

CanSAVE Scientific Symposium Transforming the Response to Sudden Cardiac Arrest

Program April 5 & 6, 2023

<u>CanSAVE</u> is a Canadian resuscitation research group whose vision is to achieve the best survival rates from sudden cardiac arrest (SCA) in the world through transformative research strategies in **Recognition**, **Response** and **Recovery**. The **CanSAVE Scientific Symposium** brings together leading scientists and transformative thinkers in resuscitation science from Canada and internationally.

Symposium Purpose: to engage Canadian and International resuscitation scientists in discussions to define direction, priorities and strategies for effective transformation of SCD resuscitation care.

Symposium Output: Symposium report to guide CanSAVE research teams and to share with national and international partners.

CanSAVE Program Outcome: More focused and rapid progression from research to implementation of successful transformative strategies in Canada





Agenda Wednesday, April 5
8:00-8:30 Registration, Coffee and Light Breakfast
8:30-9:00 Opening Welcome and Symposium Overview HSBC C685 BC RESURECT Hosts Jim Christenson and Brian Grunau
9:00-11:30 CanSAVE Research Area Leads and International Guest Presentations: Work to Date and Challenges.
9:00-9:30 Optimizing Post Discharge Rehabilitation: Katie Dainty International Guest Experience and Challenges: Kirstie Haywood, UK
9:30-10:00 Optimizing ICU care: Myp Sekhon International Guest Experience and Challenges: Markus Skrifvars, Finland
10:00-10:30 Drone AED Delivery : Shel Cheskes International Guest Experience and Challenges: Andreas Claesson, Sweden
10:30-11:00 Community Responders: Steve Brooks, International Guest Experience and Challenges: Rudy Koster Netherlands, Tom Rea US
11:00-11:30 Sensors : Brian Grunau, Mahsa Khalili, Jake Hutton International Guest Experience and Challenges: Nicola Gaibazzi, Italy
11:30-12:00 Emergency Communication: Christian Vaillancourt International Guest Experience and Challenges TBD
12:00-1:00 Lunch
1:00-2:00 Concurrent Working Group Sessions to plan whole group presentation Each group develops key strategies, priorities and challenges to discuss with whole group
Sensors and Emergency Communication, Room # TBD Community Responders, Room # TBD Drone AED Delivery, Room # TBD Optimizing ICU, care Room # TBD Optimizing Post Discharge Rehabilitation, Room # TBD
2:00-6:15 Discussion of working group Strategies, Priorities and Challenges HSBC C698 CanSAVE Preliminary thoughts on strategies priorities and Challenges (5min) International Guest Reflections (5 min) Whole Group Feedback (30 min)
 2:00 Optimizing Post Discharge Rehabilitation 2:45 Optimizing ICU care 3:30 Drone AED Delivery 3:30-4:00 Break 4:00 Community Responders 4:45 Emergency Communication 5:30 Sensors
6:15-8:30 Cocktail Reception and Networking HSBC Foyer





Agenda Thursday, April 6

8:00-8:30 Coffee and Light Breakfast

8:30-11:30 Confirming Working Group Strategic Priorities (30 min each) HSBC C685

8:30-9:00 Sensors Brian Grunau 9:00-9:30 Emergency Communication Christian Vaillancourt 9:30-10:00 Optimizing Post Discharge Rehabilitation Katie Dainty

10:00-10:30 Break

10:30-11:00 Drone AED Delivery Shel Cheskes 11:00-11:30 Optimizing ICU care Myp Sekhon 11:30-12:00 Community Responders Steve Brooks

12:00-12:15 Symposium Close : Concluding Remarks BC RESURECT Hosts Brian Grunau and Jim Christenson

A boxed lunch-to-go will be available.





CanSAVE Presenter Participants /Leads

Optimizing Post Discharge Rehabilitation

<u>Katie Dainty</u> Research Chair in Patient-Centered Outcomes North York General Hospital Patient and family-centered outcomes

Sensors to Detect Sudden Cardiac Arrest

Calvin Kuo

Associate Professor, School of Biomedical Engineering University of British Columbia Human motion and wearable technologies

Babak Shadgan

Assistant Professor, Department of Orthopaedics University of British Columbia Wearable and implantable biosensors

Brian Grunau

Assistant Professor, UBC Department of Emergency Medicine University of British Columbia Management of out-of-hospital cardiac arrest

Optimizing Dispatcher Communication

<u>Christian Vaillancourt</u> Professor, Department of Emergency Medicine University of Ottawa Improving 9-1-1 cardiac arrest recognition and CPR instructions

Community Response to Sudden Cardiac Arrest

<u>Steve Brooks</u> Associate Professor, Departments of Emergency Medicine and Public Health Sciences Queen's University in Kingston Innovations in optimizing the community response to cardiac arrest

Drone AED Delivery Systems

Sheldon Cheskes Professor, Division of Emergency Medicine, Department of Family and Community Medicine University of Toronto Improving public access to defibrillation in rural and remote areas through drone delivery of AEDs

Optimizing ICU Care Post Sudden Cardiac Arrest

Mypinder Sekhon Clinical Assistant Professor, Faculty of Medicine University of British Columbia Critical care management of severe traumatic brain injury patients





International Presenters

Andreas Claesson

Associate Professor, Centre for Resuscitation Science Karolinska Institutet Stockholm Sweden Drone delivery of AEDs

Nicola Gaibazzi Professor, Cardiology,

University of Parma, Italy HeartSentinel-cardiac arrest detection

Kirstie Haywood

Professor, WMS - Health Sciences University of Warwick, UK Patient reported outcomes and quality of life after illness or injury

Rudy Koster

Director of Science and Research European Resuscitation Council Participation of lay responders with AEDs for residential cardiac arrest

Behnam Molavi

Senior Research and Development Engineer/Technical Lead Spacelabs Healthcare Near infrared spectroscopy (NIRS) and wearable technologies

Tom Rea

Professor, Medicine University of Washington Program Medical Director, King County Medic One Emergency Medical Services Improving the response to out-of-hospital sudden cardiac arrest

Markus Skrifvars

Professor, Pre-hospital Medicine University of Helsinki Post cardiac arrest critical care for brain injury



