

2022 Banff-CST Joint Meeting

Event Schedule

Mon, Sep 19, 2022

7:00 AM

Banff Breakfast

🕒 7:00 AM - 7:50 AM, Sep 19

📍 Vistas Dining Room

Banff

Please show your conference badge for complimentary breakfast.

Fellows Symposium Breakfast

🕒 7:00 AM - 7:50 AM, Sep 19

📍 Vistas Dining Room

Fellows

Please show your Fellows Symposium badge for complimentary breakfast.

8:00 AM

Banff Pre-Meeting: 30 Years Of The Banff Classification

🕒 8:00 AM - 12:10 PM, Sep 19

📍 KC 303

Banff

On-Demand Session Replay

This session will be recorded and made available for on-demand viewing after the fact.

Learning Objectives:

To summarize the history, rationale and workings of the Banff process, including:

- the philosophy of the first Banff meetings, and how this evolved; communication and dissemination strategy - how Banff was promoted and rapidly incorporated in the field;
- consensus methods that have been used; and
- how Banff was expanded to other than kidney transplants; and a critical appraisal of strengths and weaknesses of the Banff classification for diagnostic use by clinicians and pathologists.

🗣 Moderator



Cinthia Drachenberg

University of Maryland
+14438968494



Kim Solez

Professor of Pathology
University of Alberta



Candice Roufosse

Imperial College



Maarten Naesens

Professor
KU Leuven

11 Subsessions

● **Whatever You Can Do, Or Dream You Can, Begin It: Report From The Early Days Of Banff**

🕒 8:00 AM - 8:30 AM, Sep 19

● **Towards a unified system for kidney transplant pathology: merging CCTT and Banff + Moderating the Banff Consensus Process**

🕒 8:30 AM - 9:00 AM, Sep 19

● **Discussion**

🕒 9:00 AM - 9:20 AM, Sep 19

● **Expanding Banff Concepts Beyond The Kidney**

🕒 9:20 AM - 9:40 AM, Sep 19

● **Morning Break**

🕒 9:40 AM - 10:10 AM, Sep 19

📍 KC 100 Galleria

● **How Pathologists Use Banff**

🕒 10:10 AM - 10:30 AM, Sep 19

● **How Clinicians Interpret Banff**

🕒 10:30 AM - 10:50 AM, Sep 19

● **The Controversy: Devil's Advocate And Why I Do Not Use Banff**

🕒 10:50 AM - 11:10 AM, Sep 19

● **The Rebuttal And Why We Should Use Banff**

🕒 11:10 AM - 11:30 AM, Sep 19

● **Competition Winners Presentations**

🕒 11:30 AM - 11:50 AM, Sep 19

● **GROUP DISCUSSION: Where Do We Go From Here - Banff 2051?**

🕒 11:50 AM - 12:10 PM, Sep 19

Welcome and HLA Session 1

🕒 8:00 AM - 10:10 AM, Sep 19

📍 KC 101/103/105

Fellows

On-Demand Session Replay

🗣️ Speaker



Robert Liwski

MD, PhD, FRCPC, A(ACHI)
Dalhousie University

5 Subsessions

● **Welcome**

🕒 8:00 AM - 8:10 AM, Sep 19

● **Introduction to Immunology and HLA**

🕒 8:10 AM - 8:40 AM, Sep 19

● **Approach to determining Immune Risk**

🕒 8:40 AM - 9:10 AM, Sep 19

● **Alloimmune risk factors with emphasis on HLA molecular matching**

🕒 9:10 AM - 9:50 AM, Sep 19

● **PTLD**

🕒 9:50 AM - 10:10 AM, Sep 19

10:10 AM

Fellows Symposium Morning Break

🕒 10:10 AM - 10:30 AM, Sep 19

📍 KC 100 Galleria

Fellows

10:30 AM

Fellows Symposium Session 2

🕒 10:30 AM - 12:00 PM, Sep 19

📍 KC 101/103/105

Fellows

On-Demand Session Replay

👤 Speaker



Trana Hussaini

UBC

3 Subsessions

● **Drug interactions and Pharmacogenomics**

🕒 10:30 AM - 11:00 AM, Sep 19

● **Malignancy Post-Transplant**

🕒 11:00 AM - 11:30 AM, Sep 19

● **Diabetes Care Post-Transplantation**

🕒 11:30 AM - 12:00 PM, Sep 19

12:00 PM

Fellows Symposium Lunch

🕒 12:00 PM - 12:50 PM, Sep 19

📍 Vistas Dining Room

Fellows

Please show your Fellows Symposium badge for complimentary lunch.

12:20 PM

Lunch

🕒 12:20 PM - 1:20 PM, Sep 19

📍 Vistas Dining Room

Banff

Please show your conference badge for complimentary lunch.

1:00 PM

Transplant ID Session

🕒 1:00 PM - 3:05 PM, Sep 19

📍 KC 101/103/105

Fellows

On-Demand Session Replay

👤 Moderator



Carlos Cervera

Assistant Professor
University of Alberta

5 Subsessions

● **PJP in SOT . Elephant in the room**

🕒 1:00 PM - 1:25 PM, Sep 19

● **CMV in SOT**

🕒 1:25 PM - 1:50 PM, Sep 19

● **BK virus in SOT : what to do**

🕒 1:50 PM - 2:15 PM, Sep 19

● **Management OF MDR in SOT**

🕒 2:15 PM - 2:40 PM, Sep 19

● **Mycobacterial Infection in SOT : Complexities of management**

🕒 2:40 PM - 3:05 PM, Sep 19

1:30 PM

Banff Pre-Meeting: Molecular Diagnostics I - Invasive (Including Banff Molecular WG)

🕒 1:30 PM - 5:00 PM, Sep 19

📍 KC 303

Banff

On-Demand Session Replay

This session will be recorded and made available for on-demand viewing after the fact.

Learning Objectives:

- To analyze the current molecular diagnostic approaches applied to organ transplant biopsies.
- To identify the limitations of current molecular diagnostic tests in organ transplantation.
- To determine future research needed to advance to the adoption of molecular diagnostics in routine transplant care

🗨️ Speaker



Candice Roufosse

Imperial College

🗨️ Moderator



Alexandre Loupy

Professor in Nephrology and Epidemiology
Université de Paris Cité, APHP Hôpital Necker, Paris, Paris Transplant Group

8 Subsessions

● **The MMDx Pipeline: Fit For All Organs?**

🕒 1:30 PM - 1:50 PM, Sep 19

● **The B-HOT Panel**

🕒 1:50 PM - 2:10 PM, Sep 19

● **The ICDOT Study**

🕒 2:10 PM - 2:30 PM, Sep 19

● **Molecular Microscopy: Biological Insight Vs Diagnostic Accuracy**

🕒 2:30 PM - 2:50 PM, Sep 19

● **Afternoon Break**

🕒 2:50 PM - 3:20 PM, Sep 19

📍 KC 100 Galleria

● **View For The Bedside: What Does The Clinician Want To Know From Molecular Diagnostics?**

🕒 3:20 PM - 3:40 PM, Sep 19

● **Developing A Validation Plan For Molecular Diagnostics In Transplant Pathology**

🕒 3:40 PM - 4:00 PM, Sep 19

● **Group Discussion**

🕒 4:00 PM - 5:00 PM, Sep 19

3:05 PM

Fellows Symposium Afternoon Break

🕒 3:05 PM - 3:30 PM, Sep 19

📍 KC 100 Galleria

Fellows

3:30 PM

Career Planning Session

🕒 3:30 PM - 4:30 PM, Sep 19

📍 KC 101/103/105

Fellows

On-Demand Session Replay

 Moderator



Chaya Shwaartz
Transplant and HPB surgery
UHN

3 Subsessions

- **How to become a successful clinician administrator**
🕒 3:30 PM - 3:50 PM, Sep 19
- **Quality improvement and patient safety**
🕒 3:50 PM - 4:10 PM, Sep 19
- **How to become a successful clinician researcher**
🕒 4:10 PM - 4:30 PM, Sep 19

Tue, Sep 20, 2022

7:00 AM

Banff Breakfast

🕒 7:00 AM - 7:50 AM, Sep 20
📍 Vistas Dining Room

Banff

Please show your conference badge for complimentary breakfast.

