



Department of Biology

March 15, 2022

UNIVERSITY OF VICTORIA

2022 Biology Graduate Symposium

The 2021/2022 Biology Graduate Student Symposium will be held from 9 am – 4 pm on Thursday April 7th in the Medical Sciences Building (MSB) room 160 and Friday April 8th in the Bob Wright Centre (BWC) room A104.

Biology Graduate Students will provide 12-minute presentations on their current research, followed by a brief question and answer period.

Everyone is welcome to attend, and this event is a great opportunity to learn what Biology Graduate Students have been up to! Themes include Ecology and Evolution, Neuroscience, Cell and Molecular Biology, Forest Biology, and Marine Biology. [Find event info and updates](#)

If you have any questions feel free to contact event organizers at BioGradSymposium@gmail.com. The event will be in person and accommodations will be made for individuals who are immune-compromised/high risk/symptomatic on a case-by-case basis. We are prepared to offer the event remotely or in a hybrid format, if needed.



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Inside this Issue:

33RD. ANNUAL BIOLOGY	1
SEMINARS	1
CALENDAR	2
BIOLOGY NEWS	2
BIOLOGY NEWS	3
BCSC	3
WORKSHOPS	3
EMPLOYMENT OPPORTUNITIES	4

Biology Seminars



Biology

Dr. Sean Crowe

Associate Professor,
Department of Microbiology,
UBC

“Microbial responses to
ocean deoxygenation”

Friday, March 18, 2022
(Zoom)

Forest Biology

Dr. Charlotte Norris

Forest Soils Research Scientist,
Pacific Forestry Centre,
Canadian Forest Service,
NRCAN

“Human effects on soil
Health”

Wednesday, March 23, 2022
2:30 pm CUN 146
(Zoom)



Biology

Lia Chalifour

Biology PhD Candidate, Uvic
Exit Seminar

“Nearshore habitat use,
estuarine residency, and
conservation priorities for
Pacific Salmon in the Fraser
River, British Columbia”

Friday, March 25, 2022
3:30 pm MSB 150
(Zoom)

Biology

Dr. Mathew Brown

Associate Professor,
Department of Biology,
Mississippi State University

“TBA”

Friday, April 1, 2022
(Zoom)

Calendar

Important Dates:

Friday, March 4

Friday, April 1

Thursday, April 7

Monday, April 11

Friday, April 15

Monday, April 18

Friday, April 29

Senate meets

Senate meets

Last day of classes for all faculties

Examinations begin for all faculties

Good Friday

Easter Monday

Examinations end for all faculties



Biology News

Congratulations!



Congratulations to Dr. Julia Baum on receiving the 2021 Provost's Award in Engaged Scholarship.

The PAES celebrates the integration of outstanding UVic Scholarship, teaching and community engagement.

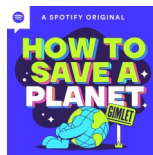
"Engaging with the public and policy-makers on climate change is critical for ensuring that we have an informed society, so that we can make better decisions to advance climate action in Canada and beyond." - Dr. Julia Baum



Congratulations to Dr. Gautam Awatramani for landing a 5-year CIHR grant entitled "Hierarchical neural computation in the mammalian retina"

Click [here](#) for more information.

How To Save A Planet (Spotify) Featuring Dr. Julia Baum



Julia Baum is featured on "How To Save A Planet," a Spotify original podcast. In it, she highlights her team's research findings and experiences studying the coral reefs of Christmas Island in the eastern Indian Ocean. Baum discusses climate-induced coral bleaching and the resilience and resistance of coral reefs. Madeleine McPherson, David Bristow and Tamara Krawchenko are also cited for their ongoing research on renewable energy and sustainable technologies.

Name of Podcast: "[Are the Coral Reefs Really Doomed?](#)"

Graduate Students Defence Oral Presentations

Lia Chalifour

PhD

"Nearshore habitat use, estuarine residency, and conservation priorities for Pacific Salmon in the Fraser River, British Columbia"



Thursday April 14,

11:00 am

(If you wish to attend please contact the supervisor to provide you with a Zoom link)

Supervisor: Dr. Julia Baum

Contact: baum@uvic.ca

Camille Giuliano

MSc

"Holocene Fire Regimes and Links to Climate and Vegetation History on Pender Island, British Columbia, Canada"



Friday, April 8, 2022

9:00 AM

(If you wish to attend please contact the supervisor to provide you with a Zoom link)

Supervisor: Dr. Terri Lacourse

Contact: tlacours@uvic.ca

Biology News

Publications

[Gain control by sparse, ultra-slow glycinergic synapses](#) *Cell Reports*

Varsha Jain, Laura Hanson, Santhosh Sethuramanujam, Tracy Michaels, Jerram Gawley, Ronald G. Gregg, Ian Pyle, Chi Zhang 6, Robert G. Smith, David Berson, Maureen A. McCall, Gautam B. Awatramani

[Parallel processing in active dendrites during periods of intense spiking activity](#) *Cell Reports*

