



# Department of Biology Newsletter

April 28, 2017

UNIVERSITY OF VICTORIA

## Congratulations to Honors Students, Who Presented Their Orals

### Alek Case

**Supervisors:** Drs. Patrick Walter and Raad Nashmi.  
**Thesis Title:** *"Iron Detection in Substantia Nigra Models Using Ultrasound"*

### Melanie Horne

**Supervisor:** Dr. Patrick Gregory  
**Thesis Title:** *"Assessing impacts of radiotransmitters on snakes with a focus on survivorship"*

### Anique Le Roux

**Supervisors:** Drs. Patrick Walter and Raad Nashmi  
**Thesis title:** *"Investigating iron deficiency and excess in dopaminergic neuro 2A cells a possible Parkinson's disease inducing environment"*

### Eva MacLennan

**Supervisor:** Dr. Francis Juanes  
**Thesis Title:** *"Sounds, seas, and the singing fish: the behavioural response of the plainfin midshipman (Porichthys notatus) to anthropogenic noise, and the importance of habitat complexity in laboratory studies"*

### Audrey McPherson

**Supervisors:** Drs. Gerry Allen and Joe Antos  
**Thesis Title:** *"The seedling bank in an ancient coastal forest: crown morphology of Abies amabilis seedlings in low light conditions"*

### Logan Moore

**Supervisor:** Dr. Steve Perlman  
**Thesis Title:** *"Maternally inherited and host-specific Spiroplasma in the ant genus Myrmica"*

### Paige Murphy

**Supervisor:** Dr. Brian Christie  
**Title:** *"Prodigy Pups: Lasting Effects of Maternal Exercise on Offspring Neurogenesis"*

### Anique Le Roux

**Supervisors:** Drs. Patrick Walter and Raad Nashmi  
**Thesis title:** *"Investigating iron deficiency and excess in dopaminergic neuro 2A cells a possible Parkinson's disease inducing environment"*

### Joshua Palmer

**Supervisor:** Dr. Brian Christie  
**Thesis Title:** *"Cold brew coffee and multiple object tracking, a pilot study for potential interactions"*

### Angela Pang

**Supervisor:** Dr. Brian Christie  
**Thesis Title:** *"Differential Impact of Repeated Low Frequency Stimulation on the Medial and Lateral Perforant Pathway in the Dentate Gyrus of Rats"*

### Yamila Michelle Franco Pena

**Supervisor:** Dr. Steve Perlman  
**Thesis Title:** *"X chromosome meiotic drive and mate choice in Drosophila testacea"*

### Chloe Slomowitz

**Supervisors:** Drs. Julia Baum and Francis Juanes  
**Thesis Title:** *"Functional Diversity of Eelgrass Fish Communities Across a Human Disturbance Gradient"*

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# Calendar

## Important Dates:

**Tuesday, April 25**

Examinations end for all faculties. End of Winter Session



## 2017/2018 Official Academic Year Begins

**Monday, May 1**

May-Aug courses begin for all faculties, except Faculty of Law

Law

**Friday, May 5**

Senate Meets

**Monday, May 8**

May and May-June courses begin. May-August courses begin for Faculty of Law

# March for Science

The March for Science, which took place in Victoria on April 22, 2017, was a great success!

A big thank you to the organizing committee for their great work: Dr. Barbara Ehling, Dr. Jürgen Ehling, Dr. Francis Nano, Dr. Terrie Finston, Dr. Angela Schlesinger, Katlin Pater, Emmy Lyytikainen, Esme Friesen, Aiden Knight, Vimela Jeevanandam and Farisha Ali.





## Announcements

### **Biology Publications**

**Teffer, A.K., Hinch, S.G., Miller, K.M., Patterson, D.A., Farrell, A.P., Cooke, S.J., Bass, A.L., Szekeres, P. & F. Juanes**

(2017) Capture severity, infectious disease processes, and sex influence post-release mortality of sockeye salmon bycatch. Conservation Physiology 5(1): cox017; doi:10.1093/conphys/cox017

### **Co-op Career On-line Summer Job Expo**

Thinking about your summer job prospects? Explore your options at this online job expo.

Prepare for your work search; explore job search tools; browse summer job employers plus opportunities; find out how co-op and Career can help. [uvic.ca/coopandcareer/summerjobs](http://uvic.ca/coopandcareer/summerjobs)



## Conferences

### **World Recreational Fishing Conference (WEFC8)**

The 8th World Recreational Fishing conference is returning to Canada for 2017. The conference unites the global recreational fishing community providing an essential forum to discuss current research. Held every three years, this is the only international conference focused solely on recreational fisheries.

The host organization for the 2017 conference is the Fresh Water Fisheries Society of BC, in cooperation with the Sport Fishing Institute of BC

Dates: July 16-20, 2017

Place: World Recreational Fishing Conference, Victoria, BC



## Volunteer Opportunities

### **Parks Canada BioBlitz 2017**

Volunteer experts needed! Share your knowledge and contribute to the protection of Parks Canada's heritage places.

#### **Who?**

Survey Leaders: Professional scientists from scientific or educational institutes or regional, provincial or federal agencies or naturalists with a solid knowledge of the taxonomic groups and years of experience surveying, collecting and identifying.

Survey Assistants: Naturalists, students, specialists or interpreters with an intermediate knowledge of taxonomy and survey methods.

