



**November 19<sup>th</sup>, 2024 – Sheraton Center, Toronto**

## Introduction and AMR Pulse Check

*Agenda developed in collaboration with Sepsis Canada*

- Changing policies impacting AMR: global, national and local perspectives
- Canadian priorities for the G7 meeting in 2025
- Status update: Pan-Canadian Action Plan on AMR
- Keynote – Sepsis and Management of AMR
  - Alison Fox-Robichaud, Professor of Medicine at McMaster University and a Critical Care Specialist and Director of Medical Education at Hamilton Health Services in Ontario, Canada, Scientific Director of Sepsis Canada

## Tools to Power the Fight Against AMR

- Artificial intelligence (AI)-driven drug development keynote & panel discussion  
*Co-sponsored by EPIC, T-CAIREM and IfP (University of Toronto)*
  - Keynote: Accelerating discoveries in biology and medicine using artificial intelligence
    - Cesar de la Fuente, Presidential Assistant Professor, University of Pennsylvania, USA
  - Panel Discussion on Accelerating discovery in biology and medicine utilizing AI
    - Moderated by Ivan Siemieniuk, Journalist, Globe and Mail
    - Panelists: Cesar de la Fuente, Dionne Aleman - Professor Mechanical & Industrial Engineering, University of Toronto, Artem Babaian - Assistant Professor Molecular Genetics, University of Toronto, Ontario
- Digital decision making support solutions: case study analyses
- Risk assessment tools to act sooner and prevent adverse outcomes

## Optimizing the Case of Sepsis in AMR

*Agenda developed in collaboration with Sepsis Canada*

- Sepsis prognostics and the role of rapid diagnostics to further sepsis care
- Implementation of near-patient testing: what is needed to optimize acute care?

- Panel led by Kali Barrett, Assistant Scientific Director and Critical Care Physician at University Health Network, Ontario.

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## Prevention is the First Step

*Agenda developed in collaboration with CAN-AMR-Net (EPIC, AMR – One Health Consortium, McGill AMR Centre)*

- CAN-AMR-Net: Training up the next generation of AMR Leaders Across Canada
  - Herman Barkema, Professor, Director of the AMR – One Health Consortium, NSERC Industrial Research Chair, United Nations University Chair, University of Calgary, Alberta
  - Natasha Christie-Holmes, Director, Strategy & Partnerships, EPIC, University of Toronto, Ontario
  - Dao Nguyen, Associate Professor, McGill University, Quebec
- The future of near patient testing to address gaps in low resource settings
  - Dylan Pillai, Professor and Head of Pathology and Laboratory Medicine, University of Calgary, Alberta
- Vaccines and the role of prophylaxis
- Environmental monitoring, outbreak detection, and infection prevention and control measures
- The power of rapid susceptibility testing
- The role of genomic research in AMR prediction and detection
- Incentivizing and benchmarking AMS in primary practice
  - Kevin Schwartz, Division Head for Infectious Disease, St. Joseph's Hospital, Ontario
- NIMBLE ways to steer antimicrobial providers in the right direction
  - Bradley Langford, Infectious Diseases and Antimicrobial Stewardship Pharmacist, Ontario, and Larissa Matukas, Division Head of Microbiology St. Michael's Hospital, Associate Professor, University of Toronto, Ontario
- And more!