

Monthly Report to the Provost – Faculty of Science

The Faculty of Science has the following to report for the month of October 2019:

Dean's Office:

- **Dr. Lucy Lee**, Dean of the Faculty of Science at UFV welcomed delegates from Abbotsford's sister city, Fukagawa, Japan on October 1, 2019. They were accompanied by Aird Flavelle, member of the Green Party of BC. See story in <https://blogs.ufv.ca/science/2019/10/18/delegation-from-fukagawa-hokkaido-japan-visit-the-faculty-of-science-oct-2019/>
- **Dr. Lee** and **Eryn Braley**, a 2019 UFV BSc Graduate and current temporary UFV Biology Lab Technician, attended the 46th annual [Canadian Ecotoxicity Workshop](#) (CEW) held in Quebec City October 6-9, 2019. Their presentations are noted in appendix below (3, 5). Lucy and Eryn also had the pleasure of meeting [Senator Rosa Galvez](#), who hails from Peru and holds a PhD in Environmental engineering from McGill University. Senator Galvez was interested in the work presented by Dr. Lee and has been invited to UFV as a guest speaker for the Dean's seminar series in January 2020.
- **Dr. Lee** is also a co-author for an article recently accepted in the Journal of Functional Foods (7).
- **Isabelle St-Martin** and several other students in the Faculty of Science, have formed a group called UFV-WEST to support Women in Engineering, Science and Technology. Another student **Sasha Tuttle**, has organized UFV's Wildlife Protection Club. These groups are active and UFV-WEST will hold a Career panel evening on Nov 28.

Biology Department:

- The 2020 Tofino Field School information Session was held on October 23, 2019. A total of 39 students were interested in taking part. The tour leaders are Biology Professors, **Allan Arndt**, **Sandra Gillespie** and **Alan Reid**. Tour dates May 9-25, 2020.
- **Eryn Braley**, BSc19 Biology grad, received an NSERC Indigenous Student Ambassador Award (NISA) and in her spare time, she has been visiting various indigenous communities and schools to disseminate her love of the sciences. See <https://blogs.ufv.ca/science/2019/10/30/eryn-braley-2019-bsc-graduate-and-nserc-indigenous-student-ambassador/>

Chemistry Department:

- The program review for Chemistry is moving along and a site visit from the external reviewers has been scheduled for May 6 and 7, 2020.
- **Drs. Noham Weinberg** and **Jacob Spooner** have been busy submitting a grant to the Petroleum Research Fund of the American Chemical Society.

Mathematics & Statistics Department:

- Math Mania started on a high note on Oct 2, at Centennial Park Elementary school in Abbotsford. Math professors **Vanessa Radzimsky**, and **Dr. Cindy Loten**, coordinated the event with 23 other volunteers including UFV students. There were close to one hundred participants in this event. The next one will be held at Auguston Traditional School in Abbotsford on Feb 5, 2020.
- The Math and Stats Centre has seen a rise in student usage and as in past years, it will participate in the Long Night Against Procrastination (LNAP) on November 6.

- **Dr. Shaun Sun** continues to be active. In addition to completing an app for smartphones (funded by a UFV Fund for Innovation) for students learning statistics, and being used in various first and second year statistics classes; as a research statistician, along with colleagues, **Drs. Longlong Huang** and **Gillian Mimmack**, are co-authors with other local health practitioners in abstracts submitted to two health-related conferences (1, 2, 9).
- **Dr. Erik Talvila**, currently on sabbatical leave, made an online presentation along with other speakers from Czech Republic and Brazil on Integration Theories and Applications for an audience in Mexico (8).

School of Land Use and Environmental Change

- The information session for the joint study tour to Washington DC and New York City was held on October 21, 2019. A total of 22 students attended the session. The tour leaders include Geography Professors **Steven Marsh**, **Mariano Mapili** and Biology Professors **Greg Schmaltz** and **Sharon Gillies**. The tour dates are June 28 – July 13, 2020.
- **Dr. Lenore Newman's** new book "Lost Feast: Culinary and the Future of Food" (6) was released on October 8, 2019. She began her run of 13 radio interviews across the country on October 11th.
- **Dr. Cherie Enns**, is been very active professionally. She had a short but fruitful trip abroad, meeting interns in Nairobi, Kenya; participating in "Children and Armed Conflict: A Pan-African Conference", in Addis Ababa, Ethiopia, on Oct 14-17 and making a presentation in Oslo, Norway. See appendix (4), and has been asked to be a reviewer for the Canada Mortgage and Housing Corporation (CMHC) National Housing Strategy (NHS) Innovation fund.

Presentations/Publications (UFV student names underlined):

1. Beigi A, Vafai-Nodeh S, **Huang L**, **Mimmack G**, **Sun SZ**, Ko JJ (2020) Current trends and clinical outcomes in patients (pts) with locally advanced muscle-invasive bladder cancer (MIBC) undergoing radical treatment. Submitted to the American Society of Clinical Oncology (ASCO) annual meeting, Chicago, IL, May 29- June 2, 2020
2. Blaylock J, **Sun SZ** (2020) Clinical outcomes of bilateral trifocal IOL implantation using a cataract refractive surgical suite. Submitted to the American Society of Cataract and Refractive Surgery (ASCRS) annual meeting, Boston, MA, May 15-19, 2020
3. Braley E, Hay BN, **Lee LEJ** (2019) Evaluating the environmental risks of neonicotinoids in vitro: genotoxicity in fish cell lines. Canadian Ecotoxicity Workshop, Quebec City, QC. Oct 6-9
4. **Enns C** (2019) Child Protection in Conflict Zones: Safe School Learning and Early Warning Zones - Children and Youth in Uganda & South Sudan. Knowledge for Prevention (K4P) International Symposium, Central Campus of the University of Oslo, Norway. October 18.
5. **Lee LEJ**, Bols NC (2019) Development and uses of fish gill cell lines: an update with RTgill-W1 in toxicology. Canadian Ecotoxicity Workshop, Quebec City, QC. Oct 6-9
6. **Newman L** (2019) Lost Feast: Culinary Extinction and the Future of Food. ECW Press, 304 pp.
7. Pumputis PC, Dayeh VR, **Lee LEJ**, Hamilton ME, Liu Z, Viththiyapaskaran S, Bols NC (2020) Beneficial and detrimental effects of the phytochemical naringenin on rainbow trout intestinal epithelial cells. J Functional Foods (JFF-D-19-02152R1, accepted, Oct 27, 2019)
8. **Talvila E** (2019) The Lp primitive integral. Seminar on Integration Theories and Their Applications. Monterrey, Mexico, Oct 23
9. Vafai-Nodeh S, Beigi A, **Huang L**, **Mimmack G**, **Sun SZ**, Ko JJ (2020) Survival outcomes associated with different palliative systemic therapies (PSTs) in patients with metastatic bladder cancer (mBC). Submitted to the American Society of Clinical Oncology (ASCO) annual meeting, Chicago, IL, May 29- June 2, 2020