



**CANADIAN LYME DISEASE**  
RESEARCH NETWORK

# Virtual 2022 AGM

**Wednesday, November 2<sup>nd</sup>, 2022**

**10:00 AM-4:30 PM (EST)**

# Welcome...thank you for attending this year's AGM

## **AGM Planning Committee**

*Dr. Catherine Bouchard*

*Natasha Bowser*

*Dr. Rob Brison*

*Dr. Lisa Dias*

*Veronica Harris-McAllister*

*Dr. Clara Juando-Prats*

*Dr. Patrick Leighton*

*Dr. Janet Parsons*

*Pamela Scott-Crace*

*Terrie Wainwright*

# MORNING AGENDA

**10:00 am-10:15 am**    **Opening Remarks**

*Dr. Patrick Leighton & Tamara Rader*

**10:15 am-11:15 am**    **Plenary Speaker: *Prevention of tick bites and tick-borne infections* – Dr. Lars Eisen**

**11:15 am-12:00 pm**    **Student/Trainee Presentations**

- **Kiera Liblik** - *Lyme Disease and the Heart: The NET-Heart Project*
- **Dr. Rebecca Quilty** - *Validation of a rapid Lyme disease test in children with Lyme arthritis and non-Lyme musculoskeletal presentation in a Lyme disease endemic region*
- **Damian Bourne** - *Morphometric variation in Ixodid ticks at an expanding range edge*
- **Katarina Ost** - *Assessing strategies for the prevention and control of emerging tick-borne diseases in urban and peri-urban settings*
- **Madison Robertson** - *Understanding the perspectives, experiences, beliefs, and knowledge of health practitioners on the diagnosis and treatment of Lyme disease in Canada*
- **Daniel Szaroz** - *An Eastern Canadian perspective on Lyme disease risk*

Moderators: *Natasha Bowser & Dr. Katie Clow*

**12:00 pm-1:00 pm**    **Lunch Break**

# AFTERNOON AGENDA

1:00 pm-2:00 pm

**Panel Discussion: *From research to better outcomes: mobilizing patient knowledge and experience*** –  
*Dr. Catherine Bouchard, Dr. Francois Milford, Sarah Merkle, Dr. Janet Parsons & Ariane Quintal.*

Moderator: *Pamela Scott-Crace*

2:00 pm-2:45 pm

## **Student/Trainee Presentations**

- **Stephanie Minkova** - *Ticks and tick-borne disease surveillance in Saskatchewan*
- **Claire Hiscock** - *Walking in the Bush with Ticks: Understanding First Nations Peoples' Experiences of Lyme Disease and Ticks through the Medicine Wheel Framework*
- **Natasha Bowser** - *Measuring the exposure and adaptation to ticks and tick-borne diseases in Canadians*
- **James Logan** - *Landscape factors of residential Lyme disease risk: a neighbourhood-scale analysis of Ottawa, Ontario*
- **Jenna Nauss** - *Clinical Presentation and Outcomes of Children Treated for Lyme Arthritis: Experience from a Large Pediatric Cohort in Nova Scotia, Canada*
- **Dr. Rachel Wamboldt** - *Lyme Carditis: From A to Z*
- **Liliana Potes** - *Evaluation of the short-term effects and the implementation of a community-based One Health intervention to reduce the risk of Lyme disease in a high incidence municipality*