Fellows Symposium Breakfast

🕒 7:00 AM - 7:50 AM, Sep 20
📍 Vistas Dining Room

Fellows

Please show your Fellows Symposium badge for complimentary breakfast.

8:00 AM

Banff Kidney Session I: Chronicity in Rejection/The I-IFTA Challenge (With Input From WG)

🕒 8:00 AM - 11:50 AM, Sep 20
📍 Max Bell Auditorium

Banff

On-Demand Session Replay

Learning Objectives:

- To critically appraise tubulo-interstitial inflammation and chronic-active T cell-mediated rejection, seeking consensus on how to classify and report chronic rejection.
- To re-analyze the rationale behind the current definition of chronic active TCMR.
- To discuss TCMR persistence & recurrence and the impact on outcomes.

 Moderator



Agnes Fogo
Vanderbilt University Medical Center



Olivier Aubert
Associate professor
Paris Transplant Group / Necker hospital

10 Subsessions

● **The initial evidence and rational for chronic active TCMR**

🕒 8:00 AM - 8:20 AM, Sep 20

● **Clinical correlates and temporal evolution of TCMR**

🕒 8:20 AM - 8:40 AM, Sep 20

● **t-atr, t-IFTA and t**

🕒 8:40 AM - 9:00 AM, Sep 20

● **The non-specificity of i-IFTA and association with ABMR**

🕒 9:00 AM - 9:20 AM, Sep 20

● **Differentiating chronic TCMR from other types of chronic injury**

🕒 9:20 AM - 9:40 AM, Sep 20

● **Break**

🕒 9:40 AM - 10:10 AM, Sep 20

📍 KC 100 Galleria

● **Treatment of chronic active TCMR**

🕒 10:10 AM - 10:30 AM, Sep 20

● **Report of the TCMR working group: Prospects of Studying i-IFTA and t-IFTA**

🕒 10:30 AM - 10:45 AM, Sep 20

● **Chronic active rejection: toward a simpler and more granular approach**

🕒 10:45 AM - 11:00 AM, Sep 20

● **GROUP DISCUSSION**

🕒 11:00 AM - 11:50 AM, Sep 20

Banff Liver Working Group

🕒 8:00 AM - 12:00 PM, Sep 20

📍 MB 253

Banff

On-Demand Session Replay

Learning Objectives:

- To identify the current knowledge gaps in liver transplant pathology.
- To analyze the limitations of the current Banff liver allograft pathology classification.
- To determine the next steps in refining the Banff liver allograft pathology standardization.

3 Subsessions

● **Scoring Steatosis in Donor Livers Semi-Quantitative Versus Software-Assisted Evaluation**

🕒 8:00 AM - 9:00 AM, Sep 20

● **Grading Late Liver Allograft Rejection: Is a New System Needed**

🕒 9:30 AM - 10:30 AM, Sep 20

● **Development of a Grading System for Nodular Regenerative Hyperplasia after Liver Transplantation**

🕒 11:00 AM - 12:00 PM, Sep 20

HLA Session 2

🕒 8:00 AM - 10:00 AM, Sep 20

📍 KC 101/103/105

Fellows

On-Demand Session Replay

👤 Moderator



Robert Liwski

MD, PhD, FRCPC, A(ACHI)
Dalhousie University

5 Subsessions

- **Welcome**
⌚ 8:00 AM - 8:10 AM, Sep 20
- **Highly Sensitized Patients**
⌚ 8:10 AM - 8:40 AM, Sep 20
- **ABO Incompatible**
⌚ 8:40 AM - 9:10 AM, Sep 20
- **Kidney Organ Allocation**
⌚ 9:10 AM - 9:40 AM, Sep 20
- **Benefits of AFC**
⌚ 9:40 AM - 10:00 AM, Sep 20

10:00 AM

Fellows Symposium Morning Break

⌚ 10:00 AM - 10:30 AM, Sep 20
📍 KC 100 Galleria

[Fellows](#)

10:30 AM

Trainee Research Symposium (“I feel more comfortable this way”: Relationship between African, Caribbean and Black kidney transplant candidates and recipients and their healthcare providers in living donation - a qualitative analysis, Ghazaleh Ahmadzadeh)

⌚ 10:30 AM - 12:00 PM, Sep 20
📍 KC 101/103/105

[CST](#) [Fellows](#) [On-Demand Session Replay](#)

Abstract Title	Speaker	University
“I feel more comfortable this way”: Relationship between African, Caribbean and Black kidney transplant candidates and recipients and their healthcare providers in living donation - a qualitative analysis	Ghazaleh Ahmadzadeh	UHN
The impact of the COVID-19 pandemic on Canadian transplant journeys: A mixed-methods study	Danielle Fox	University of Calgary
COVID-19 hospitalizations and hospital outcomes among transplant recipients in Canada	Katrina Sullivan	Canadian Institute for Health Information
HLA-II subclasses behave differently between themselves and between humans: cues to understand alloreactivity	Stephanie Beland	CRCHU- Université Laval
Non-A1 blood group to B/O kidney transplantation: A single centre experience	Sonali de Chickera	University of Western Ontario
Turf Wars: Divisive renal governance in Canada and its consequences for living donor kidney transplantation	Anna Horton	McGill University

👤 Moderator



Rahul Mainra
Professor of Medicine
University of Saskatchewan



Olwyn Johnston
Clinical Associate Professor of Medicine
University of British Columbia

👤 Speakers



Ghazaleh Ahmadzadeh
Student Researcher
University Health Network



Anna Horton
Qualitative researcher
McGill University



Danielle Fox
PhD Candidate
The University of Calgary



Stephanie Beland
PhD student
CRCHU-Université Laval



Katrina Sullivan
Canadian Institute for Health Information (CIHI)



Sonali de Chickera
Assistant Professor
McGill University Health Centre

12:00 PM

Lunch Symposium: Donor Biopsies Revisited

🕒 12:00 PM - 1:00 PM, Sep 20

📍 KC 303

Banff

Learning Objectives:

- To revisit and update current Banff guidance for interpreting donor biopsies.
 - To understand the benefits and downsides of donor biopsy assessment for organ allocation.
 - To discuss the future need and role of donor biopsies in kidney transplantation.
-

👤 Moderator



Desley Neil



Parmjeet Randhawa
Professor of Pathology
University of Pittsburgh

3 Subsessions

● **The Prognostic Value of Implantation Biopsies: The EU Perspective**

🕒 12:00 PM - 12:20 PM, Sep 20

● **Using Time-Zero Biopsies for Allocation Decisions: The US Experience**

🕒 12:20 PM - 12:40 PM, Sep 20

● **Group Discussion**

🕒 12:40 PM - 1:00 PM, Sep 20

Fellows Symposium Lunch

🕒 12:00 PM - 12:50 PM, Sep 20

📍 Vistas Dining Room

[Fellows](#)

Please show your conference badge for complimentary lunch.

12:30 PM

CST Pharmacist Group Business Meeting

🕒 12:30 PM - 1:30 PM, Sep 20

📍 KC 305

[Closed Meeting](#)

[CST](#)

1:00 PM

Banff Liver Concurrent: Long-Term Allograft Monitoring

🕒 1:00 PM - 5:15 PM, Sep 20

📍 MB 253

[Banff](#)

[On-Demand Session Replay](#)

Learning Objectives:

- To identify current approaches to long-term allograft monitoring after liver transplantation.
- To determine the gaps and limitations in current long-term allograft monitoring after liver transplantation.
- To discuss future research needed to improve long-term allograft monitoring after liver transplantation.

