



The UBC Centre for Blood Research presents



# The 13<sup>th</sup> Annual Norman Bethune Symposium

## THURSDAY, APRIL 10, 2025

Venue: UBC Robson Square, 800 Robson St, Vancouver, BC, Canada

Live Webcast: <https://tinyurl.com/NBSWEBCAST25>

Registration: <https://tinyurl.com/CBRNBS25>



### Final Program

\*\*\* All times are Pacific Time (PT)

- 7:15 - 8:00 Buffet Breakfast
- 8:00 - 8:10 **Hugh Kim**, CBR & Faculty of Dentistry, UBC, Welcome remarks
- 8:10 - 8:30 **Andrew Beckett**, MD, Professor, U of Toronto, Lieutenant-Colonel, Royal Canadian Medical Service, *"Why Blood is a Strategic National Resource Now"*
- 8:40 - 8:50 **Vignesh Murthy**, MD, UBC, *"Sickle Cell Disease: A Canadian Perspective"*
- 8:55 - 9:05 **Dammy Ogunseitan**, Vancouver, *"From Surviving to Thriving: Overcoming the Challenges of Sickle Cell Disease"*
- 9:10 - 9:30 **Don Branch**, PhD, Scientist, CBS & Professor, U of Toronto, *"iVIG mimetics and replacements"*
- 9:40 - 10:00 **Sarah Hedtrich**, PhD, UBC, *"Bioengineering Complex Human (Disease) Models"*

---

- 10:10 - 11:00 **Coffee break and posters**

---

- 11:00 - 11:20 **Claudia Cohn**, MD, PhD, Professor, U of Minnesota & Director of Blood Bank Laboratory, *"Blood supply surge capacity for disaster planning"*
- 11:30 - 11:50 **Elyn Rowe**, *"What's in the bag of blood products from donors with diabetes"*  
**Jerry Leung**, *"Correlation between platelet donor characteristics and quality metrics to platelet transgenic protein production"*
- 11:50 - 12:00 **Introduction** - Don Brooks and Dana Devine Address
- 12:00 - 12:20 **Karin Hoffmeister**, MD, Deputy Director, Versiti & Professor, Medical College of Wisconsin  
*"Don Brooks and Dana Devine Transfusion Science Innovation Address, "Glycobiology of transfused cells"*
- 12:30 - 12:40 **"Shot-gun"** presentations

---

- 12:40 - 13:40 **Buffet lunch and posters**

---

- 13:40 - 14:00 **Emel Islamzada**, *"Red Blood Cells with Reduced Deformability are Selectively Cleared from Circulation in a Mouse Model"*  
**Mahsa Yazdanbakhsh**, *"Enhanced Oxygen Delivery Potency of Young vs Old Red Blood Cells"*
- 14:00 - 14:20 **John Pawlovich, MD & Sandy Lee**, UBC, *"UBC Drone Transport Initiative: Co-creating Medical Supply Chain Solutions with Rural, Remote and Indigenous Communities"*

---

- 14:30 - 15:00 **Coffee break and posters**

---

- 15:00 - 15:30 **John Hess**, *"Bicarbonate in blood storage"*  
**Nicolas Pereyra**, *"Next-Generation Platelet Storage Units for Better and Safer Transfusions"*  
**Tess Smith**, *"Structural insights into the Type III Secretion System export gate SctV coupled with the ATPase stalk SctO in Enteropathogenic Escherichia coli"*
- 15:30 - 15:50 **Harinad (Hari) Maganti**, PhD, Scientist, CBS & Professor, University of Ottawa, *"Gene Editing of HSCs: Overcoming barriers"*
- 16:00 - 16:20 **Lucas Streith**, MD, UBC *"A Surgical Perspective on Bleeding in the Perioperative Setting"*
- 16:30 - 17:30 **Awards and Social**

### QUESTIONS?

FOR EVENT LOGISTICS, CONTACT: [MIRA.MILUTINOVIC@UBC.CA](mailto:MIRA.MILUTINOVIC@UBC.CA)

FOR STUDENT PRESENTATIONS, TRAVEL AWARDS & POSTERS, CONTACT: [KAITLYN.CHUONG@UBC.CA](mailto:KAITLYN.CHUONG@UBC.CA)

@cbrubc

@cbr\_ubc

Centre for Blood Research  
at UBC