#### **What?**

Survey Leaders: Lead species surveys, identify species, educate about biodiversity, and possibly deliver public programs.

Survey Assistants: Assist Leaders, upload observations to iNaturalist.ca, or encourage the public to do so, and possibly deliver family programs.

#### **Why volunteer?**

Make a difference for the environment. Share your enthusiasm and knowledge. Access Parks Canada sites for surveys and collecting. Have fun with peers out in the field.

#### **Where?**

**BioBlitz in the Meadow:** Fort Rodd Hill National Historic Site. 10:00 am to 4 pm Saturday, May 13, 2017

Contact: [aimee.pelletier@pc.gc.ca](mailto:aimee.pelletier@pc.gc.ca) 250-478-5140

**West Coast Quest:** Pacific Rim National Park Reserve. Noon Saturday, May 20 to noon Sunday, May 21, 2017

Contact: [diana.lukinuk@pc.gc.ca](mailto:diana.lukinuk@pc.gc.ca) 250-726-3509

**Island Quest Gulf Islands National Park Reserve. Pender Island:**

4:00 pm Friday, June 9 to 4:00 pm Saturday, June 10

Register on-line or call 250-654-4000

[www.BioBlitz2017gulfilands.eventbrite.ca](http://www.BioBlitz2017gulfilands.eventbrite.ca)

## Scholarship Opportunities

### **Freshwater Fisheries Society of BC Scholarship Opportunity**

The Freshwater Fisheries Society of BC is a private non-profit organization dedicated to the enhancement and conservation of BC's freshwater fish resources for the benefit of the public. The society delivers the provincial fish stocking program to support sport fishing; offers a range of conservation services to protect wild fish, and promotes the importance of sport fishing and fish conservation to the public.

**Award and Eligibility Requirements:** The Freshwater Fisheries Society of BC awards up to four scholarship awards annually with a value of up to \$1500 each. These scholarships are available to students enrolled in a fish culture or fisheries management program within a recognized post-secondary educational institution in British Columbia. To be eligible applicants must have completed at least their first year of post secondary studies and plan to continue as a student, with the intent of establishing a career in British Columbia in one of the following fields: Fish culture, recreational fisheries management; fisheries enhancement, conservation and/or research. Previous recipients are not eligible to reapply.

#### **Application Requirements:**

Interested applicants may submit either a short essay or an audio visual presentation that outlines career aspirations and how past experience, interests, and chosen educational program will benefit BC freshwater recreational fisheries upon your graduation. Also outline an environmental issue in BC that is important to you and why. An essay must be between 740-1000 words or an audio visual presentation between five and ten minutes in length.

Your application must also include:

\*A copy of your recent transcript

\*Your resume

\*The names and contact information of three references, including at least one academic and/or faculty member reference.

\*An indication that if you are the award recipient, you give permission to Freshwater Fisheries Society of BC to publish your photo and application essay in our Newsletter.

Submit your application to the Freshwater Fisheries Society of BC, Human Resources Department by May 31, 2017 by email to: [jobs@gofishbc.com](mailto:jobs@gofishbc.com) Funds will be awarded in a tuition credit for the fall term upon proof of full time enrollment.

For further information about the Freshwater Fisheries Society of BC, please visit [www.gofishbc.com](http://www.gofishbc.com)

## Summer Course at Friday Harbor Laboratories

### **Summer Course on Fish Swimming at Friday Harbor Laboratories**

Fish Swimming: Kinematics, Ecomorphology, Behavior & Environmental Physiology". A summer course for graduate students and post-doctoral fellows, July 17 to August 18, 2017 (FHL 528, 9 credits).

Instructors: Drs. Pablo Domenici and John F. Steffensen

Subjects and techniques: The main subjects will be: 1) the kinematics and performance of swimming in fish using various locomotory modes, 2) the ecomorphology of fish locomotion, 3) locomotor strategies, 4) metabolic aspects of fish swimming, and 5) the effect of various environmental factors on fish swimming. These topics will be treated in lectures and laboratory sessions. Students will learn technique of video analysis, kinematics, energetics and respirometry.

For a list of published papers carried out by students during the course in previous years: <http://www.mbl.ku.dk/JFSteffensen/fhl/publications-fhl.htm>

Tuition fees and financial aid: FHL offers financial aid to applicants from any country. FHL has recently lowered the tuition fees for summer courses. General information for applicants (including tuition and financial aid, room and board) can be found at:

<http://depts.washington.edu/fhl/studentSummer2017.html#SumB-3>

Deadline: Applications will be accepted until the end of February or later, if space is available.

Contact: For additional information contact: [paolo.domenici@cnr.it](mailto:paolo.domenici@cnr.it) or [jfsteffensen@bio.ku.dk](mailto:jfsteffensen@bio.ku.dk)

#### **Editors:**

L. Alcaraz-Sehn, C. Laliberté

Contributors: Dr. B. Ehling, Dr. Juanes,  
Amy Teffer, Dr. Nashmi

#### **Department of Biology**

P.O. Box 1700  
STN CSC

Victoria, BC,  
V8W 2Y2,  
Canada

Tel: 250-721-7095

Fax: 250-721-7120

Email: [biology@uvic.ca](mailto:biology@uvic.ca)

Website:

<http://www.uvic.ca/science/biology/>