👤 Moderator



Thomas Schiano

Transplantation Institute



Maxwell Smith

Mayo Clinic

7 Subsessions

- **Long-term allograft monitoring for clinical practice and translational research: What are the goals?**
🕒 1:00 PM - 1:10 PM, Sep 20
- **Clinical Perspective: What do we need? Where does biopsy fit in?**
🕒 1:10 PM - 1:55 PM, Sep 20
- **Invasive monitoring: Comparison of the Different mRNA Expression Profiles**
🕒 1:55 PM - 2:40 PM, Sep 20
- **Afternoon Break**
🕒 2:40 PM - 3:00 PM, Sep 20
📍 KC 100 Galleria
- **Long-term Liver & Allograft Immune Microanatomy**
🕒 3:00 PM - 3:45 PM, Sep 20
- **Prevalence, Histopathological Features and Reporting of Acquired Chronic Allograft Injury (30 min presentation + 15 min discussion)**
🕒 3:45 PM - 4:30 PM, Sep 20
- **Biopsy-guided Immunosuppression Management after Liver Transplantation**
🕒 4:30 PM - 5:15 PM, Sep 20

Concurrent Organ Case Studies

🕒 1:00 PM - 3:00 PM, Sep 20

Fellows

Small group organ specific case studies will be virtual only.

Please select the organ and/or population demographic session you would like to attend and join the zoom meeting.

6 Subsessions

- **Kidney/Pancreas Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20
- **Liver Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20
- **Adult and Pediatric Lung Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20
- **Adult Heart Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20
- **Pediatric Kidney Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20
- **Pediatric Heart Case Studies**
🕒 1:00 PM - 3:00 PM, Sep 20

CLTN Business Meeting

🕒 1:00 PM - 5:00 PM, Sep 20

📍 KC 201

Closed Meeting

CST

1:10 PM

Banff And Clinical Trial Design In Kidney Transplantation (With Input From WG)

🕒 1:10 PM - 5:00 PM, Sep 20

📍 Max Bell Auditorium

Banff

On-Demand Session Replay

Learning Objectives:

- To summarize the definition of histological rejection (BPAR, TCMR, ABMR) and composite markers incorporating histological features as primary or surrogate endpoints in clinical trials.
- To discuss the relevance of subclinical injury in protocol biopsies, and discuss the potential use but also drawbacks of subclinical histology as an endpoint for trials.
- To outline the progress in the validation process of composite scoring systems like iBox for use as endpoint in clinical trials.

🚩 Moderator



Candice Roufosse

Imperial College



Alexandre Loupy

Professor in Nephrology and Epidemiology
Université de Paris Cité, APHP Hôpital Necker, Paris, Paris Transplant Group

10 Subsessions

● **BPAP vs. TCMR: the reason why clinical trials don't work?**

🕒 1:10 PM - 1:30 PM, Sep 20

● **ABMR as endpoint for clinical trials**

🕒 1:30 PM - 1:50 PM, Sep 20

● **The value of protocol biopsies in clinical trials**

🕒 1:50 PM - 2:10 PM, Sep 20

● **Lessons learned from the rejection phenotypes in recent clinical trials**

🕒 2:10 PM - 2:30 PM, Sep 20

● **The future in designing trials for rejection treatment**

🕒 2:30 PM - 2:50 PM, Sep 20

● **Afternoon Break**

🕒 2:50 PM - 3:20 PM, Sep 20

📍 KC 100 Galleria

● **Why would we want a surrogate endpoint for late failure?**

🕒 3:20 PM - 3:40 PM, Sep 20

● **Looking inside the black (i)box**

🕒 3:40 PM - 4:00 PM, Sep 20

● **TTC: the road to validation of a surrogate endpoint**

🕒 4:00 PM - 4:20 PM, Sep 20

● **GROUP DISCUSSION**

🕒 4:20 PM - 5:00 PM, Sep 20

Banff Lung Concurrent

🕒 1:10 PM - 5:10 PM, Sep 20

📍 MB 252

Banff

Learning Objectives:

- To identify the current knowledge gaps in lung transplant pathology.
- To determine the limitations of the current Banff lung allograft pathology classification.
- To discuss next steps in refining the Banff lung allograft pathology classification.

🚩 Moderator



Elizabeth Pavlisko

Associate Professor of Pathology
Duke University Medical Center



Gerald Berry

Professor of Pathology
Stanford University



Benjamin Adam

Pathologist, Associate Professor
University of Alberta



John Greenland

Associate Professor
University of California, San Francisco

12 Subsessions

- **"Non-rejection" Lung Allograft Pathology: Acute and organizing lung injury**
⌚ 1:10 PM - 1:30 PM, Sep 20
- **"Non-rejection" Lung Allograft Pathology: Markers of Lung Injury**
⌚ 1:30 PM - 2:00 PM, Sep 20
- **"Non-rejection" Lung Allograft Pathology: BALT in the lung allograft**
⌚ 2:00 PM - 2:30 PM, Sep 20
- **Afternoon Break**
⌚ 2:30 PM - 3:00 PM, Sep 20
📍 KC 100 Galleria
- **New Technologies: AI and Molecular - AI in lung transplant**
⌚ 3:00 PM - 3:20 PM, Sep 20
- **New Technologies: AI and Molecular - CT scan: diagnostic and prognostic value**
⌚ 3:20 PM - 3:40 PM, Sep 20
- **New Technologies: AI and Molecular - Update on the molecular field**
⌚ 3:40 PM - 4:00 PM, Sep 20
- **New Technologies: AI and Molecular - Cell Free DNA**
⌚ 4:00 PM - 4:20 PM, Sep 20
- **New Technologies: AI and Molecular - Molecular Diagnosis of Airway Inflammation and CLAD**
⌚ 4:20 PM - 4:40 PM, Sep 20
- **Group Discussion: ISHLT/Banff "Grid" update**
⌚ 4:40 PM - 4:50 PM, Sep 20
- **Group Discussion: AMR molecular signature project update**
⌚ 4:50 PM - 5:00 PM, Sep 20
- **Group Discussion: Banff Paper Proposal**
⌚ 5:00 PM - 5:10 PM, Sep 20

3:00 PM

CST Kidney Group Business Meeting

⌚ 3:00 PM - 4:30 PM, Sep 20

📍 KC 301

Closed Meeting

CST

🗣️ Speaker



Jag Gill

Associate Professor
University of British Columbia

A Vision for the Future of the Canadian Donation and Transplantation Research Ecosystem

⌚ 3:00 PM - 4:00 PM, Sep 20

📍 KC 305

Banff

CST

There is consensus that the lack of a unified approach to Canadian donation and transplantation research and innovation represents a major barrier to establishing pan-system priorities for research and to maximizing the benefits of research. Driven by the Organ Donation and Transplantation Collaborative, funded by Health Canada, and supported by the Canadian Donation and Transplantation Research Program, the project "Mapping the Canadian Research and Innovation Ecosystem in Organ Donation and Transplantation" sought to create a clear view of the research and innovation ecosystem and create a shared vision for the future. Who are all of the stakeholders in the ecosystem and what roles do they play? What are the current gaps and opportunities for improvement in research and innovation in Canada? What is the future vision for the research and innovation ecosystem in Canada? What are the next steps in bringing this vision closer to reality?

This session will overview and discuss the project results: a national, community-generated vision for a more effective and aligned research and innovation ecosystem and the potential actions that could help get us there.

🗣️ Speaker



Patricia Gongal

Executive Director
Canadian Donation and Transplantation Research Program

🗣️ Panelist



Matthew Weiss

Medical Director of Donation
Transplant Québec



Leanne Stalker

National Director of Research
Kidney Foundation of Canada



Heiko Blaser

Medical Director, Rare Diseases
Takeda Canada Inc.



Catherine Butler

Director
Canadian Blood Services

4:00 PM

E-Posters Session

🕒 4:00 PM - 6:00 PM, Sep 20

This is the dedicated time when e-Poster presenters will be available for live chat and Q&A. However, e-Posters will be available for viewing for the entirety of the meeting at the virtual poster hall (September 20 - 23).

5:00 PM

CST Welcome and Barriers to Living Donation Panel

🕒 5:00 PM - 6:30 PM, Sep 20

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objectives:

To identify opportunities for exchange of current research among conference attendees and peer network regarding recent research in the field of transplantation, donation and pathology.

