

12:50 Welcome!

1:00 Identification of key host volatiles responsible for tick attraction

Laura Pickett, Kirk Hillier, Nicoletta Faraone
Acadia University, Wolfville, NS

1:15 Epigenetic modifications - an additional player in tick borne diseases

Anne Berthold and Vett Lloyd
Mount Allison University, Sackville, NB

1:30 Leptospirosis and *Borrelia bissettii* in wildlife in New Brunswick

Samantha Bishop and Vett Lloyd
Mount Allison University, Sackville, NB

1:45 Preliminary investigations into the transference and survival capabilities of metastrongyloid L3

Will Robbins, Spencer Greenwood, and Gary Conboy
University of Prince Edward Island, Charlottetown, PEI

2:00 Effects of *Nectonema* sp. on the behaviour and physiology of Atlantic rock crabs.

Samantha Stevens and Fraser Clark
Dalhousie University, Halifax, NS

2:10 Break

2:20 Zombies are Real! How the parasitic wasp *Cotesia congregata*, hijacks the brain of its host, the caterpillar *Manduca sexta*.

Shelley Adamo
Dalhousie University, Halifax, NS

2:35 A question of Can't or Won't: Parasitized caterpillars (*Manduca sexta*) stop chewing despite an intact motor system

Dylan Miller and Shelley Adamo
Dalhousie University, Halifax, NS

2:50 Changes in proteomic profiles in the brains of *Manduca sexta* during emergence of the parasite *Cotesia congregata* (A first glance)

Laura McMillan and Shelley Adamo
Dalhousie University, Halifax, NS

3:05 Living in a world filled with pathogens and predators: Effects of combined challenges on anti-predator behaviour

Sungwoo Song and Shelley Adamo
Dalhousie University, Halifax, NS

3:20 Title TBD

Ryan Herbison and Shelley Adamo
Dalhousie University, Halifax, NS

3:30 The scent of manipulation: How malaria may aid its transmission by altering host odour

Tristan Sanford and Dave Shutler
Acadia University, Wolfville, NS

3:45 Break/move into breakout rooms

4:00 **Breakout rooms**

Ticks and ectoparasites

Parasite identification and life cycles

Combining immunology and parasitology

Parasite manipulation of host behaviour and physiology

4:50 Break/move to keynote

5:00 *Keynote*

Host manipulation by parasites: evolution, mechanisms, and consequences

Dr. Robert Poulin
University of Otago, New Zealand