



Department of Biology

Nov 22, 2022

UNIVERSITY OF VICTORIA

'What's up' in the Department of Biology UVic

News From the Juanes Lab

Angeleen Olson (Juanes Lab alumni, now a scientist at Hakai Institute), Dr. Juanes, and several other authors at the Hakai institute investigated the connection between eelgrass beds and their surroundings specifically the importance of external food sources. Through stable isotope analysis of isopods, it was found that kelp contributed to a large proportion of the diet of these isopods. Not all grazers showed this pattern thus demonstrating the importance of allochthonous food sources and mesograzers preferences in the eelgrass ecosystem. (DOI:10.3389/fpls.2022.991744)

Mauricio Carrasquilla-Henao (Juanes Lab alumni, now a scientist at Hakai Institute), Mario Rueda (Invemar, Colombia), and Dr. Juanes investigated the use of mudflat and mangroves in a Caribbean Lagoon system in Colombia looking at fish biomass, diversity and the distribution of adults and juveniles (DOI:10.1016/j.ecss.2022.108090)

Morgan Martin, a postdoctoral fellow in the Juanes Lab, and a large interdisciplinary and international team of 12 other co-authors published a paper looking at the behaviour of tagged beluga whales when in the vicinity of ships. They found that the swimming speed of the belugas was negatively correlated to the distance from a ship up to 79km away. Other changes in behavior were observed when ships were within 50km of the tagged whales. (DOI: 10.1111/MMS.12978)

Most studies of sound produced by these vessels have been investigating the sound produced while underway. A study by Kelsie Murchy (Ph.D. student), Dr. Juanes, and DFO scientist Dr. Svein Vagle investigated the sound produced by large commercial vessels at anchor in Cowichan Bay. The research team found that sound pressure levels increased by 2-8dB throughout the bay indicating a substantial change in the soundscape of Cowichan Bay when a large commercial vessel was at anchor. (DOI: 10.1016/J.MARPOLBUL.2022.113921)

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Biology Seminars

Biology

Rhonda Reidy

PhD Candidate, Department of Biology UVic



"Fine-scale prey and feeding behaviour of humpback whales in southern British Columbia"

Supervisor: Dr. Francis Juanes

Friday, November 25, 2022

3:30 pm
MSB 160

Biology

Dr. Bob Chow

Professor, Department of Biology, UVic



"Developmental mechanisms underlying retinal interneuron subtype development"

Host: Dr. Peter Constabel
cpc@uvic.ca

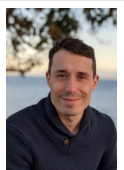
Friday, December 2, 2022

3:30 pm
MSB 160

Biology

Harley Gordon

PhD candidate, Department of Biology UVic



"Salicinoid biosynthesis in poplar"

Supervisor: Dr. Peter Constabel

Friday, December 9, 2022

3:30 pm
MSB 160

Calendar

Important Dates:

Friday, December 2nd

Tuesday, December 6th

Tuesday, December 6th (Friday course schedule)

Thursday, December 8th

Thursday, December 15th

Senate Meets

National Day of Remembrance and Action on Violence Against Women

Last day of classes in first term for all faculties

First-term examinations begin for all faculties

Undergraduate deadline to apply to graduate for Spring Convocation



Herpetologists' League Award for Distinguished Service to Herpetology

Congratulations Dr. Patrick Gregory!

The Herpetologists' League is pleased to announce that the recipient of the 2022 Award for Distinguished Service to Herpetology is Dr. Patrick T. Gregory, of the University of Victoria, in British Columbia, Canada. Currently a Professor Emeritus of Biology, Pat Gregory has not only pursued a distinguished career in research, teaching, and mentorship that has spanned nearly 50 years, but he has served the herpetological community through his involvement in many major service roles.

This year's Award for Distinguished Service to Herpetology especially recognizes Pat for the breadth of his service on behalf of the broader herpetological community, through his leadership and service roles in multiple professional societies and as the host of several major herpetological conferences.



Dr. Gregory in 2028. Kent, England with
large female Barred Grass Snake.
P.C. Lynda Gregory

Pat has provided extensive committee service, most notably to ASIH, which recognized him with the Robert K. Johnson Award for service in appreciation for his 19 years on the Board of Governors, seven years on the Long Range Planning Committee, and eight years on the Executive Committee. However, Pat has also served in major committee roles in the Herpetologists' League (HL; including chair of the Award for Distinguished Service to Herpetology selection committee), on the Board of Directors of the Society for the Study of Amphibians and Reptiles (SSAR), and on the International Herpetological Committee of the World Congress of Herpetology. Most notably, Pat has served as President of several herpetological societies, including the ASIH, the Canadian Association of Herpetologists, and (as Founding Co-President) the CHS.