🗣️ Moderator



Anne Halpin

Laboratory Scientist II
Alberta Precision Laboratories



Jenny Wichart

Pharmacy Clinical Practice Leader
Alberta Health Services

👤 Speakers



Philip Bobawsky
Patient Advisor
Alberta Health Services



Dianna Havin



Istvan Mucsi
uhn



Seychelle Yohanna
McMaster University

6:30 PM

CST Pediatric Group AGM

🕒 6:30 PM - 9:00 PM, Sep 20

📍 KC 305

CST

Please let us know if you can join us by filling out this short RSVP form:

<https://www.surveymonkey.com/r/6JPYHLB>

👤 Chair



Chia Wei Teoh
Assistant Professor
University of Toronto

Wed, Sep 21, 2022

7:00 AM

Breakfast Symposium: The Immunology Versus Phenotype of Rejection

🕒 7:00 AM - 8:30 AM, Sep 21

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objectives:

- To determine the current status and ongoing developments in the field of digital pathology and automated evaluation of whole slide images using deep learning tools.
- To identify how systems biology approaches, integrating different omics platforms, enriches our understanding of transplant pathologies.
- To identify advanced algorithms for predicting the immunologic risk of an organ transplantation, as well as advanced statistical models for predicting transplant outcomes.

🚩 Speakers



Jasper Callemeyn

MD PhD
KU Leuven



Olivier Thaumat

Professor in Nephrology and Clinical Immunology
University Claude Bernard



Anita Chong

Professor
The University of Chicago

🚩 Moderator



Candice Roufosse

Imperial College



Leonardo V. Riella

Director of Kidney Transplantation
Harvard Medical School

3 Subsessions

● Lessons From Single Cell Experiments

🕒 7:20 AM - 7:40 AM, Sep 21

● Cell Trafficking In Rejection

🕒 7:40 AM - 8:00 AM, Sep 21

● Not Just Allo-Immunity: Auto-Immunity Revealed

🕒 8:00 AM - 8:20 AM, Sep 21

8:30 AM

Nurses and Allied Health Professionals Education Forum

🕒 8:30 AM - 11:00 AM, Sep 21

📍 KC 305

CST

On-Demand Session Replay

My presentation will be on how virtual healthcare can help alleviate the financial burden associated with continuous in-person visits in solid organ transplant patients.

📌 Speakers



Vanessa Silva e Silva

Assistant Professor
Brock University



Caroline Piotrowski

Associate Professor of Community Health Sciences
University of Manitoba



Janet Madill

Professor
Brescia university college



Pearl Waraich

Student Intern
BC Children's Hospital, University of British Columbia



Mohammad Asgharzadeh

Research Scientist
University of British Columbia



Katrina Sullivan

Canadian Institute for Health Information (CIHI)

📌 Moderator



Julie Strong

Pediatric Kidney Transplant Coordinator
Transplant Manitoba- Pediatric Kidney Program, Children's Hospital, HSC, Winnipeg



Cindy Adema

RN Renal Transplant
St Josephs Hospital Hamilton Ontario

5 Subsessions

● How burnout, compassion fatigue and other work-related issues has been affecting nurses in organ donation roles and what are we doing about it?

🕒 8:30 AM - 9:05 AM, Sep 21

● Trauma-informed approaches to care: Now more than ever

🕒 9:05 AM - 9:40 AM, Sep 21

● Vitamin D deficiency in transplantation-the good, the bad, the ugly.

🕒 9:40 AM - 10:15 AM, Sep 21

● Allied Health Abstract Presentations

🕒 10:15 AM - 10:45 AM, Sep 21

● Business Meeting

🕒 10:45 AM - 11:00 AM, Sep 21

Joint Plenary: Digital Pathology and Artificial Intelligence for Clinical Decision Support

🕒 8:30 AM - 11:00 AM, Sep 21

📍 KC 101/103/105

[Banff](#)

[CST](#)

[On-Demand Session Replay](#)

Learning Objectives:

- To determine the current status and ongoing developments in the field of digital pathology and automated evaluation of whole slide images using deep learning tools.
- To identify how systems biology approaches, integrating different omics platforms, enriches our understanding of transplant pathologies.
- To identify advanced algorithms for predicting the immunologic risk of an organ transplantation, as well as advanced statistical models for predicting transplant outcomes.

Speakers



Jishnu Das
Assistant Professor
University of Pittsburgh



Bo Wang
Assistant Professor
University of Toronto



Jeroen van der Laak
Professor
Radboud University Medical Center Nijmegen



Alexandre Loupy
Professor in Nephrology and Epidemiology
Université de Paris Cité, APHP Hôpital Necker, Paris, Paris Transplant Group



Chris Wiebe

Moderator



Jesper Kers
Amsterdam UMC, Leiden UMC



Lynn Cornell
Professor of Laboratory Medicine and Pathology
Mayo Clinic

6 Subsessions

● **Integrated systems biology in transplantation**

🕒 8:30 AM - 8:50 AM, Sep 21

● **Unpacking the AI Toolbox**

🕒 8:50 AM - 9:10 AM, Sep 21

● **Lessons From Deep Learning on Tissue Slides**

🕒 9:10 AM - 9:30 AM, Sep 21

● **Morning Break**

🕒 9:30 AM - 10:00 AM, Sep 21

📍 KC 203/205

● **When are we ready to implement epitope matching in risk stratification and allocation?**

🕒 10:00 AM - 10:30 AM, Sep 21

● **From statistical modelling to decision support systems, using routine clinical data**

🕒 10:30 AM - 11:00 AM, Sep 21

9:30 AM

Morning Break

🕒 9:30 AM - 10:00 AM, Sep 21

📍 Exhibit Hall

Banff

CST

11:00 AM

CST Pharmacist Education Session

🕒 11:00 AM - 1:30 PM, Sep 21

📍 KC 305

CST

Objectives of the session include expanding the attendant's knowledge on the management of CMV and new therapies, and understanding strategies to build resiliency in healthcare practices.

🗣️ Speakers



Atul Humar

Professor, Department of Medicine
University of Toronto



Jamie Kellar

Associate Dean Academic
University of Toronto

2 Subsessions

● **Update on the management of CMV with a focus on new therapies**

🕒 11:00 AM - 12:00 PM, Sep 21

● **Learning to Bounce: Building Resiliency in Healthcare**

🕒 12:30 PM - 1:30 PM, Sep 21

CST Plenary: Big Data

🕒 11:00 AM - 12:30 PM, Sep 21

📍 KC 101/103/105

CST

On-Demand Session Replay

Learning Objectives:

- To summarize national databases updating the transplantation society.
- To determine potential successes and barriers and new areas to pursue.

🗣️ Speakers



Jag Gill

Associate Professor
University of British Columbia



Jeff Green

Director, Organ Donation and Transplantation Program
Canada Health Infoway



Ryanna Bowling

Program Lead, Organ Donation and Transplantation Project
Canadian Institute for Health Information



Michel Paquet

Transplant Nephrologist
CHUM, Montréal

 Moderator



Joseph Kim
Staff Nephrologist
University Health Network



Olwyn Johnston
Clinical Associate Professor of Medicine
University of British Columbia

3 Subsessions

- **Canadian Organ Replacement Registry (CORR) Update**
🕒 11:00 AM - 11:30 AM, Sep 21
- **Developing a modernized pan-Canadian organ donation and transplantation (ODT) data and performance reporting system: Progress from the past year**
🕒 11:30 AM - 12:00 PM, Sep 21
- **Presentation from Canadian Blood Services**
🕒 12:00 PM - 12:30 PM, Sep 21

Banff Working Group Meetings

🕒 11:00 AM - 12:00 PM, Sep 21
📍 Max Bell Auditorium

Banff

12:10 PM

Lunch Symposium: Digital pathology

🕒 12:10 PM - 1:30 PM, Sep 21
📍 Max Bell Auditorium

Banff

On-Demand Session Replay

Learning Objectives:

- To identify current advances in digital pathology applied to transplant biopsy whole slide images.
- To determine the limitations and challenges of digital pathology and machine learning-derived tools in routine practice.
- Report from the Banff Digital Pathology working group. <https://banfffoundation.org/digital-pathology-working-group/>.

