

# Atlantic Canada Association of Parasitologists

## Annual meeting 2021

October 22 to 24, Customs House Inn, Pictou, Nova Scotia

### Friday, October 22

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 famous seafood chowder

### Saturday, October 23

09:24 Convenor: **Laura Ferguson**  
*Acadia University, Dalhousie University*  
Welcome to ACAP 2021

09:30 **Emma Jones\***, **Laura Ferguson**, and **Todd Smith**  
*Acadia University*  
Immune responses in mosquitoes (*Culex territans*) infected with *Hepatozoon sipedon* from the blood of Common Garter Snakes

09:45 **Lindsay Folker\***, **Todd Smith**, and **Laura Ferguson**  
*Acadia University*  
Effects of microplastics on mosquito-pathogen interactions and overall mosquito vector capacity

10:00 **Taylor Swanburg\***, **Emma Rand**, **Todd Smith**, **Kirk Hillier**, **Russell Easy**, and **Laura Ferguson**  
*Acadia University*  
Detecting the spread of invasive mosquitoes and disease potential in Nova Scotia

10:15 **Emma Rand\***, **Todd Smith**, and **Laura Ferguson**  
*Acadia University*  
Comparing the thermal immune performance of native and invasive mosquito species

10:30 Coffee break

11:00 Keynote address: **Gary Conboy**  
*University of Prince Edward Island*  
Thirty years a parasitologist: lessons learned

- 11:30 Keynote address: **Dave Shutler**  
*Acadia University*  
A parasitologist's complex life cycle
- 12:00 **ACAP Lunch**  
*Customs House Inn*
- 13:00 **Will Robbins, Spencer Greenwood, and Gary Conboy**  
*University of Prince Edward Island*  
Metastrongyloid L3 survival in deceased *Limax maximus* slugs
- 13:15 **Kylee Graham<sup>\*1,2</sup>, Laura Bourque<sup>1,2</sup>, Spencer Greenwood<sup>1</sup>, Gary Conboy<sup>1</sup>, and Megan Jones<sup>1,2</sup>**  
<sup>1</sup>*University of Prince Edward Island*, <sup>2</sup>*Canadian Wildlife Health Coöperative Atlantic Region, PEI*  
Sarcoptic mange in Prince Edward Island canids
- 13:30 **Anne Berthold\* and Vett Lloyd**  
*Mount Allison University*  
In vitro expression changes after infection of endothelial cells with the tick-borne pathogen *Borrelia*
- 13:45 **Alexandra Nuyens\*, Anne Berthold, and Vett Lloyd**  
*Mount Allison University*  
Investigation of methylation status in relation to the presence of *Borrelia burgdorferi* in Black-legged Ticks (*Ixodes scapularis*)
- 14:00 **Riley Oremush\* and Vett Lloyd**  
*Mount Allison University*  
Determining Raccoon roundworm prevalence in Maritime Canada
- 14:15 **Russell Easy**  
*Acadia University*  
The parasitic freshwater mussel: back to Costa Rica
- 14:30 Coffee break
- 15:00 **Marianna Rampaul<sup>\*1</sup>, Stephanie DeWitte-Orr<sup>2</sup>, and Fraser Clark<sup>1</sup>**  
<sup>1</sup>*Dalhousie University*, <sup>2</sup>*Wilfrid Laurier University*  
Immune response stimulation by a dsRNA prophylactic in selected crustacean species
- 15:15 **Nicolas Argenta da Conceicao\* and Fraser Clark**  
*Dalhousie University*  
The lobster hepatopancreas transcriptome reveals genes involved in impoundment shell disease

- 15:30 **Haozhe Wang\***, **Laura Pickett**, and **Nicoletta Faraone**  
*Acadia University*  
Repellent and acaricidal activities of basil (*Ocimum basilicum* L.) essential oils and rock dust against ticks (Ixodidae spp.)
- 15:45 **Lydia Zamlynnny\***, **Laura Pickett**, **Haozhe Wang**, and **Nicoletta Faraone**  
*Acadia University*  
Green synthesis of Zn nanoparticles with yarrow extract as a tick management tool
- 16:00 **Laura Pickett\***, **Lydia Zamlynnny**, **Haozhe Wang**, and **Nicoletta Faraone**  
*Acadia University*  
Repellent and acaricidal activities of yarrow (*Achillea millefolium* L.) essential oils against ticks
- 16:15 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 24**

Have a safe trip home!