



# Department of Biology Newsletter

May 2, 2016

UNIVERSITY OF VICTORIA

## Congratulations to our Biology Honours Students who Defended April 2016

### Madison Appleby

**Title:** "Intraspecific variation in body stoichiometry of threespine stickleback (*Gasterosteus aculeatus*) in bar-back estuaries along the central Californian coast"

### Rhea Ashmead

**Title:** "Expression of Recombinant Human  $\alpha$ -N-Acetylglucosaminidase in Sf9 Insect Cells following Stop Codon Addition"

### Eleanor Brouard-John

**Title:** "Species Distribution Modelling of Three Plant Species in Western North America"

### Aoife Collins

**Title:** "Hippocampal Neuroinflammation in the juvenile female rat following single and repeat Awake mild traumatic"

### Christine Chiu

**Title:** "Short term chronic unpredictable stress is not sufficient to induce depressive symptoms in Long Evans rats"

### Kira Craig

**Title:** "Plant Macrofossil Analysis of a Holocene Peat Sequence from Central Vancouver Island, British Columbia."

### Malcolm Cowan

**Title:** "Modeling Post-Harvest Growth of *Vibrio* para-haemolyticus in Oysters"

### Katrina Harms

**Title:** "Climate change in tropical stream ecosystems"

### Nova Hanson

**Title:** "Fish-mediated nutrient recycling in two local populations of threespine stickleback, *Gasterosteus aculeatus*"

### Maeve Hodge

**Title:** "Measuring free and total malondialdehyde and 4-hydroxynonenal as biomarkers of oxidation leading to inflammation in patients with beta-Thalassemia"

### Alexander Hoffman

**Title:** "Asymmetrical laterality of head turn response to pro- and antisocial vocalizations utilizing a robotic replica indicates referential signal structure in intra-specific communication in *Canis familiaris*"

### Tyler Irwin

**Title:** "The Functional Characterization of the SLC gene in *Populus tremula*  $\times$  *P. alba* and its Potential Role in Lignin Biosynthesis"

### Gabrielle Levesque

**Title:** "Effects of Iron on an In Vitro Model of Parkinson's Disease Using Mouse Neuro 2A Cells"

### Kieran Lowe

**Title:** "Sequence Analysis of the Pax6 3' Untranslated Region in Wild-type and Pax6 Knock-in Mice"

### Chris Madsen

**Title:** "Species Distribution Models to investigate factors limiting the geographic ranges of three plant species (*Erythronium grandiflorum*, *E. montanum* and *Bistorta bistortoides*) in southern British Columbia"

### Velina Milkova

**Title:** "Utilizing GCaMP6S as a Novel Tool for Visualization of Nicotinic Acetylcholine Channel Receptor Function in Subcellular Regions of HEK293T Cells"

### Olga Mosca

**Title:** "The interaction of genomic, morphological and microhabitat variation in a wild population of Threespine Stickleback (*Gasterosteus aculeatus*)"

### Dennis Saw

**Title:** "Defense Specificity of a *Drosophila* Symbiont"

### Lisa Szostek

**Title:** "Storm impacts on benthic community structure on Kiritimati atoll"

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## Calendar

### Important Dates:

**Monday, May 2**

**Friday, May 6**

**Monday, May 9**

**Monday, May 23**

**Thursday, May 26**

**Wednesday, June 1**

**Thursday, June 2**

**Monday to Friday, June 13-17**

**Friday, June 24**

**Thursday, June 30**

**Friday, July 1**

**Monday, July 4**

**Friday, July 15**

**Tuesday, July 26**

**Wednesday, July 27**

**Wed-Friday, July 27-29**

May-Aug courses begin for all faculties

Senate meets

May and May-June Courses begin

Last day for course changes in Faculty of Law

Victoria Day

Senate Committee on Academic Standards meet to approve Convocation lists

May courses end

June courses begin

Spring Convocation

May-June and June courses end

Reading Break, May-August sections only

Canada Day

July and July-August courses begin

Deadline to apply to graduate for fall convocation (all faculties)

July courses end

August courses begin

Supplemental and deferred examinations for Winter session 2015-2016 (except for Engineering courses)



## Graduate Defence

### Eric Hertz, PhD Graduate Student



Friday, June 10, at 1:30 pm

David Turpin Building A 144

Supervisor: Dr. Asit Mazumder

Title: "The Drivers and Implications of Spatial and Temporal Variation in the Feeding Ecology of Juvenile Chinook Salmon"

## Announcements

### Faculty of Science Excellence Awards



Dr. Julia Baum,  
Research Excellence Award

Our very own Biology Professors, Dr. Julia Baum and Dr. Patrick von Aderkas, are two of the winners of the 2016 Faculty of Science Excellence Awards.

Many congratulations to them from everyone in the Department of Biology.

The awards will be presented at the Faculty of Science Awards Ceremony, which will be held in the late Fall.



Dr. Patrick von Aderkas,  
Teaching Excellence Award

### Craigdarroch Research Awards

Congratulations to Dr. Verena Tunnicliffe, winner of David H. Turpin Gold Medal for Career Achievement in Research.

Please read the complete story in The Ring, UVic's community news source.