 Speakers



Jesper Kers
Amsterdam UMC, Leiden UMC



Pinaki Sarder
Associate Professor (Tenured) of Quantitative Health, Medicine - Nephrology
University of Florida



Alton Farris
Director, Laboratory of Nephropathology and Electron Microscopy, and Professor
Emory University

Moderator



Kim Solez
Professor of Pathology
University of Alberta



Chris Bellamy
Reader in hepatic and renal pathology
University of Edinburgh

4 Subsessions

● **Diving in DEEPGRAFT**

🕒 12:10 PM - 12:30 PM, Sep 21

● **All HAIL**

🕒 12:30 PM - 12:50 PM, Sep 21

● **Report of the WG**

🕒 12:50 PM - 1:10 PM, Sep 21

● **Discussion**

🕒 1:10 PM - 1:30 PM, Sep 21

12:30 PM

Networking Lunch with Sponsors / Marketplace Presentations

🕒 12:30 PM - 1:30 PM, Sep 21

📍 KC 203/205

CST

1:30 PM

AST @ CST COVID - COVID-19 and Transplantation: From Pandemic to Endemic

🕒 1:30 PM - 3:00 PM, Sep 21

📍 KC 101/103/105

CST

On-Demand Session Replay

Learning Objective:

To summarize the challenges and advances in COVID vaccinations, therapies, and treatments.

Speakers



Ricardo La Hoz
Director, Solid Organ Transplant Infectious Diseases
University of Texas Southwestern Medical Center



Deepali Kumar
University Health Network



Derek Clark



Marcus Pereira
Assistant Professor of Medicine, Medical Director of Transplant Infectious Disease Program
Columbia University

 Moderator



Josh Levitsky
Physician
Northwestern University



Jag Gill
Associate Professor
University of British Columbia

5 Subsessions

- **Can We Safely Use Donors with a History of COVID?**
🕒 1:30 PM - 1:45 PM, Sep 21
- **What's In and What's Out: COVID Therapies for Transplant Recipients**
🕒 1:45 PM - 2:00 PM, Sep 21
- **Boosters and Antibodies: Preventing COVID in Transplantation**
🕒 2:00 PM - 2:15 PM, Sep 21
- **Navigating the Canadian System for COVID-19 Treatment and Prevention**
🕒 2:15 PM - 2:25 PM, Sep 21
- **Discussion**
🕒 2:25 PM - 3:00 PM, Sep 21

1:40 PM

Banff Kidney Concurrent: Microcirculation Inflammation (with input from WGs)

🕒 1:40 PM - 5:30 PM, Sep 21

📍 Max Bell Auditorium

Banff

On-Demand Session Replay

Learning Objectives:

- To employ the definition of ABMR according to the current Banff classification, with focus on the different risk factors for the phenotype.
- To determine the relative contribution of HLA-DSA vs. non-HLA DSA and innate mechanisms of allorecognition in the phenotype of microvascular rejection.

 Moderator



Benjamin Adam
Pathologist, Associate Professor
University of Alberta



Maarten Naesens
Professor
KU Leuven

10 Subsessions

- **The spectrum of ABMR and for histologic features suspicious for ABMR**
⌚ 1:40 PM - 2:00 PM, Sep 21
- **Presence, absence and impact of HLA-DSA, how can we measure it?**
⌚ 2:00 PM - 2:20 PM, Sep 21
- **Non-HLA DSA from clinical perspective**
⌚ 2:20 PM - 2:40 PM, Sep 21
- **A causal role of missing self in microvascular rejection?**
⌚ 2:40 PM - 3:00 PM, Sep 21
- **Afternoon Break**
⌚ 3:00 PM - 3:30 PM, Sep 21
📍 KC 203/205
- **Report of the peritubular capillaritis working group**
⌚ 3:30 PM - 3:50 PM, Sep 21
- **How specific for rejection is microvascular inflammation in early post-transplant renal allograft biopsies?**
⌚ 3:50 PM - 4:10 PM, Sep 21
- **Histological (re)classification of HLA-DSA positive ABMR**
⌚ 4:10 PM - 4:30 PM, Sep 21
- **How to classify cases with MVI without detectable HLA-DSA**
⌚ 4:30 PM - 4:40 PM, Sep 21
- **GROUP DISCUSSION**
⌚ 4:40 PM - 5:30 PM, Sep 21

Banff Pancreas Concurrent

⌚ 1:40 PM - 5:30 PM, Sep 21

📍 MB 252

Banff

On-Demand Session Replay

Significant advances had been made in the understanding of pancreas allograft pathology in the past 3 decades, and the Banff pancreas group has outlined and disseminate knowledge about the main features of T-cell mediated and antibody mediated rejections. The objective of the current session is to incorporate new advancements and refinements to the schema for diagnosis and grading of rejection, and at the same time emphasize its clinical value. This will be achieved with targeted multidisciplinary discussions, and presentations by experienced pancreas transplant surgeons and pathologists.

👤 Moderator



Cinthia Drachenberg

University of Maryland
+14438968494



Catherine Horsfield

Guy's & St Thomas' London

12 Subsessions

● Introduction

🕒 1:40 PM - 1:45 PM, Sep 21

● Pancreas Transplant Rejection: RNA sequencing analysis

🕒 1:45 PM - 2:05 PM, Sep 21

● Non-invasive tools for the diagnosis of pancreas rejection

🕒 2:05 PM - 2:25 PM, Sep 21

● Technical failure vs. acute rejection: Histological studies

🕒 2:25 PM - 2:45 PM, Sep 21

● Clinical-biopsy correlations in different eras

🕒 2:45 PM - 3:05 PM, Sep 21

● Afternoon Break

🕒 3:05 PM - 3:35 PM, Sep 21

📍 KC 203/205

● Clinical-biopsy correlations

🕒 3:35 PM - 3:55 PM, Sep 21

● Clinical-biopsy correlations

🕒 3:55 PM - 4:15 PM, Sep 21

● Biopsy experience -1000 pancreas transplants

🕒 4:15 PM - 4:35 PM, Sep 21

● Clinic-pathological correlations of pancreas allograft biopsies

🕒 4:35 PM - 4:55 PM, Sep 21

● A systematic approach enhances diagnostic yield of pancreas allograft biopsies

🕒 4:55 PM - 5:10 PM, Sep 21

● Diagnosis of non-rejection processes in pancreas transplant biopsies

🕒 5:10 PM - 5:30 PM, Sep 21

Banff Heart Concurrent

🕒 1:40 PM - 5:30 PM, Sep 21

📍 MB 253

Banff

On-Demand Session Replay

Learning Objectives:

- To determine the current knowledge gaps in heart transplant pathology.
- To identify the limitations of the current Banff heart allograft pathology classification.
- To discuss next steps in refining the Banff heart allograft pathology classification.