Moderators: *Natasha Bowser & Dr. Katie Clow*

2:45 pm-3:00 pm

**Body Break**

**3:00 pm-4:15 pm**

**Executive, Pillar & Committee Updates**

**Executive Committee:** *Dr. Patrick Leighton*

**Pillar 2:** *Dr. Catherine Bouchard, Dr. Manisha Kulkarni & Pamela Scott-Crace*

**Pillar 4:** *Dr. Cécile Aenishaenslin, Dr. Janet Parsons & Tamara Rader*

**Patient & Community Advisory Committee:** *Dr. Clara Juando-Prats & Tamara Rader*

**Community Advisory Committee:** *Dr. Lisa Dias*

**Pillar 1:** *Twylla Bird-Gayson & Terrie Wainwright*

**Pillar 3:** *Dr. Rob Brison & Dr. Elizabeth Stringer*

**Trainee Advancement Committee:** *Natasha Bowser & Dr. Katie Clow*

**Project Grants Committee:** *Dr. Rob Colautti & Dr. Clara Juando-Prats*

Moderator: *Veronica Harris-McAllister*

**4:15 pm-4:30 pm**

**Closing Remarks**

*Dr. Patrick Leighton & Tamara Rader*

# OPENING & CLOSING REMARKS



## **Dr. Patrick Leighton**

Dr. Patrick Leighton is an Associate Professor of Epidemiology & Public Health in the Faculty of Veterinary Medicine, Université de Montréal, and Network Director of CLyDRN. His research focuses on the ecology and epidemiology of zoonotic diseases, with an emphasis on vector-borne diseases. <https://www.clydrn.ca/the-team-patrickleighton/>



## **Tamara Rader**

Tamara Rader is a CLyDRN Patient Partner and member of the Executive Committee, Network Leads Committee, Patient & Community Advisory Committee, Pillar 4, and co-leading the GRIPP2-SF and patient engagement initiatives.

# PLENARY SPEAKER



## **Lars Eisen**

Dr. Lars Eisen is a Research Entomologist at the Division of Vector-Borne Diseases of the US Centers for Disease Control and Prevention (CDC). He received a Ph.D. in Entomology from Uppsala University and then was a Post-doc at the University of California, Berkeley, and Assistant/Associate Professor at Colorado State University before moving to the CDC in 2014. Dr. Eisen's main focus is control of the blacklegged tick and its associated human pathogens.

# STUDENTS & TRAINEES-AM SESSION

## Moderators:



### **Natasha Bowser**

Natasha is qualified as a veterinarian from the Royal Veterinary College in the UK in 2010 and completed a professional Masters in One Health through the University of Edinburgh in 2018. Natasha is currently a third year Ph.D. Student in the Veterinary Sciences program (Epidemiology option) at the University of Montreal. Her research explores how Canadians are adapting to the emergence of tick-borne diseases in Canada with a One Health perspective, and how citizen science data may be utilised to assess regional risk of Lyme disease.



### **Dr. Katie Clow**

Dr. Katie Clow is an Assistant Professor in One Health in the Department of Population Medicine at the Ontario Veterinary College (OVC), University of Guelph. Dr. Clow's research focuses on the ecology and epidemiology of vectors and vector-borne zoonoses, with a specific emphasis on the blacklegged tick and Lyme disease. <https://www.clydrn.ca/the-team-katieclow/>

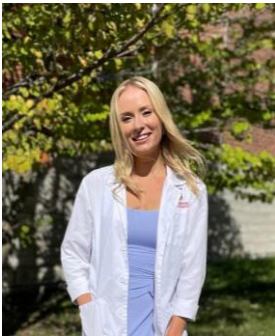


## Presenters:



### **Damian Bourne**

Damian received his undergraduate degree in Biology from Queen's University, and he is currently a Master's student within the Colautti lab which is also at Queen's University. His Master's research project is focused on studying tick morphology and population genetics. Damian is currently finishing up this degree and will be starting a PhD within the same lab.



### **Kiera Liblik**

Kiera is a medical student and Master's student at Queen's University. As a member of the Emerging Leaders Group of the Interamerican Society for Cardiology, Kiera is helping delineate the impacts of infectious and neglected tropical diseases on cardiovascular health. She is a Co-Coordinator of the Neglected Tropical Diseases and other infectious diseases affecting the Heart project (NET-Heart project). Kiera has received several recognitions for her work in cardiovascular health, including the 1989 École Polytechnique Commemorative Award, Have a Heart Bursary, Canadian Cardiovascular Congress CIHR Bursary, McLaughlin Fellowship, and The Mach-Gaensslen Foundation of Canada Studentship.