<http://ring.uvic.ca/news/2016-craigdarroch-research-awards>



Dr. Verena Tunnicliffe

The Award winners will be celebrated at an evening reception on campus on May 5, 2016.

## Announcement for Graduate Students

### Have You Ever Thought You Might Become a Biology Entrepreneur?

UVic's Gustavson School of Business will be offering two sections of its new ENT 100 course in the fall term 2016.

The course sections are scheduled as follows:

ENT 100 A01 MR 10:00-11:30 and ENT 100 A02 MR 11:30-13:00



### **ENT 100 Successful Innovation**

Introduces and applies fundamental knowledge of the phenomenon of innovation in for-profit, social, government, and other contexts; provides tools to aid in the recognition of innovation opportunities; introduces use of creativity techniques, design thinking, and other tools and perspectives to generate effective solutions to complex problems; provides change management tools and perspectives aimed at the successful adoption/acceptance of innovation.

Contact information and general inquiries:

Tel: 250-472-4139 Email: [gustavson@uvic.ca](mailto:gustavson@uvic.ca) Or visit: <http://www.uvic.ca/gustavson/faculty/home/contact/index.php>

## Undergraduate Job Opportunities

### **Environmental Education Technician/Environmental Marine Technician/Environmental Restoration Technician**

The Galiano Conservancy is pleased to offer three full time paid student positions for summer 2016. Conservation, restoration, terrestrial and marine ecology, species at risk, nature education and more - lots of skills to learn and diversity in the summer activities. Spend the summer months on beautiful Galiano and work with amazing people on community focused environmental projects.

Start dates: May 2016 Wage: \$16.50/hour Hours: 35/week (full-time)

These positions are open for students returning to their studies in fall 2016 only. Subject to funding, but interviews are starting in the coming weeks.

For more information, contact Tanya Inglis, Administrator at:

[tanya.inglis@galianoconservancy.ca](mailto:tanya.inglis@galianoconservancy.ca)

250-539-2424

Or visit our website: [www.galianoconservancy.ca](http://www.galianoconservancy.ca)



If you have an event or story you would like to share in the Biology Newsletter, please e-mail: [biology@uvic.ca](mailto:biology@uvic.ca) or [bioclerk@uvic.ca](mailto:bioclerk@uvic.ca)

## Volunteer Opportunities

### **ARCHELON, The Sea Turtle Protection Society of Greece**

For over 30 years, ARCHELON, The Sea Turtle Protection Society of Greece, has been conducting conservation projects on all major loggerhead nesting areas in Greece. You can become a volunteer if, you are 18 years of age, you have minimum 4 weeks available (6 weeks is recommended), you can communicate in English, you are prepared for physically demanding work, you can endure basic living conditions.

You will acquire fieldwork experience and enjoy interacting with volunteers from all over the world who come together to work for nature conservation. Volunteers get involved with sea turtle rehabilitation, public awareness and facilities maintenance. Basic accommodation is provided at the Centre. Volunteers cover their own travel and food costs, as well as other personal expenses and accommodation. Research opportunities are available for undergraduate and postgraduate students.

Contact information:

ARCHALEON, the Sea Turtle Protection Society of Greece.

57 Solomou Str., GR-104 32 ATHENS, Greece

Tel/Fax +30 210 523 1342 e-mail: [volunteers@archelon.gr](mailto:volunteers@archelon.gr) \*<http://www.archelon.gr/eng/volunt.php?row=row2>



### **White Shark Diving Co. Conservation and Research Volunteer Programme**

Exciting opportunity available for students or post graduates who are looking to gain some hands on experience in the field of marine science, conservations biology and ecology. Currently recruiting volunteers for 2016 & 2017.

The White shark diving company is a fully licenced shark cage-diving tour operator recognised by South African Department of environmental Affairs, allowing us to undertake great shark cage diving activities and collect research monitoring data. We care greatly about the oceans and the future thereof which is why we have invested tremendous time and effort into protecting not only the great white shark, but our environment as a whole. Our volunteer research programme allows us to continually support innovative conservation and research projects taking place at the Shark Research Group of the University of Stellenbosch and the SA Shark Conservancy, as well as physically contribute through data collection, monitoring and our own research projects.

Volunteering with White Shark Diving Co. is a unique and exciting opportunity for early-career scientist to be involved in group-breaking marine research exploring great white shark behaviour and demographics, elasmobranch diversity and abundance, fish diversity and abundance, ocean conservation and projects involving an array of other South African marine educational programmes. Field work involves controlled angling surveys from the boat and from shore, collection of behavioural, biological and morphometric data, tagging of sharks and fish using conventional spaghetti tags, snorkelling, shore based transect methods, baited remote underwater video system (BRUVs) surveys and more. There will also be a number of chances to participate in the cage diving activities giving people opportunities to come face to face with the magnificent great white shark in an unforgettable diving experience.

Contact: Mary Rowlinson, Research and Volunteer Manager

E-mail: [mary@sharkcagediving.co.za](mailto:mary@sharkcagediving.co.za)

Phone number: 074-550-665-2366

For more information visit:

[www.sharkcagediving.co.za](http://www.sharkcagediving.co.za)



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