



THE UNIVERSITY OF BRITISH COLUMBIA  
Precision Medicine in Transplantation  
Research Excellence Cluster



## Precision Tx -Symposium

**December 12-13, 2022, Vancouver, B.C., Canada**

**Gordon and Leslie Diamond Health Care Centre, 2775 Laurel Street, Vancouver BC V5Z 1M9.**

All symposium sessions are in the Auditorium 1-020 at the entrance level. All coffee breaks and lunches are in rooms DHCC 2263 & 2264 (2<sup>nd</sup> floor, please use the staircase #3 inside the auditorium).

Please use [this link](#) to register for **virtual participation in the symposium**.

For **in-person participation**, contact [precision.transplantation@ubc.ca](mailto:precision.transplantation@ubc.ca)

## FINAL AGENDA

### Monday, December 12, 2022

Registration opens		8.30
<b>Opening session</b>		<b>9.00- 9.45</b>
<b>Session 1</b>	<b>Precision Medicine</b>	<b>9.45-10.50</b>
Morning coffee break		10.50-11.15
<b>Session 2</b>	<b>Graft Bioengineering</b>	<b>11.15-12.45</b>
Lunch		12.45-13.45
<b>Session 3</b>	<b>Stem Cell Transplantation</b>	<b>13.45-15.20</b>
Afternoon break		15.20-15.50
<b>Session 4</b>	<b>Societal Perspective</b>	<b>15.50-17.15</b>
End of Day 1		

### Tuesday, December 13, 2022

Arrival		8.30
<b>Session 5</b>	<b>Immune Monitoring</b>	<b>9.00-10.35</b>
Morning coffee break		10.35-11.00
<b>Session 6</b>	<b>Personalized Therapeutics</b>	<b>11.00-12.35</b>
Lunch		12.35-13.30
<b>Session 7</b>	<b>Advanced Technology and Computational Biology</b>	<b>13.30-15.05</b>
Afternoon break		15.05-15.30
<b>Closing Session</b>		<b>15.30-16.30</b>
End of Symposium		

We acknowledge the support of our funding agencies and our industry sponsors:



THE UNIVERSITY OF BRITISH COLUMBIA  
Precision Medicine in Transplantation  
Research Excellence Cluster



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# PTx FINAL AGENDA DAY 1

Monday, December 12, 2022

8.30	Registration opens	Outside the Auditorium
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9.00-9.45	Opening session	Auditorium
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**Welcome address – Karen Sherwood**, VCH, GCTC, UBC Precision Medicine in Transplantation Cluster

**Keynote – Philip O’Connell**, Westmead Institute for Medical Research, Australia  
**Predictive biomarkers to facilitate personalised management of transplant care**

9.45-10.50	Session 1	<b>Precision Medicine</b> <b>Moderated by Jenny Tran, VCH</b> <b>Mentor James Lan, UBC / VGH</b>	Auditorium
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- **Karen Sherwood**, VCH, GCTC, UBC Precision Medicine in Transplantation Cluster
  - How to build Clusters of Excellence for Effective Innovation in Transplantation
- **Matthias Niemann**, Pirche AG, Germany (VIRTUAL)
  - Allele-specific solvent accessible amino acid mismatches are correlated with immunizer-specific HLA antibodies after kidney transplantation or pregnancy

10.50-11.15	Morning coffee break	2 <sup>nd</sup> floor rooms DHCC 2263 & 2264
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11.15-12.45	Session 2	<b>Graft Bioengineering</b> <b>Moderated by Anne Halpin, University of Alberta</b> <b>Mentor Tom Blydt-Hansen, UBC</b>	Auditorium
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- **Giuseppe Orlando**, Wake Forest University, USA (VIRTUAL)
  - Organ Transplantation, Bioengineering, Regeneration, Repair and Preservation: The Words May Change, but the Substance Remains the Same
- **Rabindra Bhattacharjee**, Western University, Canada
  - Preservation and protection of human kidneys at room temperature through oxygenated machine perfusion with repositioned drug
- **John Coleman**, Avivo Biomedical Inc., Canada
  - Converting organ blood-type to enable ABOi transplants with deceased donor organs

12.45-13.45	Lunch	2 <sup>nd</sup> floor rooms DHCC 2263 & 2264
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13.45-15.20	Session 3	<b>Stem Cell Transplantation</b> <b>Moderated by Karen Sherwood, VCH</b> <b>Mentor Michael Barnett, UBC</b>	Auditorium
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- **Clint Valentine**, TwinStrand Biosciences, USA
- **Florian Kuchenbauer**, BC Cancer Research, Canada
  - Steering new directions for the treatment of AML
- **Thomas Nevill**, VGH, UBC, Canada
  - Optimizing Outcome in Unrelated Donor Stem Cell Collection Through Improved Donor Selection