His extensive record of professional accomplishments is a testament not only to his high level of energy, but also to his enthusiasm for welcoming colleagues into his scientific and personal circle. Throughout his lengthy career, Pat Gregory has served the field of herpetology through his long and active engagement with colleagues, students, and our professional societies. The Herpetologists' League is privileged to confer this year's Award for Distinguished Service to Herpetology on our colleague Patrick T. Gregory.

Upcoming Oral Examinations

Upcoming Oral examinations

Rhonda Reidy

“Fine-scale Prey and Foraging Behaviour of Humpback Whales in Southern British Columbia”

Wednesday, November 30th, 2022

CLE B007



Supervisor: Drs. Francis Juanes and Laura Cowen

Job Opportunity

Ministry of Land, Water and Resource Stewardship

This position may be performed in other approved locations within the Province of BC. For specific information about a location, applicants must contact the Hiring Manager to confirm if working from that location could be considered.

Environmental Flow Needs Specialist \$72,724.97 - \$83,014.85 annually plus 3.3% Temporary Market Adjustment

The Aquatic Ecosystems Branch of the Ministry of Land, Water and Resource Stewardship leads the development of strategic conservation policy, science, and assessments for native aquatic species and aquatic ecosystems. Within the Branch, the Aquatic Conservation Science Section leads conservation science and research initiatives that improve the collective understanding of our province's species and ecosystems, their status, and threats.

This position provides aquatic specialist expertise focused on the annual and seasonal flow needs of freshwater ecosystems and biological communities, with an emphasis on fish friendly flows. The incumbent will work with provincial government partners, as well as partners from other governments (federal, First Nation and others as appropriate) on assessments and advice to support the provision and maintenance of fish friendly flows within the framework of natural resource management. Qualifications for this role include:

- PhD in biological sciences, natural resource management, or equivalent and 2 years of related experience*. Preference may be given to applicants with this combination, OR
- Masters in biological sciences, natural resource management, or equivalent and 3 years of related experience*, OR
- Undergraduate Degree in biological sciences, natural resource management, or equivalent and 4 years of related experience.
- Preference may be given to applicants with education and/or experience in conservation biology, aquatic ecology, and/or hydrology.
- Registered (or immediately eligible**) as a Registered Professional Biologist (RP Bio) in B.C. with the College of Applied Biology within six months of employment.

*Related experience includes the following:

- Experience working with fish and fish habitats in freshwater environments.
- Experience working on multidisciplinary teams in natural resource management context.
- Experience writing science plans, technical reports and/or publications.

For more information, and to apply online by November 23, 2022, please go to:
<https://bcpublicservice.hua.hrsmart.com/hr/ats/Posting/view/92947>



Where ideas work

Job Opportunity

Ministry of Land, Water and Resource Stewardship. Multiple locations

This is an exciting opportunity to join the Aquatic Ecosystems Branch! Within the Branch, the Aquatic Conservation Science Section leads conservation science and research initiatives that improve the collective understanding of our province's species and ecosystems, their status, and threats. Aquatic Invasive Species Specialist \$72,724.97 - \$83,014.85 annually Grid 27, 3.3% TMA

As the specialist, you will work with an extensive network of partners including inter-ministerial and non-government organizations on prioritizing provincial approaches to high-risk aquatic invasive fauna, developing and improving prevention strategies, advancing surveillance, coordinating rapid response to new incursions, and delivering community outreach for new and emerging priorities. Specifically, you will be responsible for advising on policy and procedures associated with aquatic invasive fauna and new introductions of high-risk fauna to be adopted province-wide while ensuring that related prevention and control activities are undertaken in a consistent, scientifically defensible approach.

Qualifications for this role include:

PhD in a related science field (e.g., biological sciences, ecology, natural resources management or related discipline) and 2 years related experience OR

Master's Degree in a related science field (e.g., biological sciences, ecology, natural resources management or related discipline) and 3 years related experience OR

Bachelor's degree in a related science field (e.g., biological sciences, ecology, natural resources management or related discipline) and 4 years related experience

Registered (or eligible) as a Registered Professional Biologist (RP Bio) in B.C. with the College of Applied Biology within six months of employment. (i.e., currently a Registered Professional Biologist (RPBio) member in good standing in another Canadian jurisdiction and can immediately transfer to the CAB).

Related experience must include all of the following:

Minimum two years' experience interpreting and applying environmental management legislation, regulations and policies.

Experience managing projects (including design, implementation and evaluation phases, not necessarily for the same project)

Minimum two years' experience writing and/or reviewing funding applications and/or partnership agreements.

Minimum two years' experience in data management, synthesis and reporting.

Minimum two years' experience communicating complicated scientific concepts in a simple way to the general public and/or government executives, orally and in writing.

Experience working on multidisciplinary teams in natural resource management context.

For more information and to apply online by December 6, 2022, please go to:

<https://bcpublicservice.hua.hrsmart.com/hr/ats/Posting/view/93723>



Where ideas work

Department of Biology



Congratulations to Megan Davies for winning the
candy count!
There were 277 candies and she guessed 287!!!!



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