



# Department of Biology

Sept 21, 2022

UNIVERSITY OF VICTORIA

## Welcome to Fall 2022 term!

### Welcome BBQ

Welcome back to the start of the new term. I hope you've all had a bit of time off, perhaps attended some conferences, and are now re-energized for the new semester.

In case you were away, we've recently welcomed Lan Tran as a new Senior Lab Instructor, and also had Mark Lewis and his research team join us. Please say hello or introduce yourselves when you get the chance.

Mark Lewis and his research group have moved into a lab in the basement and Amanda Bates' lab renovations are done, and her group is also now in the basement floor of Cunningham. Great to have both groups now in the department.

Thank you for making the Welcome BBQ a huge success and many thanks to Jennie Bartosik for organizing it! It was a great opportunity to reconnect, meet the new graduate students and post-docs, and we enjoyed a beautiful summer day!

-Dr. Peter Constabel  
Chair, Department of Biology

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## Biology Seminars

<u>Biology</u>	<u>Biology</u>	<u>Biology</u>	<u>Biology</u>
<b>Dr. Ben Ashby</b> Dept. of Mathematics, Simon Fraser U	<b>Dr. Mary Power</b> Department of Integrative Biology University of California, Berkeley	<b>Dr. Ana Tigano</b>	<b>Dr. Jim Johnson</b>
"Eco-evolutionary dynamics and the parasitism-mutualism continuum"	"Algal symbioses as tipping points for river food webs"	"TBA"	"TBA"
Host: Dr. Perlman perlman@uvic.ca	Host: Drs. Mazumder and Juanes juanes@uvic.ca	Host: Dr. Owens grego@uvic.ca	Host: Dr. Templeman nmtempleman@uvic.ca
Friday, September 23, 2022 3:30 pm MSB 160	Friday, October 7, 2022 3:30 pm MSB 160	Friday, October 14, 2022 3:30 pm MSB 160	Friday, October 21, 2022 3:30 pm MSB 160

If you have stories or announcements that you would like to share in the Biology newsletter, please email:

Jennie Bartosik at [biology@uvic.ca](mailto:biology@uvic.ca) or Laura Alcaraz-Sehn at [bioclerk@uvic.ca](mailto:bioclerk@uvic.ca)



## Calendar

### Important Dates:

**Monday, September 19th**  
**Tuesday, September 20th**

**Friday, September 23rd**

**Friday, September 30th**

**Friday, September 30th**

**Friday, October 7th**

**Monday, October 10th**

**Tuesday, October 11th**

**Wednesday, October 19**

**Monday, October 31st**

Day of Mourning—Queen Elizabeth II  
Last day for graduate student to  
register in a personal leave in first  
term

Last day for adding course that begin  
in the first term

Last day for paying first term fees  
without penalty

National Day for Truth and Reconciliation

Senate meets

Thanksgiving Day

Last day for 50% reduction of tuition fees for standard courses. 100% of  
tuition fees will be assessed for courses dropped after this date. For non-  
standard courses see [undergraduate](#) and [graduate](#) Course add and drop  
dates

Senate Committee on Academic Standards meets to approve convocation  
lists

Last day for withdrawing from first term course without penalty of  
failure







University  
of Victoria

Lansdowne Lecture



# DR. MARY POWER

Department of Integrative Biology,  
University of California, Berkeley

## Floods, Droughts, and River Food Webs

**Thursday, 6 October | 7:00 p.m.**  
**Bob Wright Centre, B150 Flury Hall**

Presented by the **Department of Biology**

In rivers under Mediterranean seasonality, seasonal flow regimes determine the state of alternate algal-based food webs. Flow regimes depend on precipitation and flow regulation, which regulate algal growth and river food webs. Under low flow, diatoms and green macroalgae are overgrown by cyanobacteria. Toxic cyanobacteria have killed dogs in Eel River and other rivers, and sea otters off Monterey Bay. As we confront global warming and climate disruption, we need vigilant stewardship of our rivers and nearshore food webs to inform our decisions about water allocations and land cover change.

Our Public Lecture Series feature the words and work of distinguished men and women, across a vast array of academic and research endeavours. As host of this lecture series, we continue our mission of enriching the human mind and heart.