15.20-15.50	Afternoon coffee break	2 <sup>nd</sup> floor rooms DHCC 2263 & 2264
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15.50-17.15	Session 4	<b>Societal Perspective</b> <b>Moderated by Colene Bentley, BC Cancer, ARCC</b>	Auditorium
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- **Louisa Edwards**, UBC, VCHRI, Canada
  - Epitope Compatibility to Guide Deceased Donor Kidney Allocation: Recommendations from a Pan-Canadian Online Public Deliberation
- **Teresa Atkinson**, Transplant patient, Canada (VIRTUAL)
  - Hope
- **Mary Beaucage**, Transplant patient, Canada (VIRTUAL)
  - Epitopes give Hope
- **Tania Bubela**, SFU, Canada (VIRTUAL)
  - Social sciences convergence with translational precision medicine

End of Day 1

## PTx FINAL AGENDA DAY 2

Tuesday, December 13, 2022

8.30	Arrival	Auditorium
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9.00-10.35	Session 5	<b>Immune Monitoring</b> <b>Moderated by Ramon Klein Geltink, UBC / BCCHR</b> <b>Mentor Laura Sly, UBC</b>	Auditorium
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- **Melina Messing**, UBC, Canada
  - Prognostic peripheral blood biomarkers at ICU admission predict COVID-19 clinical outcomes
- **David Harriman**, UBC, Canada
  - Is the Urinary Microbiome an Innocent Bystander or Active Participant in Kidney Allograft Dysfunction?
- **Xuehai Wang**, UBC, Canada
  - Single-cell profiling reveals a memory B cell-like subtype of follicular lymphoma with increased transformation risk
- **Industry Spotlight: Stemcell Technologies Inc.**

10.35-11.00	Morning coffee break Sponsored by Stemcell Technologies Inc.	2 <sup>nd</sup> floor rooms DHCC 2263 & 2264
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11.00-12.35	Session 6	<b>Personalized Therapeutics</b> <b>Sponsored by Omixon Ltd</b> <b>Moderated by Amanda Cunningham, UBC</b> <b>Mentor James Lan, UBC / VGH</b>	Auditorium
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- **Chris Blosser**, University of Washington, USA
  - DETECT - Opportunity for Precision Diagnostics in Cancer & Transplant to Guide Personalized Medicine
- **Ali Zarrinpar**, University of Florida, USA
  - Phenotypic Personalized Medicine in Transplantation
- **Klemens Budde**, Charité, Germany (VIRTUAL)
  - Personalized immunosuppressive treatment
- **Industry Spotlight: Omixon Ltd**
  - Dr. Attila Bérces, Founder & CEO

12.35-13.30 Lunch 2<sup>nd</sup> floor rooms DHCC 2263 & 2264

**13.30-15.05 Session 7 Advanced Technology and Computational Biology Auditorium**  
**Moderated by Franz Fenninger, UBC**  
**Mentor Michael Barnett, UBC**

- **Ryan Brinkman**, BC Cancer Research, Canada
  - Automated flow cytometry data analysis that works - now and next year
- **Phillip Richmond**, BC Children's Hospital Research Institute, Canada
  - BC Children's Precision Health Initiative
- **Amrit Singh**, UBC, Canada
  - Multimodal data integration for deriving insights into transplant rejection

15.05-15.30 Afternoon coffee break 2<sup>nd</sup> floor rooms DHCC 2263 & 2264

**15.30-16.30 Closing Session Auditorium**

- **Panel: Future of Transplantation**
  - **Moderated by Robert Liwski**, Dalhousie University, Canada
- **Closing remarks – Karen Sherwood**, VCH, GCTC, UBC Precision Medicine in Transplantation Cluster

End of Symposium

## General information

PTx is organized by the Precision Medicine in Transplantation Research Excellence Cluster of University of British Columbia.

The symposium takes place at hospital premises. Please wear a mask while on site, and practise good hand hygiene. The attendees are requested to change their participation to virtual in case they are not feeling well. To register for virtual attendance [click here](#).

PTx has qualified for 1.2 ACHI Continuing Education Credits. Please contact us after the symposium to get your participation certificate needed to obtain the credits.

## Contact information:

<https://precisiontransplantation.ubc.ca>  
[precision.transplantation@ubc.ca](mailto:precision.transplantation@ubc.ca)

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