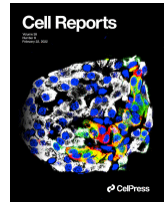
Benjamin L. Murphy-Baum, Gautam B. Awatramani

[Organization and emergence of a mixed GABA-glycine retinal circuit that provides inhibition to mouse ON-sustained alpha retinal ganglion cells](#) *Cell Reports*

Abhilash Sawant, Briana N. Ebbinghaus, Adam Bleckert, Clare Gamlin, Wan-Qing Yu, David Berson, Uwe Rudolph, Raunak Sinha, Mrinalini Hoon

[Climate and species traits drive changes in Holocene forest composition along an elevation gradient in Pacific Canada.](#)

Frontiers in Ecology and Evolution Lacourse, T. and Adeleye, M.A. (2022).



Welcome to the Biology Department

Dr. Shima Ebrahimi Konacha
Post Doc
Delaney Lab

Dr. Joan Alfaro-Lucas
Post Doc
Bates Lab

BCSC Climate Action Series

Climate Action Series

This series brings cutting-edge ocean research, conservation efforts, and coastal climate issues straight to the public. Using a mixed media approach, their free and interactive series of webinars, workshops, and podcasts will cover climate change issues in coastal communities while highlighting action-based initiatives for every day people to influence climate solutions.

Episode 13 Regenerative Ocean Farming Streaming Wednesday March 30th at 1pm PST. [Registration](#)

Episode 11, Deep Sea and Oceanographic Changes—[Watch it now on YouTube](#)

Episode 12 Climate Education and Misinformation - [Watch it now on YouTube](#)

[Watch all episodes](#)



WORKSHOP

The Land of Conservatory Deertrails Naturalist Program Clearwater 2022

The Clearwater session of the Deertrails Naturalist Program is hosted by The Land Conservancy of B.C. Instructors this year are Lyn Baldwin (ecologist and artist), Briony Penn (artist and author), Nancy Flood (ornithologist and ecologist), Maleea Acker (poet and teacher) and Trevor Goward (lichenologist and place-based naturalist), with special guest instructor Nancy Turner (ethnobiologist and botanist).



This workshop is designed to help participants learn how to learn about place. We'll harness direct experience of the natural world as a means of reimagining our place within it. Availing ourselves of the scientific and artistic tools of natural history and the deep insights of ecocriticism, we'll give voice to our experiences through guided readings, memory maps, field journal entries and drawings, as well as through contemplative writing pieces and oral presentations.

Dates: April 26 to May 2, 2022 Application Deadline: 11:59 PM Sunday, March 13, 2022.

Fee: \$695 (includes meals and accommodation)

More information 250-479-8053 email: dstenberg@conservancy.bc.ca

Employment Opportunities

SUMMER EMPLOYMENT BMSC (BAMFIELD MARINE SCIENCES CENTRE)

Summer TA Opportunity

Course: Marine Invertebrate Zoology, Summer 2022

Dates: May 6 to June 17, 2022

Qualifications:

- *Be a graduate student with previous experience at the BMSC,
- *Have good knowledge of the local marine fauna and Barkley Sound
- *Have a SVOP 16-hour Standard First Aid course
- *The ability to make significant contributions to teaching of course material is desirable.
- *Summer Semester TA applications due: April 1, 2022



Please see detailed [Marine Invertebrate Zoology course description](#).

BULLFROGCONTROL.COM INC

The Bullfrog Control Program will continue in 2022 in the Western Communities and is currently looking to fill several positions for fieldwork technicians. Work term is from late-April to late-September, possibly into early October. Must be available five nights per week for 4 hours per night beginning at dusk. However, work is weather-dependent, e.g. cannot work in high wind or rain. Interviews will be conducted throughout March.

- Proficiency in the English language
- Valid BC Driver's licence, clean driving record, and personal vehicle to get to and from the office
- Physically fit for rowing, often in rigorous conditions, as well as wielding the electro-frogger pole with sufficient ease as to avoid repetitive stress issues and while maintaining their balance in the boat
- Professional interest in biological fieldwork, herpetology, invasive species, conservation biology, etc
- Rower: Superior abilities at rowing an inflatable boat backwards, manoeuvring it through aquatic vegetation, intuitively understanding where the back of the boat needs to be relative to the target bullfrog and for the person at the back of the boat to properly operate the electro-frogger, must hold a fixed position during captures, must be able to quickly improvise solutions in positioning and holding the position of the boat to benefit the crew partner. Amphibian identification skills.
- Electro-frogger Operator: Superior balance and agility while sometimes working from a standing position. Good upper body strength including arms and shoulders for wielding the seven foot electro-frogger pole, often through obstructive and weighty vegetation. Occasionally leaving the boat to retrieve bullfrogs located out of the water. Excellent eyesight for spotting bullfrog eye reflections. Amphibian identification skills.

This notice is not connected in any way with the UVic Co-op Program. Applicants should contact Stan Orchard for an interview.

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