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**FREE & OPEN TO EVERYONE | SEATING IS LIMITED**

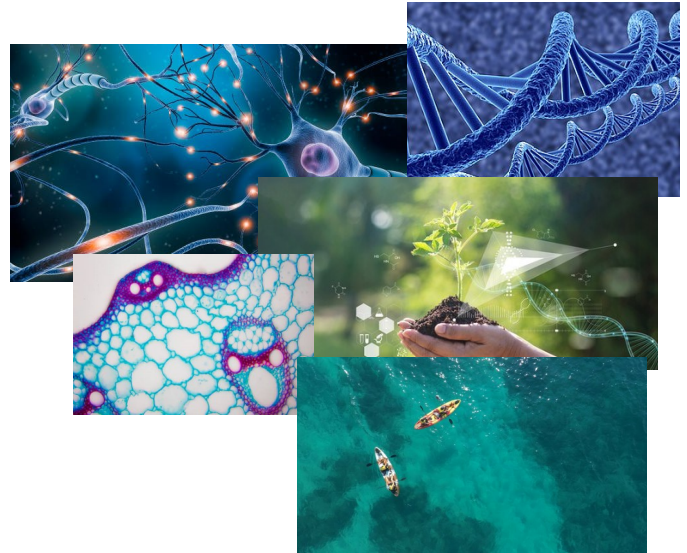
For disability accommodation call 250-721-7091

[uvic.ca/events](http://uvic.ca/events)

## Welcome to our new Graduate Students

**Foad Abazari**  
**Talen Rimmer**  
**Jameson Clarke**  
**Braden Donaldson**  
**Wesley Greentree**  
**Cara Herrington**  
**Yedel Huberman**  
**Taylor Kaban**  
**Eva MacLennan**  
**Mitra Nikoo**  
**Christina Shellenberg**  
**Deborah Sharpe**  
**Nathan Sykes**  
**Brian Timmer**  
**Daisuke Yamakawa**

Supervisor: Dr. Raad Nashmi  
Supervisor: Dr. Francis Juanes  
Supervisor: Dr. Steve Perlman  
Supervisor: Dr. Francis Juanes  
Supervisor: Dr. Francis Juanes  
Supervisor: Dr. Amanda Bates  
Supervisor: Dr. Barbara Hawkins  
Supervisor: Dr. Kerry Delaney  
Supervisor: Dr. Rana El-Sabaawi  
Supervisor: Dr. Amanda Bates  
Supervisor: Dr. Francis Juanes  
Supervisor: Dr. Francis Juanes  
Supervisor: Dr. Greg Owens  
Supervisor: Dr. Julia Baum  
Supervisor: Dr. Barbara Hawkins



## Welcome to our new Faculty and Staff



Dr. Lan Tran  
Senior Lab Instructor



Dr. Mark Lewis  
Professor

# Welcome to the Biology Department



## Biology News

### News

Taylor Lab: Hayley Barnes successfully defended her MSc on Sept 6. The thesis was entitled: *A deep dive into the sablefish (Anoplopoma fimbria) opsin repertoire: insight into melanopsin expression, localization and function in an unlikely demersal model.*

### Publications

M. Woods, lead author, F. Juanes Senior author Context-dependent effects of anthropogenic noise on nest defence in a singing toadfish"

<https://doi.org/10.1016/j.anbehav.2022.06.018> (Juanes lab)

Parra ALC, CDT Freitas, PFN Souza, P von Aderkas, CH Borchers, GA Beattie, FDA Silva, RW Thornburg (2022) Ornamental tobacco floral nectar is a rich source of antimicrobial peptides. Plant Science 324: 111427 <https://doi.org/10.1016/j.plantsci.2022.111427> (von Aderkas lab)

### The Ecostats@UVic group

The Ecostats@UVic group is a graduate student –run group that aims to facilitate the learning of statistics as they apply to ecological systems. We meet on a weekly basis during the Fall and Spring semesters and everyone is welcome to attend. We believe that statistics should not be scary and that we can tackle our ecological stats problems with a group of like-minded peers.