🚩 Moderator



Patrick Bruneval

INSERM U970-Paris Transplant Group



Marny Fedrigo

Hospital-University of Padua



Gerald Berry

Professor of Pathology
Stanford University



Dylan Miller

Intermountain Healthcare

12 Subsessions

● **Introduction to the heart session**

🕒 1:40 PM - 1:45 PM, Sep 21

● **Technical Session: Digital pathology and AI in Heart transplant**

🕒 1:45 PM - 2:05 PM, Sep 21

● **Non-HLA allograft cardiac rejection. Are we now ready for routine diagnostic implementation?: Brief clinical discussion of scope of the problem**

🕒 2:05 PM - 2:15 PM, Sep 21

● **Non-HLA allograft cardiac rejection. Are we now ready for routine diagnostic implementation?: Immunologist's perspective**

🕒 2:15 PM - 2:35 PM, Sep 21

● **Non-HLA allograft cardiac rejection. Are we now ready for routine diagnostic implementation?: Pathologist's perspective**

🕒 2:35 PM - 2:55 PM, Sep 21

● **Non-HLA allograft cardiac rejection. Are we now ready for routine diagnostic implementation?: Molecular approach of non-HLA cardiac rejection**

🕒 2:55 PM - 3:15 PM, Sep 21

● **Afternoon Break**

🕒 3:15 PM - 3:45 PM, Sep 21

📍 KC 203/205

● **Mixed rejection in heart transplantation: Brief clinical discussion of scope of the problem**

🕒 3:45 PM - 3:55 PM, Sep 21

● **Mixed rejection in heart transplantation: Immunologist's perspective**

🕒 3:55 PM - 4:15 PM, Sep 21

● **Mixed rejection in heart transplantation: Pathologist's perspective**

🕒 4:15 PM - 4:35 PM, Sep 21

● **Mixed rejection in heart transplantation: Clinical significance, treatment and outcome**

🕒 4:35 PM - 4:55 PM, Sep 21

● **Mixed rejection in heart transplantation: Round table - Does pathology decipher mechanisms of rejection?**

🕒 4:55 PM - 5:30 PM, Sep 21

3:00 PM

Afternoon Break

🕒 3:00 PM - 3:30 PM, Sep 21

📍 KC 203/205

CST

3:30 PM

CST Plenary: Donation and Presumed Consent

🕒 3:30 PM - 5:30 PM, Sep 21

📍 KC 101/103/105

CST

Available to Live Stream

Learning Objective:

- To summarize current legislation regarding presumed consent and donation, and issues related to donation in Canada's Indigenous populations.

Speakers



Kristina Krmpotic

Associate professor
Dalhousie University



Matthew Weiss

Medical Director of Donation
Transplant Québec



Caroline Tait

Professor and Research Lead First Nations and Metis Organ Donation and Transplantation Network
University of Saskatchewan



Andrew Healey

Provincial Medical Director, Donation
Ontario Health (Trillium Gift of Life Network)



Thaddeus Pope

Professor
Mitchell Hamline School of Law

Moderator



Rahul Mainra

Professor of Medicine
University of Saskatchewan



Aviva Goldberg

Section Head, Pediatric Nephrology
University of Manitoba



Jennifer Chandler

Professor, Vice-Dean Research
University of Ottawa

4 Subsessions

● Nova Scotia Presumed Consent Update

🕒 3:30 PM - 3:55 PM, Sep 21

● Output of the International legislative forum on donation and transplantation

🕒 3:55 PM - 4:20 PM, Sep 21

● Debating Presumed Consent Legislation: Why is engagement of First Nations, Métis, and Inuit health leaders key to decision-making

🕒 4:20 PM - 4:45 PM, Sep 21

● Ethics Debate: Should Objections to a Brain Death Diagnosis be Accommodated?

🕒 4:45 PM - 5:30 PM, Sep 21

5:30 PM

2022 CST Awards Ceremony

🕒 5:30 PM - 6:00 PM, Sep 21

📍 KC 101/103/105

Banff

CST

Awards presentation for the 2022 CST Awards and Grants.

CST Lifetime Achievement Award
CST Excellence in Leadership Award
CST Education and Teaching Excellence Award
CST Research Excellence Award
CST Research Training Awards

And more....

👤 **Moderator**



Carlos Cervera
Assistant Professor
University of Alberta

6:00 PM

Break

🕒 6:00 PM - 6:30 PM, Sep 21

6:30 PM

T3 Dragon's Den Grant Competition

🕒 6:30 PM - 7:30 PM, Sep 21

📍 KC 303

Banff **CST** **On-Demand Session Replay**

The three chosen finalists will pitch their ideas to convince the Transplant Dragons and the audience that their project deserves the top prize.

On the line is \$100,000 in grant money! As ranked by the live audience, the top finalist will be awarded \$50,000 and the second and third-ranked finalists will each receive an award in the amount of \$25,000.

👤 **Speakers**



Holly Mansell
Associate Professor
University of Saskatchewan



Seychelle Yohanna
McMaster University



Shaifali Sandal
McGill

👤 **MC**



Lakshman Gunaratnam
University of Western Ontario London Health Sciences Centre

7:30 PM

CST Nursing and Allied Health Professionals Group Dinner

🕒 7:30 PM - 10:00 PM, Sep 21

📍 MacLab Bistro

CST

Dinner gathering for NAHP members. RSVP required. Please let us know if you can join us by filling out this short RSVP form <https://www.surveymonkey.com/r/38RTCTY>

Café Scientifique: The Legal & Ethical Status of Pre-Transplant Vaccine Requirements

🕒 7:30 PM - 8:30 PM, Sep 21

📍 Banff Ave Brewing Co.

Banff

CST

Café Scientifique: The Legal & Ethical Status of Pre-Transplant Vaccine Requirements: A Look at the Recent Legal Case of *Lewis v. Alberta Health Services*

** Unfortunately, this event will not be available for live stream or on-demand replay*

Earlier this year, an Alberta transplant patient sued the AHS, University Hospital, and several of her doctors over their mandatory, pre-transplant COVID-19 vaccination policy. While her lawsuit was ultimately unsuccessful, several important questions have emerged: what patient choices regarding their own care are protected by the *Canadian Charter of Rights and Freedoms*? Will COVID-19 vaccines continue to be mandatory as the pandemic evolves? And how effective does a vaccine have to be in order to become mandatory in the transplantation context?

This informal discussion over evening drinks and snacks will include brief presentations providing background on the case and setting the stage for our discussion of these issues. It will feature leading American biomedical legal scholar Thaddeus Mason Pope, as well as Dr. Darin Treleaven, Medical Director of Transplantation and Head of Clinical Service for Nephrology at St. Joseph's Healthcare, Hamilton Ontario.

All are warmly welcome to join this evening discussion over drinks as we consider the ethical and legal underpinnings of vaccine requirements for transplantation, and how such requirements are likely to evolve in the future.

In order that we are able to secure sufficient space at a local café or pub, we would greatly appreciate an RSVP to Professor Jennifer Chandler, Chair of the CST Ethics Committee, at chandler@uottawa.ca prior to Sept 1, 2022. Please also feel free to reach out with any questions.

** Drinks and food will be at participants' own cost*

🗣️ Speakers



Thaddeus Pope

Professor
Mitchell Hamline School of Law



Darin Treleaven

TGLN

Thu, Sep 22, 2022

7:00 AM

Breakfast Symposium: Standardized and Automated application of Banff rules in clinical trials and multicentre studies

🕒 7:00 AM - 8:20 AM, Sep 22

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objectives:

- To identify the algorithms for automated Banff rules and diagnosis.
- To determine the challenges in the practical application of Banff rules.
- To discuss novel artificial intelligence tools for assigning Banff diagnosis.

🔊 Speakers



Alexandre Loupy

Professor in Nephrology and Epidemiology
Université de Paris Cité, APHP Hôpital Necker, Paris, Paris Transplant Group



Anthony Demetris

UPMC



Maarten Naesens

Professor
KU Leuven



Jan Ulrich Becker

Pathologist
Institute of Pathology, University Hospital of Cologne

🔊 Moderator



Catherine Horsfield

Guy's & St Thomas' London



Ruth Sapir-Pichhadze

McGill University

4 Subsessions

- **Automated coding of Banff rules - The Paris system**
🕒 7:00 AM - 7:20 AM, Sep 22
- **Automated coding of Banff rules - The Pittsburgh system**
🕒 7:20 AM - 7:40 AM, Sep 22
- **Reclustering of acute rejection (severity) from the Banff lesion scores**
🕒 7:40 AM - 8:00 AM, Sep 22
- **Report of the Banff rules and Dissemination working group**
🕒 8:00 AM - 8:20 AM, Sep 22

8:30 AM

Joint Plenary: Xenotransplantation: Emerging Practices and Experience

🕒 8:30 AM - 11:00 AM, Sep 22

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objectives:

- To describe and summarize the immunology of xenotransplantation, and how this led to the development of specific xenopigs.
- To summarize the recent case series performed on pig kidney and pig heart transplants, including the pathological presentation post-transplant.
- To determine the hurdles and path forward to get xenotransplantation closer to clinical reality.

