

Atlantic Canada Association of Parasitologists
Annual meeting 2017
October 20 to 22, Customs House Inn, Pictou, Nova Scotia

Friday, October 20

17:00 Registration (\$75 for full-time faculty, \$60 for students, post-docs, and retirees)

18:30 **ACAP Reception**

Customs House Inn

Russell Easy's and sous-chef Dave Shutler's seafood chowder

Saturday, October 21

08:50 Convenors: **Russell Easy, Dave Shutler and Todd Smith**

Acadia University

Welcome to ACAP 2017

09:00 **Spencer Greenwood***, **Laura Bourque**, **Fiep de Bie**, **Jonathan Spears**, **Rachael Speare** and **Scott McBurney**

University of Prince Edward Island

Genes is: a trich in the tale

09:15 **Claire Bullock***, **Laura Ferguson**, **Russell Easy** and **Todd Smith**

Acadia University

The role of the skin microbiome in the attraction of mosquitoes (*Culex territans*) to green frogs (*Rana clamitans*) infected with *Hepatozoon* blood parasites

09:30 **Amy Prescott***, **Laura Ferguson**, **Glenys Gibson** and **Todd Smith**

Acadia University

Too much of a good thing: does overactive immunity kill mosquitoes (*Culex territans*) infected with *Hepatozoon* blood parasites from green frogs (*Rana clamitans*)?

09:45 **Laura Ferguson*¹**, **Nicole Beckett¹**, **Marie-Catherine French¹**, **Madeline Campbell¹**, **Todd Smith¹** and **Shelley Adamo²**

¹*Acadia University*, ²*Dalhousie University*

Sugar intake of adult mosquitoes (*Culex pipiens*) interacts with temperature to influence reproduction and immunity

10:00 **Michael Light*¹**, **Dave Shutler¹**, **Chris Cutler²** and **Kirk Hillier¹**

¹*Acadia University*, ²*Dalhousie University*

Semiochemical control of *Varroa destructor*, a primary pest of western honey bees

10:15 **Jenna Priest*¹**, **Michael Boudreau²**, **Don Stewart¹** and **Dave Shutler¹**

¹*Acadia University*, ²*Nova Scotia Department of Natural Resources*

Associations between parasite load and body condition in Nova Scotia coyotes (*Canis latrans*)

- 10:30 **Gary Conboy*** and **Nicole Guselle**
University of Prince Edward Island
 Paratenic transfer of infective third-stage larvae of *Crenosoma vulpis* in experimentally infected gastropods
- 10:45 Coffee break
- 11:00 Keynote address: **Janet Koprivnikar**
Ryerson University
 Decisions, decisions: host and parasite behaviours influence infection outcomes
- 12:00 Lunch at Customs House Inn
- 13:00 **Melanie Buote*¹, Spencer Greenwood¹, Glenda Wright¹, Earl Dawe², Darrell Mallowney² and Rick Cawthorn¹**
¹*University of Prince Edward Island*, ²*Fisheries and Oceans Canada*
 Patterns of inflammation in wild-caught Newfoundland snow crabs
- 13:15 **Alexandra Brown*** and **Russell Easy**
Acadia University
 Molecular identification of endoparasites of northern squid (*Doryteuthis pealeii*)
- 13:30 **Hillary Dort*** and **Russell Easy**
Acadia University
 Using DNA barcoding to identify an unknown parasite of striped bass, *Morone saxatilis*
- 13:45 **Dominique Williams*¹, Katie Baba¹, Jacob Hambrook¹, Tyler Lynn¹, Aaron Frenette¹, Devin Ward², Edmund Redfield³ and Mike Duffy¹**
¹*University of New Brunswick*, ²*Eel Ground First Nation*, ³*Fort Folly First Nation*
 Assessing the feasibility of antemortem parasitological diagnosis of the swim bladder nematode *Anguillicola crassus* in American eels
- 14:00 **Tyler Lynn¹, Stephanie Ratelle², Ross Jones², Becky Graham², John Whitelaw², Leroy Anderson², Sarah Tuziak², Aaron Frenette¹ and Mike Duffy*¹**
¹*University of New Brunswick*, ²*Fisheries and Oceans Canada*
 Investigating features of the life history of *Argulus canadensis* infecting Atlantic salmon in the St. John River, New Brunswick
- 14:15 **Laura Carvalho***, **Laura Braden**, **Shona Whyte**, **Sara Purcell** and **Mark Fast**
University of Prince Edward Island
 Characterizing infection dynamics and host response in a coinfection of *Lepeophtheirus salmonis* and *Moritella viscosa* in Atlantic salmon
- 14:30 **Dylan Michaud***, **Jordan Poley** and **Mark Fast**
University of Prince Edward Island
 Sex-biased genes and their rates of evolution in salmon lice (*Lepeophtheirus salmonis*)

- 14:45 Coffee break
- 15:30 **Julie Beaulieu* and Vett Lloyd**
Mount Allison University
Molecular scatology: Who is eating *Borrelia burgdorferi* reservoir species?
- 15:00 **Vett Lloyd*, Kelsey McIntyre and Jamie Patterson**
Mount Allison University
The trouble with tick tourism: exotic ticks and their pathogens in the Canadian Maritimes
- 15:15 **Alexandra Foley-Eby* and Vett Lloyd**
Mount Allison University
The gentle island? Passive surveillance of Prince Edward Island's ticks
- 15:45 **Laurabeth Gill* and Vett Lloyd**
Mount Allison University
A novel antimicrobial active against *Borrelia burgdorferi* B31
- 16:00 **Joey Beaton* and Vett Lloyd**
Mount Allison University
Sex in the Lymelight
- 16:15 **Frederica Jacks*, Rachael Frederick, Holly Johnson, Khadijah Carey, James Kho, Amal El Nabbout and Tatiana Rossolimo**
Dalhousie University
Effects of *Anaplasma* spp. and *Borrelia* spp. on physiology and behaviour of *Ixodes scapularis*
- 16:25 **Mandy Mitton*, Mathew Curry, Taylor Caddell, Ty Bryant, James Kho, Amal El Nabbout and Tatiana Rossolimo**
Dalhousie University
Transovarial transmission of bacteria in ticks
- 16:35 Free time
- 18:30 **ACAP Banquet**
Customs House Inn
Dave Shutler's and sous-chef Russell Easy's famous chilli
- 20:00 Social festivities

Sunday, October 22

Have a safe trip home!