## Presenters:



### **Katarina Ost**

Katarina is a Doctoral student in Epidemiology with an interest in studying the control of Lyme disease in Eastern Ontario. She is interested in research on vector-borne diseases, global health, and the health impacts of climate change. Katarina completed both her BA and MPH at the University of Washington and finished her MPH thesis project through a climate change and malaria project.



### **Dr. Rebecca Quilty**

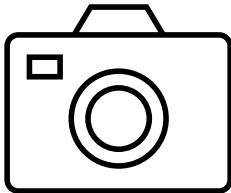
Dr. Rebecca Quilty is currently a third-year resident in Pediatrics at Memorial University of Newfoundland. Dr. Quilty has an interest in pediatric rheumatology and her research interests include Lyme arthritis and postgraduate medical education.

## Presenters:



### Madison Robertson

Madison is a research fellow and PhD student in Health Quality at Queen's University. She completed her undergraduate and Master's degree in the School of Kinesiology and Health Studies (SKHS). Madison is currently a Teaching Adjunct in the SKHS and research coordinator for the Lung Diagnostic Assessment Program at Kingston Health Sciences Centre. Her Doctoral research focuses on investigating the mental health implications for long-term care (LTC) residents when separated from their spouse in LTC. She has a specific interest in Participatory Action Research and qualitative methods.



### Daniel Szaroz

In the first part of his academic life, Danny graduated with a Bachelor of Biochemistry and a Master's in Neuroscience where he deepened his understanding of the molecular world. In the second part of his academic life, Danny finished a DEPA in Epidemiology from the University of Montreal. It is this last degree that opened much of his appetite for research in epidemiology. His interests are causal inference, spatial modelling, and machine learning.

# PANEL DISCUSSION

## Moderator:



### **Pamela Scott-Crace**

Pamela Scott-Crace is a retired editor and lives in Lunenburg County, Nova Scotia. She is CLyDRN Patient Partner since March 2020 and a member of the Network Leads Committee, Patient & Community Advisory Committee, and Pillar 2.

## Panelists:



### **Dr. Catherine Bouchard**

Dr. Catherine Bouchard is a Veterinary Epidemiologist for the Public Health Agency of Canada and Adjunct Professor in the Department of Pathology and Microbiology at the Université de Montréal. Dr. Bouchard's research focuses on optimizing surveillance of tick-borne diseases (TBDs), identifying social-behavioral/ecological risk factors, forecasting TBDs in the context of climate change, implementing, and evaluating integrated interventions against TBDs and strengthening public health practice. <https://www.clydrn.ca/the-team-catherinebouchard/>

## Panelists:



### **Sarah Merkley**

Sarah Merkley is a candidate for Bachelor of Science in Nursing at McMaster University. Sarah is a CLyDRN Patient Partner and member of the Patient & Community Advisory Committee.



### **Dr. Francois Milord**

Dr. Francois Milord is an Associate Professor in the Department of Community Health Sciences at the Université de Sherbrooke and a Medical Consultant at the Montérégie Public Health Department. Dr. Milord has expertise in the surveillance and control of infectious diseases, especially those that are zoonotic and vector-borne. Dr. Milord's current research focuses on Lyme disease and other tick-borne infections. <https://www.clydrn.ca/the-team-francoismilord/>

## Panelists:



### **Dr. Janet Parsons**

Dr. Janet Parsons is a Research Scientist at the Applied Health Research Centre (AHRC), Li Ka Shing Knowledge Institute of St. Michael's Hospital, an Associate Professor in the Department of Physical Therapy & the Rehabilitation Sciences Institute, University of Toronto, and a CQ Fellow for the Centre for Critical Qualitative Health Research in the Dalla Lana School of Public Health (U of T). As a social scientist and health researcher, her research interests include patients' experiences of illness, health services provision, patient and community engagement, and qualitative methodology (including narrative and arts-based approaches). <https://www.clydrn.ca/the-team-janetparsons/>



### **Ariane Quintal**

Ariane Quintal is a PhD student in Bioethics at Université de Montréal. She is conducting a participatory research project exploring the difficulties encountered by individuals living with rare diseases in the healthcare system. Ariane is a former CLyDRN Patient Partner and former member of the Patient & Community Advisory Committee and Pillar 4.