🔊 Speakers



Robert A. Montgomery



Massimo Mangiola

Clinical Associate Professor & Histocompatibility Clinical Consultant
NYU Langone Transplant Institute



Patrick Bruneval

INSERM U970-Paris Transplant Group



Ivy Rosales

Director, Histopathology Research Laboratory; Associate Director, Immunopathology Research Laboratory
Massachusetts General Hospital



David Ayares

Ph.D., President and Chief Scientific Officer
Revivicor

🔊 Moderator



Michael Mengel

Professor
University of Alberta



Leonardo V. Riella

Director of Kidney Transplantation
Harvard Medical School

6 Subsessions

● **The Immunology of Xenotransplantation**

🕒 8:30 AM - 8:55 AM, Sep 22

● **How to raise xenopigs**

🕒 8:55 AM - 9:20 AM, Sep 22

● **Morning Break**

🕒 9:20 AM - 9:45 AM, Sep 22

📍 KC 203/205

● **Post-mortem kidney cases in New York**

🕒 9:45 AM - 10:10 AM, Sep 22

● **The pathology the first 2 xenotransplants**

🕒 10:10 AM - 10:35 AM, Sep 22

● **Xenotransplant past present and future: Path toward Banff xenotransplant precision diagnostics initiative**

🕒 10:35 AM - 11:00 AM, Sep 22

9:20 AM

Morning Breaks

🕒 9:20 AM - 9:45 AM, Sep 22

📍 KC 203/205

Banff

CST

11:00 AM

Top Oral Abstract Presentations

🕒 11:00 AM - 12:15 PM, Sep 22

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objective:

- Participants will be able to explain cutting edge, high quality research in the areas of transplantation, donation and pathology and promote audience engage in discussion with presenter.

Time	<i>Presentation Title and Presenter</i>
11:05	<i>Airway lipopolysaccharide as a marker of bacterial colonization and predictor of chronic lung allograft dysfunction in lung transplant recipients</i> Rayoun Ramendra , University of Toronto <i>Apoptotic exosome-like vesicles mediate immune response dysregulation and kidney dysfunction following ischemia-reperfusion injury</i>
11:15	 Imane Kaci , Centre de recherche du Centre hospitalier de l'Université de Montréal (CRCHUM) <i>Discovery, validation and application of antibody-mediated rejection transcripts in a continuous retrospective cohort of kidney transplant biopsies.</i>
11:25	 Jack Beadle , Department of Immunology and Inflammation, Centre for Inflammatory Diseases, Imperial College London <i>Association of BKV viremia/nephropathy and adverse alloimmune outcomes in kidney transplant recipients</i>
11:35	 Christie Rampersad , University of Manitoba <i>Banff Human Organ Transplant consensus gene panel for detecting antibody mediated rejection in heart allograft biopsies</i>
11:45	 Alessia Giarraputo , Cardiovascular Pathology and Pathological Anatomy, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padua, Padua, Italy / Université de Paris Cité, INSERM, PARCC, Paris Translational Research Centre for Organ Transplantation, F-75015 Paris, France <i>Supplementation of organ preservation solution with sodium thiosulfate prolongs renal graft and recipient survival after syngeneic orthotopic kidney transplantation in rats</i>
11:55	 George Dugbartey , University of Western Ontario

🗨 Moderator



Holly Mansell
Associate Professor
University of Saskatchewan



Maarten Naesens
Professor
KU Leuven

Speakers



Christie Rampersad
University of Toronto



Rayoun Ramendra
MD Student
University of Toronto



Imane Kaci
PhD student
Université de Montréal



George Dugbartey
Postdoctoral Associate
University of Western Ontario



Jack Beadle
Imperial College London



Alessia Giarraputo
Paris Cardiovascular Research Center / Department of Cardiac, Thoracic and Vascular Sciences University of Padova

12:15 PM

Lunch Symposium: Non-invasive diagnostics (including WG)

🕒 12:15 PM - 1:35 PM, Sep 22

📍 Max Bell Auditorium

Banff

CST

On-Demand Session Replay

Learning Objectives:

- To determine the current minimal-invasive diagnostic approaches applied to organ transplant patients.
- To identify the limitations of current minimal-invasive diagnostic test in organ transplantation.
- To discuss future research needed to demonstrate the clinical utility of minimal-invasive diagnostic test in organ transplantation.

Moderator



Marian Clahsen-van Groningen
Head of Renal Pathology
Erasmus Medical Centre



Annette Jackson
Duke University

4 Subsessions

● Urinary diagnostics for subclinical rejection

🕒 12:15 PM - 12:35 PM, Sep 22

● Donor-derived cell-free DNA: a cross-organ marker for rejection or injury?

🕒 12:35 PM - 12:55 PM, Sep 22

● Mining the blood transcriptome

🕒 12:55 PM - 1:15 PM, Sep 22

● A Banff white paper for non-invasive diagnostics

🕒 1:15 PM - 1:35 PM, Sep 22

12:20 PM

Lunch Symposium: Transplant ID

🕒 12:20 PM - 1:40 PM, Sep 22

📍 KC 101/103/105

CST

On-Demand Session Replay

Learning Objective:

- To summarize approaches and treatment options for opportunistic infections in organ transplantation.

👤 Speakers



Dima Kabbani

Assistant Professor
University of Alberta



Jay Fishman

MGH Harvard Medical School

👤 Moderator



Shahid Husain

University Health Network



Carlos Cervera

Assistant Professor
University of Alberta

2 Subsessions

● **Role of monoclonal antibodies in the prevention and treatment of COVID 19**

🕒 12:20 PM - 1:00 PM, Sep 22

● **Infections in Xenotransplantation: The Untold Story**

🕒 12:55 PM - 1:40 PM, Sep 22

1:40 PM

Banff Vascularized Composite Allograft Concurrent

🕒 1:40 PM - 5:30 PM, Sep 22

📍 KC 301

Banff

On-Demand Session Replay

Learning Objectives:

- To identify the current knowledge gaps in Vascularized Composite Allograft transplant pathology.
- To determine the limitations of the current Banff Vascularized Composite Allograft pathology classification.
- To discuss next steps in refining the Banff Vascularized Composite allograft pathology classification.

👤 Moderator



Alton Farris

Director, Laboratory of Nephropathology and Electron Microscopy, and Professor
Emory University



Cinthia Drachenberg

University of Maryland
+14438968494

8 Subsessions

● Trachea Transplantation

🕒 1:40 PM - 2:00 PM, Sep 22

● Phallus Transplantation

🕒 2:00 PM - 2:20 PM, Sep 22

● The Dallas Uterus Transplant Study: Histological and Clinical update

🕒 2:20 PM - 2:40 PM, Sep 22

● Update on Uterus Transplantation Pathology

🕒 2:40 PM - 3:00 PM, Sep 22

● Non-invasive biomarkers of rejection in VCA

🕒 3:00 PM - 3:30 PM, Sep 22

● Vascular changes in VCA

🕒 3:30 PM - 3:50 PM, Sep 22

● Treatment of acute rejection in VCA

🕒 3:50 PM - 4:10 PM, Sep 22

● Revision of the VCA-Banff scoring system- Group Discussion

🕒 4:10 PM - 5:30 PM, Sep 22

Banff Liver Concurrent: The role of Non-invasive Tests in Long Term Allograft Monitoring

🕒 1:40 PM - 5:30 PM, Sep 22

📍 KC 305

Banff

On-Demand Session Replay

Learning Objectives:

- To identify the current knowledge gaps in liver transplant pathology.
- To determine the limitations of the current Banff liver allograft pathology classification.
- To discuss next steps in refining the Banff liver allograft pathology classification.