This year we are focusing on building the basics and advancing our skills. We will be starting from the ground up to build our statistical knowledge and skills by working collectively through tutorials that were made by the Coding Club. Even if you have a strong background in stats, there will be things to learn and discussions to help expand and reinforce concepts as well.

We hope that these meetings will help everyone to gain confidence and the skills needed to conduct their research. The meeting time will be determined based on demand and if you want to fill out this when2meet (<https://www.when2meet.com/?16276855-EnDiF>) before Sept 15th, we will take your availability into consideration.

[The Ecostats](#)

## Volunteer Opportunities

### The Royal BC Museum Paleontology Collection : Volunteers needed



Volunteers needed to help organized the fossil collection! Volunteers will get a chance to work directly with the fossils, and should be able to safely lift and handle small and medium size delicate objects.

No prior experience is necessary, and there is no minimum time commitment (although it would d be great if volunteers could commit at least a few hours at a time per session). W are generally able to host volunteers between 10 am and 4:00pm Monday to Friday. Prospective volunteers need to complete the museum's Cultural Awareness training, which includes watching some training videos and writing brief reflections about those videos prior to beginning their on site volunteering.

If you are interested please , please contact the palaeontology collections manager Derek Larson at [dlason@royalbcmuseum.bc.ca](mailto:dlason@royalbcmuseum.bc.ca). Volunteer applications are submitted at the following link:

<http://royalbcmuseum.bc.ca/support-us/volunteer/about-volunteering#how-to-apply>

## Job Opportunities

### **Ministry of Water, Land and Resource Stewardship, Williams Lake**

Senior Aquatic Ecosystem Biologist \$72,724.97 - \$83,014.85 annually plus \$91.99 - \$105.00 TMA bi-weekly The Ministry of Water, Land and Resource Stewardship is accountable for integrated water, land and natural resource management and cross-sector legislation, policy, and objective setting for land and marine environments. Building on integrated land and resource management efforts in the past, the Ministry will seek to build a new vision in collaboration with natural resource ministries and First Nations that will embrace shared decision making on the land base.

The role and work of the Ecosystems Section in the Cariboo Region of the Ministry of Lands, Water and Resource Stewardship is to conserve and manage native species and ecosystems. The work involves a broad range of subject areas and functions including collecting and managing information on species habitat and ecosystems, species at risk, habitat conservation, management and restoration, and developing and implementing standards and guidelines related to these areas.

The Senior Aquatic Ecosystem Biologist will lead and coordinate aquatic habitat assessments throughout the region as well as provide scientific and regulatory advice on complex, sensitive natural resource issues. This role also includes supervision of 1-2 staff and possibly summer students.

#### **Qualifications for this role include:**

- Bachelor's Degree in biological sciences or related field and 5 years related experience\* OR
- Masters Degree in biological sciences or related field and 3 years related experience\* OR
- Ph D in biological sciences or related field and 1 year related experience\*
- Registered (or immediately eligible for registration) as a Registered Professional Biologist (RPBio) in BC with the College of Applied Biology. Note: Immediately eligible is defined as being able to transfer a current membership from an applicable jurisdiction to the CAB within six months of employment.
- Experience assessing and monitoring natural resources.
- Experience related to management of aquatic ecosystem communities (including, for example, invertebrates, amphibians, fish, riparian habitat, wetlands). \*Related experience must include two or more of the following:
- Experience providing scientific and regulatory advice related to aquatic ecosystems to biologists, technicians, decision-makers and other agencies regarding biological impacts as a result of resource development.
- Experience managing complex and sensitive natural resource management issues/projects related to aquatic ecosystems in a team environment with some demonstrated leadership experience.
- Experience in negotiating/mediating solutions in natural resource management related to aquatic ecosystems with external and internal stakeholder groups.
- Experience developing and/or implementing provincial, federal, and/or local government natural resource legislation and policy related to aquatic ecosystems.

For more information, and to apply online by September 28, 2022, please go to:

<https://bcpublicservice.hua.hrsmart.com/hr/ats/Posting/view/91309>



Where ideas work

**Editors: L. Alcaraz-Sehn, J. Bartosik**

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**Department of Biology**

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