Gauk & Sarah Tehseen</i>	Salon CD - Upper Floor

VISITING SASKATOON



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From vibrant streets to river's edge, Downtown Saskatoon offers an upscale urban experience in the heart of Saskatchewan.

Find #RoomToBreathe, #SpaceToGrow + #PlaceToBelong.

PLACES OF INTEREST

- 1 Nutrien Playland
- 2 Nutrien Wonderhub
- 3 Prairie Lily Riverboat
- 4 Ukrainian Museum of Canada
- 5 Frances Morrison Public Library
- 6 Joni Mitchell Way
- 7 River Landing Amphitheatre
- 8 River Landing Waterfront
- 9 River Landing Spray Park
- 10 Farmers' Market Building
- 11 YWCA
- 12 YMCA
- 13 Punch Buggy Express Stops

HOTELS

- 1 Park Town Hotel
- 2 The James
- 3 Sheraton Cavalier
- 4 Delta Bessborough
- 5 Hotel Senator
- 6 Delta Saskatoon Downtown
- 7 Alt Hotel
- 8 Hilton Garden Inn
- 9 Holiday Inn Downtown
- 10 Holiday Inn Express

ENTERTAINMENT

- 1 Shakespeare on the Saskatchewan (seasonal)
- 2 Capitol Music Club
- 3 The Basement
- 4 TCU Place
- 5 Cameco Meewasin Skating Rink (seasonal)
- 6 Coors Event Centre + The Common Room
- 7 Escape Manor
- 8 Scotiabank Theatre & Cineplex VIP
- 9 Escape City
- 10 Persephone Theatre
- 11 Remai Modern

SHOPPING CENTRES

- 1 Midtown Shopping Centre
- 2 Scotia Centre Mall
- 3 Drinkle Mall

EAT + DRINK

- 165+ Shops
100+ Restaurants
55+ Lounges

LEGEND

- Art Gallery / Shop
- Coffee Shop
- Flower Shop
- Food Market
- Ice Cream
- Liquor
- Meewasin Trail
- Protected Bike Lane
- Downtown Saskatoon BID
- Boat Launch
- City Hall
- Saskatoon Fire Station
- Saskatoon Police Station
- Tourism Saskatoon
- EV Charging Stations at Midtown Underground Parking
- Saskatoon CarShare

To order maps, please contact Downtown Saskatoon at 306.665.2001 or email info@dtntyxe.ca

About Saskatoon

Located in the heart of beautiful downtown Saskatoon, TCU Place, Saskatoon's Arts & Convention Centre is host to the 2024 Canadian Society for Transfusion Medicine Annual Conference.



From its placement on the banks of the South Saskatchewan River, Rемаi Modern connects architecturally with a Prairie Modern style and responds to the low, flat topography

of the landscape. Parts of the exterior are clad in a mesh screen of copper, a material inspiration from the nearby Bessborough Hotel, an architectural landmark built by the Canadian National Railway in 1932. The Rемаi will be the location of the President's Reception Thursday May 23 from 1800-2000. The gallery is open and free for all those who purchase tickets to the reception.

Things to do in Saskatoon

Vesna Festival: Enjoy an evening full of exciting entertainment and spectacular Ukrainian culture held at TCU Place, May 25. Interested delegates can contact Heather Panchuk at heather.panchuk@saskhealthauthority.ca for additional information.

<https://www.vesnafestival.com/>

Canadian Light Source (CLS) Tours: Take a tour of Canada's only synchrotron research facility, for free! The tour will be held Friday, May 24 in the afternoon. There will be a nominal fee for transportation. Interested delegates can contact Heather Panchuk at heather.panchuk@saskhealthauthority.ca for additional information.

<https://www.lightsource.ca/public/tours.php>

Shopping: From luxury apparel and big-name brands to independent boutiques and artisan vendors, Saskatoon offers goods to suit every taste and budget. Midtown Plaza one of Saskatoon's premium shopping malls is located right next door to TCU Place.

<https://www.discoversaskatoon.com/things-to-do/shopping>

Ukrainian Museum of Canada: The Ukrainian Museum of Canada (UMC), in downtown Saskatoon, SK, features three galleries dedicated to celebrating and promoting the arts, culture, and legacy of the Ukrainian Canadian community.

<https://umcnational.ca/about-us/>

Eat and Drink: Snack, sip, and savour your way through Saskatoon's many restaurants, breweries, wineries, patios, and pubs, and discover a thriving food scene as diverse as the city itself. Whether you're in the mood for fine dining or street food, craft beer or crafted cocktails, we think you'll agree — the Paris of the Prairies is a true moveable feast. Though located in the centre of Canada you wouldn't know it by our spins on Mexican, Burmese, Indian, Thai, and Jamaican food you can find here. As well there are the best and fun places to eat in Saskatoon that more than satisfy any dietary requirements.

<https://www.discoversaskatoon.com/things-to-do/eat-drink>

Queen: It's a Kind of Magic: See the rock spectacular that everyone RAVED about, bringing their big sound, big screens, crazy lighting and outlandish costumes back for a night of non-stop rock anthems, including Bohemian Rhapsody, We Will Rock You, We Are the Champions, Radio GaGa, I Want to Break Free, Somebody to Love, Don't Stop Me Now, Another One Bites the Dust and so

many more. The show is Friday, May 24 at 8:00 PM at the TCU Theatre. More information and tickets can be found at:

<https://tcutickets.ca/Online/default.asp>

Prairie Lily: The Prairie Lily's sightseeing cruises are one hour and boarding begins half an hour before we sail. Our friendly Stewards are ready to assist guests, and we offer a beverage service while you enjoy the cruise! You are welcome to use our beverage service and the heads (washrooms) on the main deck at any time. We sail rain or shine. For more information and to purchase tickets, visit:

<https://theprairielily.com/wp/sightseeing-from-the-prairie-lily/>

Meewasin Walking Trails: The Meewasin Trail lives in and outside of the City of Saskatoon, on both sides of the river, and includes several sites and services to help you make the most of your adventures. Explore the natural habitat along the riverbank, discover culture at museums and interpretive sites, and take advantage of enhancements such as parks and canoe launches. Our Trail Guide which includes a map, is sponsored by the Saskatoon Road Runners, and is available at our office. For more information visit:

<https://meewasin.com/locations/>

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Discover Saskatoon

DTNYXE: Downtown Saskatoon

Ukrainian Museum of Canada

TCU Place

Rimai Modern

Meewasin Trail

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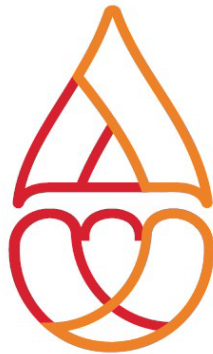
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Elaine Blais

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Sasha Hayse

THANK YOU



Bridging Transfusion Communities

**Créer des ponts
entre les communautés
transfusionnelles**

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ANNUAL CONFERENCE | CONGRÈS ANNUEL

The Saskatoon Core Planning Committee extends its sincere gratitude to the CSTM Board, our committed volunteers, esteemed speakers and moderators for their invaluable contributions in making our conference a resounding success. We are equally grateful to our sponsors, exhibitors, partners and the TCU Place staff for their unwavering support and dedication. Finally, thank you to all attendees for coming to the CSTM 2024 Annual Conference.



**We are looking forward to seeing you next year in
St. John's!**