👤 Moderator



Geoff McCaughan

Head of Liver Injury and Cancer Program
Centenary Institute



Desley Neil

8 Subsessions

● DSA testing

🕒 1:40 PM - 1:55 PM, Sep 22

● Cell Free DNA

🕒 1:55 PM - 2:10 PM, Sep 22

● Liver stiffness

🕒 2:10 PM - 2:25 PM, Sep 22

● Panel discussion

🕒 2:25 PM - 2:45 PM, Sep 22

● Importance of chronic vascular lesions and fibrogenesis: Portal venopathy, NRH and v-lesions

🕒 2:45 PM - 3:30 PM, Sep 22

● Afternoon Break

🕒 3:30 PM - 3:50 PM, Sep 22

📍 KC 203/205

● Immunosuppression optimization in the long-term allograft

🕒 3:50 PM - 4:35 PM, Sep 22

● Decision making in 2030: How do we put it all together?

🕒 4:35 PM - 5:25 PM, Sep 22

CST Plenary: New Realities in Patient Care Delivery

🕒 1:40 PM - 3:00 PM, Sep 22

📍 KC 101/103/105

CST

On-Demand Session Replay

Learning Objectives:

- To summarize the current evidence on tele-health and its use in the management of transplant patients; and
- To determine the evidence on the management of the elderly and frail individuals undergoing transplant.

🗨️ Speakers



Dorry Segev

NYU



Lianne Singer

University Health Network, Toronto



Vanita Jassal

UHN



Lisa Wickerson

Physiotherapist, Assistant Professor
University Health Network and University of Toronto

🗨️ Moderator



Julie Strong

Pediatric Kidney Transplant Coordinator
Transplant Manitoba- Pediatric Kidney Program, Children's Hospital, HSC, Winnipeg



Jenny Wichart

Pharmacy Clinical Practice Leader
Alberta Health Services

4 Subsessions

● Conducting Clinical Trials Remotely

🕒 1:40 PM - 2:00 PM, Sep 22

● Virtual rehabilitation in transplantation: past, present & future

🕒 2:00 PM - 2:20 PM, Sep 22

● Frailty in Transplantation

🕒 2:20 PM - 2:40 PM, Sep 22

● Eldercare in Pre and Post Transplant

🕒 2:40 PM - 3:00 PM, Sep 22

3:00 PM

Organ Recovery Systems Break

🕒 3:00 PM - 3:25 PM, Sep 22

📍 KC 203/205

CST

3:25 PM

CST Plenary: Cutting-Edge Technologies in Transplantation

🕒 3:25 PM - 5:30 PM, Sep 22

📍 KC 101/103/105

CST

On-Demand Session Replay

Learning Objective:

- To determine new advances and technologies in transplantation in furthering organ donation and preservation of allografts.

🔗 **Speakers**



Marcelo Cypel
Professor of Surgery
University of Toronto



Alp Sener
Western University



Andrew Pepper
Assistant Professor
University of Alberta



Elmar Jaeckel
University Health Network



Ruth Sapir-Pichhadze
McGill University

🔗 **Moderator**



Paul Keown
Professor of Medicine
University of British Columbia



Atul Humar
Professor, Department of Medicine
University of Toronto

5 Subsessions

- **Creating universal blood-type organs for transplantation**
🕒 3:25 PM - 3:50 PM, Sep 22
- **Novel kidney preservation strategies: H2S additives and modification of storage temperatures may be the key to optimizing outcomes**
🕒 3:50 PM - 4:15 PM, Sep 22
- **Stem Cell Derived Islet**
🕒 4:15 PM - 4:40 PM, Sep 22
- **From Weaning to Tolerance**
🕒 4:40 PM - 5:05 PM, Sep 22
- **From bench to bedside and beyond: Update from the Genome Canada Transplant Consortium**
🕒 5:05 PM - 5:30 PM, Sep 22

6:00 PM

Women in Transplantation Panel Discussion and Networking Event

🕒 6:00 PM - 7:00 PM, Sep 22

📍 KC 201

Banff

CST

Sponsored by **Global Transplant Solutions**

Learning Objective:

- To engage transplant professionals and facilitate the advancement of gender equity and inclusiveness in transplantation.

📌 Speakers



Heather Ross

Site Lead
Ted Rogers Centre for Heart Research



Chaya Shwaartz

Transplant and HPB surgery
UHN



Tom Blydt-Hansen

📌 Moderator



Anne Halpin

Laboratory Scientist II
Alberta Precision Laboratories



Lori West

Professor, Departments of Pediatrics, Surgery, Medical Microbiology/Immunology and Laboratory Medicine/Pathology
University of Alberta

📌 Panelist



Annette Jackson

Duke University

8:00 PM

Thursday Night Social (Additional Fee)

🕒 8:00 PM - 11:59 PM, Sep 22

📍 KC 303

Banff

CST

Join us for a fun evening of music, dancing, drinks, and food at the **2022 Banff-CST Joint Social** on Thursday, September 22, 2022. This is the time to relax, kick back and enjoy some time with colleagues and friends we have not seen in-person since the pandemic.

The social will also feature the first ever Banff-CST Hidden Singer Competition! Our take on the popular Masked Singer Show will feature teams and individuals singing while hidden behind a screen to conceal their identities. The audience will then guess who the hidden singers are.

- Get your team ready and choose your song(s).
- Send your song choice(s) and team name and/or alias to admin@cst-transplant.ca.
- Be as creative as possible with your name/alias the point is to keep your identity hidden.
- Prizes will be awarded for various categories!

The Joint Social is an additional fee. Social ticket includes 2 drink tickets and appetizers. Cash bar also available.

Venue: Banff Center for Arts and Creativity

Date: Thursday, September 22, 2022

Time: 8:00 PM – 12 Midnight MT

Price: \$50 + Taxes

Fri, Sep 23, 2022

7:00 AM

CSL Behring Breakfast Symposium: Chronic Antibody Mediated Rejection

🕒 7:00 AM - 8:30 AM, Sep 23

📍 KC 101/103/105

Banff

CST

On-Demand Session Replay

Learning Objective:

- To summarize the new advancements in the detection, monitoring and therapy of chronic rejection.

📌 Speakers



Megan Levings

University of British Columbia



Stanley Jordan

Cedars-Sinai Medical Center



Annette Jackson

Duke University

📌 Moderator



James Lan

Assistant Professor; Medical Director, Vancouver Immunology Laboratory; Transplant Nephrologist
University of British Columbia



Robert Liwski

MD, PhD, FRCPC, A(ACHI)
Dalhousie University

3 Subsessions

● Cell Based Therapy in Chronic ABMR

🕒 7:00 AM - 7:30 AM, Sep 23

● Chronic Active ABMR

🕒 7:30 AM - 8:00 AM, Sep 23

● Detecting, Monitoring and Reporting Antibody Post Transplantation

🕒 8:00 AM - 8:30 AM, Sep 23

8:30 AM

CST Annual General Meeting

🕒 8:30 AM - 9:30 AM, Sep 23

📍 KC 101/103/105

CST

Banff Summary

🕒 8:30 AM - 12:00 PM, Sep 23

📍 Max Bell Auditorium

Banff

Learning Objectives:

- To summarize new knowledge shared at the 2022 Banff meeting sessions.
- To describe the current knowledge gaps in the Banff classification for Allograft Pathology.
- To discuss the future research and practice changes resulting from the 2022 Banff meeting.

1 Subsessions

● **Morning Break**

🕒 10:00 AM - 10:30 AM, Sep 23

📍 KC 100 Galleria

9:30 AM

Morning Break

🕒 9:30 AM - 10:00 AM, Sep 23

📍 KC 100 Galleria

CST

10:00 AM

CST Organ Concurrent Sessions

🕒 10:00 AM - 12:00 PM, Sep 23

CST

On-Demand Session Replay

2 Subsessions

● **CST Kidney Education Session - Advancing Living Donor Kidney Transplantation: Novel Strategies and Approaches**

🕒 10:00 AM - 12:00 PM, Sep 23

📍 KC 101/103/105

● **CST Lung Education Session**

🕒 10:00 AM - 12:00 PM, Sep 23

📍 KC 305