

# 13<sup>th</sup> Annual Blood Matters 2023

## Virtual Conference: November 3rd , 2023

### Free transfusion focused education day

As an accredited provider, Dalhousie University Continuing Professional Development and Medical Education, designates this continuing professional development activity for up to **4.25** credit hours as an accredited group learning Section 1 activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found online at [edhub.ama-assn.org](http://edhub.ama-assn.org).

To register/participate via the live webcast use the following URL:

<https://bloodmatters.can.chime.live/>



 Public Health Agency of Canada | Agence de la santé publique du Canada



<b>09:00 - 09:05</b>	Opening Remarks	Emily Durant
<b>09:05 - 09:40</b>	Donor Sex Differences in Young RBCs Quantity: Exploring the Immune Potential in Blood Transfusion	Wenhui Li
<b>09:40 - 10:00</b>	Equipment Required and the Process for Safe Administration of Red Blood Cells	Jeffrey Collins
<b>10:00 - 10:30</b>	Probing the Veins of Excellence: Navigating Blood Transfusion Audits in Ontario	Tracy Cameron
<b>10:30 - 10:45</b>	<b>HEALTH BREAK</b>	<b>HEALTH BREAK</b>
<b>10:45 - 11:20</b>	A Brief History of Canadian Freeze-Dried Blood Products	Captain Marcus Moore
<b>11:20 - 11:45</b>	Freeze-Dried Plasma: Is what was old new again	Dr. William Sheffield
<b>11:45 - 13:00</b>	<b>LUNCH</b>	<b>LUNCH</b>
<b>13:00 - 13:35</b>	Flow-Cytometry-Cased Red Blood Cell Antigen Phenotyping	Dr. Robert Liwski
<b>13:35 - 14:10</b>	Liver Transplantation and Blood Management	Dr. Kevork M. Peltekian
<b>14:10 - 14:55</b>	Transmutation to Rejuvenation: Transfusion in Popular Culture	Dr. Julie Katz Karp
<b>14:55 - 15:00</b>	Closing Remarks	Emily Durant

*Educationally approved/co-sponsored by Dalhousie University Continuing Professional Development and Medical Education  
In keeping with CMA Guidelines, program content and selection of speakers are the responsibility of the planning committee.  
Support is directed toward the costs of the course and not to individual speakers.*

## BIOGRAPHIES:

**Wenhui Li**, holding a medical degree from China with a specialization in laboratory medicine and pathology, has furthered her passion for blood transfusion studies by obtaining a master's degree in the field. Currently pursuing her Ph.D. with a focus on the influence of blood donor sex on transfusion outcomes, Wenhui boasts 11 peer-reviewed publications and 7 abstracts, showcasing her profound contributions to transfusion medicine

**Jeffrey Collins RN BScN** is the Transfusion Practice Nurse for the Central Zone of Nova Scotia Health. In his current role, he is responsible for investigating and reporting adverse transfusion events, reviews, monitors, and reports the appropriateness and utilization of blood components and blood products as well as provides transfusion education and support to clinicians, nurses, residents, and other healthcare professionals. From Halifax NS, he graduated with an honors degree in Psychology from Saint Mary's university, followed by a Bachelor of Science in Nursing from Dalhousie University. He has more than two decades of experience as a Med/Surg and Thoracic Surgery Nurse.

**Tracy Cameron**, a medical lab technologist (MLT), currently serves as the regional manager for the Ontario Regional Blood Coordinating Network (ORBCoN) in the Northern and Eastern Region. A Canadore College graduate, she has gained valuable experience in various private labs, including Hospitals in Common Lab and Life Labs, as well as the Canadian Blood Service in Ottawa, before joining ORBCoN. Over the past 17 years with ORBCoN, she has contributed significantly to initiatives like the provincial redistribution program, provincial audits, including bedside audits, and the organization of annual CBS/ORBCoN TM videoconferences.

**Captain Marcus Moore** is a medical officer with the Canadian Armed Forces. He has had an interest in transfusion medicine since medical school. He currently works supporting the Canadian Atlantic Fleet as a medical officer.

**Dr. William (Bill) Sheffield** completed his doctoral degree in Biochemistry at McGill University in Montreal, Quebec in 1989. Dr. Sheffield joined the Faculty of Health Sciences at McMaster University in Hamilton, Ontario in 1992, where he is currently a full Professor in the Department of Pathology and Molecular Medicine. His research centres on plasma and plasma proteins, including engineered serpins and coagulation factors, and in vitro and in vivo assessments of transfusable plasma and plasma replacement products. Dr. Sheffield has been part of the scientific staff of Canadian Blood Services and its predecessor for over thirty years, and is currently Associate Director, Research with the organization.

**Dr. Rob Liwski** is the Head of the Division of Hematopathology, Medical Director of the HLA Laboratory and Professor of Pathology at the Queen Elizabeth II Health Sciences Centre and Dalhousie University in Halifax, Canada. He is also the Medical and Scientific Director of the HLA Laboratory at the Canadian Blood Services in Toronto and President of the American Society for Histocompatibility and Immunogenetics. Dr. Liwski has developed several optimized HLA antibody testing methods including the Halifax/Halifaster flow crossmatch protocol and has 70 peer reviewed publications. The Halifaster protocol has been adopted nationally in Canada, Brazil and Australia and by numerous laboratories around the world including in the USA, UK, Latin America, Europe, South Korea and the Middle East. He was awarded the Canadian Association of Pathologists Junior Scientist Award and the Doctors Nova Scotia Distinguished Service Award for his innovative work in the field of Histocompatibility and Immunogenetics.

**Dr. Kevork M. Peltekian** is Professor of Medicine and Surgery at Dalhousie University and Past Division Head for Digestive Care & Endoscopy at the Queen Elizabeth II Health Sciences Centre. He has been practicing as a specialist in liver disease and transplantation in Nova Scotia since 1995. Over the years, Dr. Peltekian has been frequently recognized for excellence in undergraduate and postgraduate education as well as research. He has over 80 peer-reviewed publications in high impact journals.

Over the years, he has held major leadership roles including the Chairman and Chief Executive Officer of the Canadian Liver Foundation 2005-2009 and President of the Canadian Association for Study of Liver 2012-2014

For his volunteer work and contributions to the fight against liver disease, Dr. Peltekian was awarded the Queen Elizabeth II Diamond Jubilee Medal. He also received the CASL Distinguished Service Award for his significant contributions to the practice of Hepatology in Canada.

**Dr. Julie Katz Karp** is the Director of Transfusion Medicine and Director of the Transfusion Medicine Fellowship Program at Thomas Jefferson University Hospital in Philadelphia, PA. She received a Bachelor of Science with distinction from Cornell University and her medical degree from the University of Pennsylvania. She completed residency training in Anatomic and Clinical Pathology at The Johns Hopkins Hospital, where she was also chief resident. She completed a fellowship in Blood Bank/Transfusion Medicine at Thomas Jefferson University Hospital. Her interests include undergraduate and graduate medical education specifically related to transfusion medicine, as well as blood donor health and recruitment. She is board certified in Anatomic and Clinical Pathology and Blood Bank/Transfusion Medicine.

## LEARNING OBJECTIVES (Overall):

At the end of this session, participants will be able to

- to share the latest laboratory, clinical, and administrative developments in Nova Scotia related to the field of transfusion medicine.
- to increase health care provider knowledge in the field of transfusion medicine.
- to improve patient safety by enhancing laboratory and clinical practice.