

Atlantic Canadian Association of Parasitologists
2018 Programme
October 19-21, Customs House Inn, Pictou, Nova Scotia

Friday, October 19

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 20

08:50 Welcome to ACAP 2018

Laura Ferguson

Dalhousie University

09:00 Attraction of mosquitoes to epidermal bacteria isolated from green frogs infected with intraerythrocytic parasites

Megan Tobin*, Claire Bullock, Russell Easy, Melanie Coombs, Laura Ferguson, and Todd Smith

Acadia University

09:15 Immune responses within the digestive system and haemocoel of mosquitoes infected with *Hepatozoon* parasites from the blood of green frogs

Emma Costello*, Amy Prescott, Laura Ferguson, and Todd Smith

Acadia University

09:30 A pilot study investigating parasite management and strongyle egg shedding patterns on Prince Edward Island horse farms

W Ben Stoughton*, Samantha Begin, Susan Outman, and Henrik Stryhn

Atlantic Veterinary College, University of Prince Edward Island

9:45 Ticks in the Maritimes

Andrea Kirby* and Vett Lloyd

Mount Allison University

10:00 Olfaction in ticks: electrophysiological investigation of tick response to essential oils for the development of new repellent products for human protection

Samantha Macpherson*, Nicoletta Faraone, Vett Lloyd, and Kirk Hillier

Acadia University

- 10:15 Development of new repellent natural products and innovative strategies in tick management
Nicoletta Faraone*¹, Junwhei Zhu², and Kirk Hillier¹
Acadia University, USDA
- 10:30 Control of *Varroa destructor*, the primary pest of western honey bees (*Apis mellifera*)
Michael Light*, Kirk Hillier, and Dave Shutler
Acadia University
- 10:45 Coffee break
- 11:00 Keynote address: **Lien Luong**
Mitey costly: metabolic and non-consumptive effects of ectoparasitism
University of Alberta
- 12:00 Lunch at Customs House Inn
Sponsored by the Parasitism, Immunity and Environment section of the Canadian Society of Zoologists
- 13:00 A pathogenomic comparison of virulent and avirulent *Aerococcus viridans* var *homari*
ES Garlock*, Spencer Greenwood, and KF Clark
Dalhousie University, Faculty of Agriculture
- 13:15 A bioinformatic and histopathological approach to understanding the health status of rock crab (*Cancer irroratus*)
EA Baker, Melanie Buote, and KF Clark*
Dalhousie University, Faculty of Agriculture
- 13:30 Identification of *Borrelia bissettii* in ticks from New Brunswick, Canada
Julie Lewis*^{1,2} and Vett Lloyd²
¹*Université de Moncton*, ²*Mount Allison University*
- 13:45 Molecular detection of *Borrelia* in tissues
Hasibul Haque* and Vett Lloyd
Mount Allison University
- 14:00 What's in Wile E? Lyme disease in Nova Scotia coyotes
Chris Zinck* and Vett Lloyd
Mount Allison University
- 14:15 Host-parasite associations in coyotes (*Canis latrans*)
Jenna Priest*¹, Dave Shutler¹, Don Stewart¹, and Michael Boudreau²
¹*Acadia University*, ²*Department of Lands and Forestry*
- 14:30 Infectivity of spontaneously-shed *Angiostrongylus vasorum* L3 to dogs.
Will Robbins*¹, Spencer Greenwood¹, Amanda Egers¹, Melanie Buote¹, Megan Jones¹, Dave McRuer², and Gary Conboy¹
¹*Atlantic Veterinary College, University of Prince Edward Island*; ²*Parks Canada*

- 14:45 Coffee break
- 15:00 A phylogenetic analysis of black queen cell virus demonstrating viral spread across native and wild bees in Canada
Emma Blanche*¹, Russell Easy¹, and Sophie Cardinal²
¹Acadia University, ²Agriculture Canada
- 15:15 Solving for Parasite X: morphological and molecular identification of unknown parasites in the guitarfish (*Rhinobatos productus*)
Hillary Dort*¹, Ralph Appy², David Cone³, and Russell Easy¹
¹Acadia University, ²Cabrillo Marine Aquarium San Pedro, California, ³83 Rhodenizer Lake Road, Dayspring, Nova Scotia
- 15:30 Filling the gaps in GenBank: morphologic and molecular characterization of *Skrjabingylus nasicola* found in mink (*Mustela vison*) native to Prince Edward Island
Amanda Egers*¹, Will Robbins¹, Haifaa Mahjoub¹, Laura Bourque^{1,2}, Megan Jones^{1,2}, Rosemary Curley³, Shannon Martinson¹, Gary Conboy¹, and Spencer Greenwood¹
¹Atlantic Veterinary College, University of Prince Edward Island; ²Canadian Wildlife Health Cooperative; ³PEI Provincial Biologist-retired
- 15:45 The Price is Right: molecular characterization of *Pricetrema zalophi* in grey seal populations in Atlantic Canada
Caitlyn Gray*¹, Amanda Egers¹, Will Robbins¹, Laura Bourque^{1,2}, Megan Jones^{1,2}, Spencer Greenwood¹, and Gary Conboy¹
¹Atlantic Veterinary College, University of Prince Edward Island; ²Canadian Wildlife Health Cooperative
- 16:00 Free time
- 18:30 ACAP Banquet
Customs House Inn
Dave Shutler's and sous-chef Russell Easy's famous chili
- 20:00 Social festivities

Sunday, October 21

Safe travels home!