

Alison Fox-Robichaud Brief CV

ADDRESS Thrombosis and Atherosclerosis Institute
DBRI C5-106, 237 Barton Street East,
Hamilton, ON L8L 2X2
Telephone: 905 521-2100 ext. 40742
Email: afoxrob@mcmaster.ca
Twitter: @drfoxrob

EDUCATIONAL BACKGROUND

Degrees and Diplomas

1989 MD, University of Ottawa
1985 MSc, Medical Sciences, McMaster University
1983 BSc, Honours Biology-Chemistry, University of New Brunswick

Qualifications, Licensures and Certifications

1999 Specialty License, College of Physicians and Surgeons of Ontario, ON, Canada
1995 FRCPC, Critical Care, Royal College of Physicians and Surgeons of Canada, at Univ of Calgary
1994 Specialty License, College of Physicians and Surgeons of Alberta, AB, Canada
1993 FRCPC, Internal Medicine, Royal College of Physicians and Surgeons of Canada, at Univ of Calgary

Other Specialized Training

2018- 2019 Reimagining Leadership, Hamilton Health Sciences, BlueDot Group, Hamilton, ON
2015 LEADS, Internal Facilitator, Hamilton Health Sciences, Canadian College of Health Leaders
2007 Physician Leadership Program, Dept. of Health Policy, Management and Evaluation, Univ Toronto, ON
1997 - 1999 MRC/CAG/Schering Canada Research Fellow, Dept. of Physiol Biophys, Univ Calgary, Calgary, AB
1993 - 1997 AHFMR, Fellowship, Critical Care Program, Faculty of Medicine, Univ Calgary
1992 - 1993 Fellow, Critical Care, Medicine and Medical Biochemistry, Univ Calgary, Calgary, AB

EMPLOYMENT HISTORY

University Appointments

2017 – present Professor, Medicine, Faculty of Health Sciences, McMaster University
2005 - 2017 Associate Professor, Medicine, Faculty of Health Sciences, McMaster University
2000 - 2005 Assistant Professor, Medicine, Faculty of Health Sciences, McMaster University

Hospital Appointments

2017 – present Director of Medical Education, Hamilton Health Sciences
2012 – 2017 Site Lead, Cardiac Surgical Intensive Care Unit, Hamilton Health Sciences
2006 – 2012 Education Lead, Critical Care Response Team, Hamilton Health Sciences-General Site

CONTRIBUTIONS TO TEACHING PRACTICE - Innovation

2010 – 2019 Master Instructor, RCPSC Practice, Performance, and Innovation Unit
2007 – 2019 Instructor, Royal College of Physicians and Surgeons of Canada, National ACES

ADMINISTRATIVE RESPONSIBILITIES

2015 – 2018 President, Canadian Critical Care Society
2013 – 2015 Treasurer, Canadian Critical Care Society
2016 – present Treasurer, Canadian Critical Care Translational Biology Group
2012 – 2019 Member, Assessment and Examination Committees, RCPSC
2010 – present Member, Specialty Committee for Critical Care Medicine, RCPSC
2010 – 2016 Chair, Examination Board for Critical Care Medicine, RCPSC

RESEARCH FUNDING –Peer Reviewed (Last 2 Years)

2020/11- 2022/05 Canadian Institutes of Health Research (CIHR) \$6,000,000 The Canadian Network of COVID-19 Clinical Trials Network **Principal Applicant** (Nominated PA Rob Fowler)
2021/05 - 2023/04 New Frontiers Research Fund (2020 Exploration competition) \$250,000 Preclinical multicentre studies of sepsis: assessing feasibility and shared mental models **Co-Applicant** (Principal Applicants Manoj Lalu and Jenna Evans)
2020/03 - 2021/02 Canadian Institutes of Health Research (CIHR) \$112,500 Sex differences in preclinical models of sepsis: a systematic review **Principal Applicant** (Nominated PA Manoj Lalu)
2019/12 - 2025/11 Canadian Institutes of Health Research (CIHR) \$5,700,000 Canadian Sepsis Research Network: Improving Care Before, During and After Sepsis. **Nominated Principal Applicant** (31 Principal Applicants, 90 Coapplicants)
2019/10 – 2022/09 Collaborative Health Research Projects (CIHR/NSERC) \$ 392,250 Epigenetic PowerBlade – DNA Precision Markers for Critical Illness **Principal Applicant** (Nominated PA Claudia Dos Santos)

PUBLICATIONS (most recent 14 of 111 lifetime)

