



McGill

AMR Antimicrobial  
Resistance Centre

# AMR Seminar + Social

Tuesday, April 18th  
3:00-5:00pm | Thomson House

## Welcome

- Dr Jennifer Ronholm, Faculty of Agricultural and Environmental Sciences

## Topic: Tackling AMR in humans and animals

- Keynote: Herman Barkema
- Roundtable discussion
  - Herman Barkema, University of Calgary
  - Xin Zhao, Animal Physiology, McGill
  - Cécile Aenishaenslin, Pathology and Microbiology, Université de Montréal
  - Simon Dufour, Veterinary Epidemiology, Université de Montréal

*Please join us after the program for snacks and drinks  
in the hallway outside the room.*

**Thank you to the co-sponsorship of the  
Faculty of Agricultural and Environmental Sciences**




@McGillAMRCentre



@mcgill\_amr\_centre

# About our speakers



**Dr. Herman Barkema** completed his DVM degree at Utrecht Univ., The Netherlands, in 1988. He spent 2½ years as manager of a large dairy and beef herd in Costa Rica, then taught bovine herd health at Utrecht University and worked as an epidemiologist for the Dutch Animal Health Service while completing his PhD. In 2001, Dr. Barkema moved to the University of Prince Edward Island. He subsequently moved to the University of Calgary, where he founded the University of Calgary Faculty of Veterinary Medicine's (UCVM) Dept. of Production Animal Health. He currently is Professor in Epidemiology of Infectious Diseases at UCVM and NSERC Industrial Research Chair in Infectious Diseases of Dairy Cattle, with a joint appointment in the Dept. of Community Health Sciences of the Cumming School of Medicine. He is also a Foreign Expert at the China Agricultural University in Beijing. Dr. Barkema's research program focuses on prevention and control of diseases in cattle herds, including antimicrobial resistance. He has published > 400 scientific manuscripts and book chapters and has lectured all over the world. He leads the Antimicrobial Resistance – One Health Consortium, One Health at UCalgary, the Environment research theme in the Canadian Mastitis Network, the University of Calgary Biostatistics Centre, and the Alberta Johnne's Disease Initiative. Dr. Barkema is a fellow of the Canadian Academy of Health Sciences. He was recently awarded the Plowright Prize by the Royal College of Veterinary Surgeons for his research on infectious diseases and antimicrobial resistance.

**Dr. Cécile Aenishaenslin** is an Assistant Professor in epidemiology at the Faculty of veterinary medicine of the University of Montreal. Her research focusses on the design and evaluation of One Health approaches and programs for the surveillance, prevention and control of antimicrobial resistance (AMR) and zoonotic diseases. She leads the CoEvalAMR network since 2020, a network which aims to promote and develop evaluation methods for integrated surveillance systems for AMR.

**Dr. Simon Dufour** is Simon Dufour is a professor of veterinary epidemiology at the Université de Montréal's Faculté de médecine vétérinaire. He currently leads the Op+lait FRQ-NT research group, and he is Co-director of the Chair in biosecurity of dairy production. He is passionate about infectious diseases epidemiology and about monitoring usage of antimicrobials in dairy animals. He also has a strong expertise in diagnostic strategies, control of infectious diseases, and development of data visualization tools for monitoring and benchmarking health issues. He has been involved in the training of many graduate students (most survived). Above all, he is passionate about learning and teaching.

**Dr. Xin Zhao** is a Distinguished James McGill Professor at the Department of Animal Science of McGill University. He is working in the field of mammary gland biology, where his studies have focused on the bovine mammary functions during normal and pathological states. He continues to lead a group that has adopted a multidisciplinary approach to studying lactation physiology, complex host–pathogen interactions during the occurrence of mastitis, and antibiotic-resistance in bacteria from mastitic milk. Currently, he is an American Dairy Science Association executive board member and an action team member for carbon footprint calculation for the dairy sector in the International Dairy Federation.

**Dr. Jennifer Ronholm** obtained her BSc in Microbiology from the University of Waterloo in 2007 and her Doctoral degree in microbiology and immunology from the University of Ottawa in 2013. She completed post-doctoral training at McGill University and at Health Canada. She was hired as an Assistant Professor in the Faculty of Agricultural and Environmental Sciences in 2017. Her interests are primarily in understanding the role of the microbiome in determining susceptibility of individuals (both humans and agricultural animals) to infections.