# STUDENTS & TRAINEES-PM SESSION

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### **Natasha Bowser**

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### **Natasha Bowser**

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### **Claire Hiscock**

Claire, Toronto-born, was raised in Houston, Texas and is of Irish settler ancestry. She returned to Toronto, where she earned an HBSc and an MPH specializing in Indigenous health from the University of Toronto. She is a Ph.D. student at the Rehabilitation Sciences Institute at the University of Toronto. Her doctoral work looks at ticks and tick-borne diseases and their impact in First Nation communities in Southern Ontario, emphasizing how communities can use Traditional Knowledge to adapt to the changing presence of ticks. She has a passion for community-driven research that has a meaningful impact for the community.



## Presenters:



### James Logan

James is a Doctoral candidate in Epidemiology at the University of Ottawa. With a Master's degree in Geographic Information Science, he previously worked with the government and private sectors as a spatial analyst and GIS application developer. His doctoral thesis examines social and environmental effects on Lyme disease risk, with a focus on the impact of urban landscape change at the city scale.



### Stephanie Minkova

Stephanie is a second year DVM student at the Western College of Veterinary Medicine. She completed her Bachelor of Science, majoring in Biology and minoring in Applied Biology at the University of British Columbia. In the summer of 2022, Stephanie completed a summer research project focusing on tick surveillance in SK with Dr. Emily Jenkins in the Department of Veterinary Microbiology at the WCV. Her research interests include pathogens of public health importance, and the interface between ecological, animal, and human health.

## Presenters:



### Jenna Naus

Jenna is a second-year medical student at Dalhousie University. Previously she completed a Bachelor of Science with Honours in Biology at Acadia University. Jenna grew up on the South Shore of Nova Scotia where Lyme Disease is very prevalent, making research in Lyme Disease a passion of hers.



### Liliana Potes

Liliana is a trained microbiologist with experience in the analysis, training, and supervision of personnel in the in the environmental and pharmaceutical field. She is particularly interested in the issues and challenges at the interface between humans, animals, and the environment. This interest led her to continue her studies by completing a Master's degree in Veterinary Public Health, which involved her participation in the evaluation of the Integrated Animal Health Program of Quebec (PISAQ) pilot project. Subsequently, she completed a second Master's degree in Epidemiology at the Faculty of Veterinary Medicine, working on the development of an integrated "One Health" intervention strategy to reduce the risk of Lyme disease in the Bromont community area.

## Presenters:



### **Dr. Rachel Wamboldt**

Dr. Rachel Wamboldt is a cardiology fellow at Queen's University in Kingston. Dr. Wamboldt completed her medical training at Norwich Medical School in the United Kingdom, followed by her internal medicine training at Queen's University. Her research interests are in Lyme carditis and the effects of sex hormones on cardiovascular electrophysiology. She is a mother of three and hopes to complete an additional fellowship in advanced echocardiography.

# EXECUTIVE COMMITTEE, PILLAR & COMMITTEE UPDATES

## Moderator:



### **Veronica Harris-McAllister**

Veronica Harris-McAllister is the Network Manager for CLyDRN.

## Presenters:



### **Dr. Cécile Aenishaenslin**

Dr. Cécile Aenishaenslin is an Assistant Professor at the Université de Montréal where she is a part of the Research Group in Epidemiology of Zoonoses and Public Health (GREZOSP). Dr. Aenishaenslin's expertise is in zoonoses epidemiology, with an emphasis on the evaluation of preventive interventions, programs, and policies coherent with a One Health approach. <https://www.clydrn.ca/the-team-cecile-aenishaenslin/>



### **Twylla Bird-Gayson**

Twylla Bird-Gayson is a CLYDRN Patient Partner and member of the Network Leads Committee, Patient & Community Advisory Committee, Pillar 1, and Pillar 3.