1. Zhang M, Montroy J, Sharma R, Fergusson DA, Mendelson AA, Macala KF, Bourque SL, Schlechte JM, Eng MK, McDonald B, Gill SE, Fiest KM, Liaw PC, **Fox-Robichaud A**, Lalu MM. The Effects of Biological Sex on Sepsis Treatments in Animal Models: A Systematic Review and a Narrative Elaboration on Sex- and Gender-Dependent Differences in Sepsis. *Crit Care Explor* 3: e0433, 2021
2. Newman ANL, Kho ME, Harris JE, **Fox-Robichaud A**, Solomon P. The Experiences of Cardiac Surgery Critical Care Clinicians with In-Bed Cycling in Adult Patients Undergoing Complex Cardiac Surgery *Disabil Rehabil* 2021 Pages 1-8
3. Arora J, Klowak JA, Parpia S, Zapata-Canivilo M, Faidi W, Skappak C, Gregoris R, Kretz CA, Dwivedi DJ, de Wit K, Welsford M, **Fox-Robichaud A**. Diagnostic Potential of Coagulation-Related Biomarkers for Sepsis in the Emergency Department: Protocol for a Pilot Observational Cohort Study *Crit Care Explor* 3:e0414, 2021
4. Mendelson AA, Lansdell C, **Fox-Robichaud AE**, Liaw P, Arora J, Cailhier JF, Cepinskas G, Charbonney E, Dos Santos C, Dwivedi D, Ellis CG, Fergusson D, Fiest K, Gill SE, Hendrick K, Hunniford VT, Kowalewska PM, Krewulak K, Lehmann C, Macala K, Marshall JC, Mawdsley L, McDonald B, McDonald E, Medeiros SK, Muniz VS, Osuchowski M, Pousseau J, Sharma N, Sohrabipour S, Sunohara-Neilson J, Vázquez-Grande G, Veldhuizen RAW, Welsh D, Winston BW, Zarychanski R, Zhang H, Zhou J, Lalu MM; Sepsis Canada's National Preclinical Sepsis Platform National Preclinical Sepsis Platform: Developing a Framework for Accelerating Innovation in Canadian Sepsis Research *Intensive Care Med* 9: 14, 2021
5. Singh K, Kwong AC, Madarati H, Kunasekaran S, Sparring T, **Fox-Robichaud AE**, Liaw PC, Kretz CA Characterization of ADAMTS13 and von Willebrand factor Levels in Septic and Non-Septic ICU patients *PLoS One* 16: e0247017, 2021
6. Newman ANL, Kho ME, Harris JE, Zamir N, McDonald E, **Fox-Robichaud A**, Solomon P; Canadian Critical Care Trials Group. Cardio Cycle: A Pilot Feasibility Study of In-bed Cycling in Critically Ill Patients Post Cardiac Surgery. *Pilot Feasibility Stud* 7: 13, 2021
7. Zhang M, Macala KF, **Fox-Robichaud A**, Mendelson AA, Lalu MM; Sepsis Canada National Preclinical Sepsis Platform. Sex- and Gender-Dependent Differences in Clinical and Preclinical Sepsis *Shock* 2021 Publish Ahead of Print DOI: 10.1097/shk.0000000000001717
8. Chaudhuri D, Herritt B, Lewis K, Diaz-Gomez JL, **Fox-Robichaud A**, Ball I, Granton J, Rochweg B, Dosing Fluids in Early Septic Shock. *Chest* 159:1493-1502, 2021
9. McGinn R, Fergusson DA, Stewart DJ, Kristof AS, Barron CC, Thebaud B, McIntyre L, Stacey D, Liepmann M, Dodelet-Devillers A, Zhang H, Renlund R, Lilley E, Downey GP, Brown EG, Côté L, Dos Santos CC, **Fox-Robichaud AE**, Hussain SNA, Laffey JG, Liu M, MacNeil J, Orlando H, Qureshi ST, Turner PV, Winston BW, Lalu MM; Canadian Critical Care Translational Biology Group. Surrogate Humane Endpoints in Small Animal Models of Acute Lung Injury: A Modified Delphi Consensus Study of Researchers and Laboratory Animal Veterinarians. *Crit Care Med* 49:311-323, 2021
10. Dodek PM, Cheung EO, Burns KE, Martin CM, Archambault PM, Lauzier F, Sarti AJ, Mehta S, **Fox-Robichaud AE**, Seely AJE, Parshuram C, Garros D, Withington D, Cook DJ, Piquette D, Carnevale FA, Boyd JG, Downar J, Kutsogiannis DJ, Chassé M, Fontela P, Fowler RA, Bagshaw S, Dhanani S, Murthy S, Gehrke P, Fujii T; Canadian Critical Care Trials Group Moral Distress and Other Wellness Measures in Canadian Critical Care Physicians *Ann Am Thorac Soc*. 2020 doi: 10.1513/AnnalsATS.202009-1118OC. Online ahead of print.
11. Parsons Leigh J, Fiest K, Brundin-Mather R, Plotnikoff K, Soo A, Sypes EE, Whalen-Browne L, Ahmed SB, Burns KEA, **Fox-Robichaud A**, Kupsch S, Longmore S, Murthy S, Niven DJ, Rochweg B, Stelfox HT. A national cross-sectional survey of public perceptions of the COVID-19 pandemic: Self-reported beliefs, knowledge, and behaviors *PLoS One* 15: e0241259, 2020.
12. Parsons Leigh J, de Groot C, Ahmed S, Bosma K, Burns KEA, Fowler R, **Fox-Robichaud A**, Mehta S, Mele T, Straus SE, Zepeda N, Kemp L, Fiest K, Stelfox HT. Improving gender equity in critical care medicine: a protocol to establish priorities and strategies for implementation. *BMJ Open* 10: e037090, 2020.
13. Yeh CH, de Wit K, Levy JH, Weitz JI, Vaezzadeh N, Liaw PC, **Fox-Robichaud A**, Soliman K, Kim PY Hypercoagulability and coronavirus disease 2019-associated hypoxemic respiratory failure: Mechanisms and emerging management paradigms *J Trauma Acute Care Surg* 89:e177-e181, 2020.
14. Zamir N, Pook M, McDonald E, Fox-Robichaud AE. Chlorhexidine locking device for central line infection prevention in ICU patients: protocol for an open-label pilot and feasibility randomized controlled trial *Pilot Feasibility Stud* 6:26, 2020.