## Presenters:



### **Dr. Catherine Bouchard**

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## Presenters:



### **Dr. Rob Brison**

Dr Rob Brison is a Professor Emeritus in the Department of Emergency Medicine at Queen's University. His prime research interests have been in the fields of Clinical Decision Rules and Injury Epidemiology. He is currently serving as co-PI for the CIHR funded CLyDRN Network.



### **Dr. Katie Clow**

Dr. Katie Clow is an Assistant Professor in One Health in the Department of Population Medicine at the Ontario Veterinary College (OVC), University of Guelph. Dr. Clow's research focuses on the ecology and epidemiology of vectors and vector-borne zoonoses, with a specific emphasis on the blacklegged tick and Lyme disease. <https://www.clydrn.ca/the-team-katieclow/>

## Presenters:



### **Dr. Rob Colautti**

Dr. Rob Colautti is an Assistant Professor of Ecology and Evolution in the Department of Biology at Queen's University. Researchers in the Colautti Lab apply computational methods new high-throughput sequencing to investigate tick-borne pathogens and other microbes that may affect risks to human health. <https://www.clydrn.ca/the-team-robertcolautti/>



### **Dr. Lisa Dias**

Dr. Lisa Dias is a Clinical Research Specialist at St. Michael's Hospital, Unity Health Toronto. She specializes in qualitative health research and currently coordinates the Brokered Dialogue study "Understanding Stakeholder Perspectives on Lyme Disease in Canada". Lisa also supports patient and community engagement work within CLyDRN.



## Presenters:



### **Dr. Clara Juando-Prats**

Dr. Clara Juando-Prats is an Assistant Professor at the Dalla Lana School of Public Health at the University of Toronto and the Lead of the Qualitative Research and Patient and Community Engagement Team at the Applied Health Research Centre (AHRC), Ontario SPOR Support Unit, at the Li Ka Shing Knowledge Institute of St. Michael's Hospital. <https://www.clydrn.ca/the-team-claraiuandoprats/>



### **Dr. Manisha Kulkarni**

Dr. Manisha Kulkarni is an Associate Professor in the School of Epidemiology & Public Health at the University of Ottawa. Dr. Kulkarni holds a PhD in Entomology and brings over fifteen years of experience in characterizing vector-borne disease risk in global settings, with an interest in the impacts of environmental changes on disease emergence and transmission. <https://www.clydrn.ca/the-team-manishakulkarni/>

## Presenters:



### **Dr. Patrick Leighton**

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### **Pamela Scott-Crace**

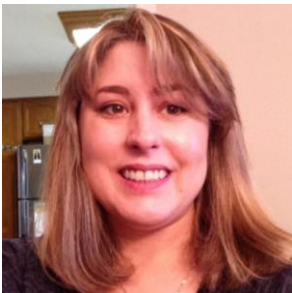
Pamela Scott-Crace is a retired editor and lives in Lunenburg County, Nova Scotia. She is CLyDRN Patient Partner since March 2020 and a member of the Network Leads Committee, Patient & Community Advisory Committee, and Pillar 2.

## Presenters:



### **Dr. Elizabeth Stringer**

Dr. Elizabeth Stringer is an Associate Professor of Pediatrics and Medicine at Dalhousie University in Halifax, Nova Scotia. Dr. Stringer is a pediatric rheumatologist and clinical researcher at the IWK Health Centre, the tertiary care pediatric hospital for the Maritime provinces. <https://www.clydrn.ca/elizabeth-stringer-bio/>



### **Terrie Wainwright**

Terrie Wainwright is a CLyDRN Patient Partner and member of the Executive Committee, Network Leads Committee, Patient & Community Advisory Committee, Pillar 1, Pillar 2, and Pillar 3.

# Future Events

## Virtual Lyme Disease Awareness Event

See you in May 2023...

## In-Person 2023 AGM & Scientific Conference

See you in Fall 2023...