

Monthly Report to the Provost – Faculty of Science

The Faculty of Science (FoS) has the following to report for the month of **November 2020**:

Dean's Office:

The FoS welcomed Canadian Senator, Dr. Rosa Galvez as part of the Dean of Science Seminar Series this month. Her pre-recorded presentation <https://www.youtube.com/watch?v=E9iOsrQZqXI&feature=youtu.be> was followed by a live Question and Answer Period held on November 12. **Dr. Lucy Lee**, had the pleasure of introducing Her Honour to our UFV community. Watch the Q&A Period:

https://www.youtube.com/watch?v=0tBHg7An_p0&feature=youtu.be

The second annual career panel featuring women working in a variety of STEM professions was hosted by the science student group WEST (Women in Engineering, Science & Technology) on Nov 25 via Zoom with over 30 virtual participants. **Isabel St.Martin** and several other students from WEST introduced the panelists. **Dr. Joanne MacLean**, President of the University, gave the welcome remarks and Dr. Lee closed the session noting the importance of equity, diversity and inclusion (EDI) and how the 5 participating women panelists were amazing role models in their respective fields (academics, environment, computer science, engineering, medicine) to learn, inspire, empower, and network.

Safety prevention measures and procedures appear to be effective in limiting any outbreaks of COVID-19 within the institution. Despite some isolated reports of positive cases, our safety procedures has limited any outbreaks among the face-to-face labs held in Biology and Chemistry.

Biology Department:

Dr. Carin Bondar, Biology Adjunct Professor served as a mentor/panelist and judge at the virtual 'ComSciCon CanWest' meeting held November 13-15 <https://comscicon.com/comscicon-canwest-2020>. A group of 65 science graduate students from across Canada came together to share the results from research in their field. Earlier this month Dr. Bondar streamed her interview and live chat with journalist and science writer, Dr. Emily Willingham, author of the new book "Phallacy". View interview: <https://youtu.be/yZRF9kU1XWk>.

Chemistry Department

Connor Frey https://itp2020.org/1086/speaker_details and **Kenneth Ku** https://itp2020.org/1083/speaker_details under the supervision of **Dr. Golfam Ghafourifar** from Chemistry and in collaboration with **Dr. David Chu** from Math and Stats, presented at the virtual 27th International Symposium on Electrophoretic and Liquid Phase Separation Techniques, on November 2-4, 2020 <https://itp2020.org/> in the Oral "poster pitch" session. Ken presented his poster titled "Optimizing Immobilization of Chymotrypsin with Formaldehyde and Subjecting Peptide Maps of Digests to Principal Component Analysis" and won 1st place for Best Poster by Popular Vote. <https://blogs.ufv.ca/science/2020/11/18/chemistry-students-connor-frey-and-kenneth-ku-present-at-itp-2020/>

Dr. Linus Chiang and his research team launched their new Chiang Research Group Website <https://chianglabadventures.weebly.com/> featuring current and previous team members, photos, publications and news. The team focuses on studying inorganic catalysts that are biologically inspired for small molecule activation.

Chemistry technician **Aileen Ablog** has been busy not only supporting the face-to-face labs in Chemistry but also published her second Keto recipe book. See <https://www.chapters.indigo.ca/en-ca/books/keto-bbq-sauces-rubs-and/9781646040360-item.html>.

Mathematics & Statistics Department

Math and Stats personnel have been busy working virtually and continuing offering the suite of Math and Stats courses online, including the Math & Stats centre which has been offering tutorials online. Their Fall schedule can be seen here: <https://www.ufv.ca/media/assets/mathematics/math-centre-schedules/Virtual-Math-&-Stats-Centre-schedule---Fall-2020-UPDATE-3.pdf>

School of Land Use and Environmental Change (SLUEC)

The Regional and Community Planning working group consisting of **Drs. Cherie Enns, Afia Raja, Stefania Pizzirani, Jonathan Hughes, Lenore Newman** with **Darrell Fox** from the School of Social Work, **Stephen Piper**, College of Arts and **Larissa Horne**, from the Centre for Experiential and Career Education have submitted a concept paper for a Bachelor of Regional and Community Planning (BRACP). The purpose of this degree is to prepare students to be registered professional planners.

Sample List of Presentations/Publications (UFV student names underlined> by FoS personnel:

Enns, C. and Mbuya, E. (November 25, 2020). Co-Production of Play Space in Nairobi and Dar es Salaam - Challenges and Opportunities. International Play Association Virtual Forum. <https://www.ipa2020jaipur.org/>

Jenik K, Alkie TN, Moore E, Dejong JD, **Lee LEJ**, DeWitte-Orr SJ (2020) Characterization of a Bovine Intestinal Myofibroblast Cell Line and Stimulation using Phytoglycogen-based Nanoparticles bound to Inosine Monophosphate. *In Vitro Cell Dev Biol-Anim* (accepted Nov. 20, 2020, manuscript number, #IVAN-D-20-00336R1).

Leung, J.P.S., Cory, J.S., Kabaluk, J.T., and **Janmaat, A.F.** (2020) Effect of Collection Month, Visible Light, and Air Movement on the Attraction of Male *Agriotes obscurus* L. (Coleoptera: Elateridae) Click Beetles to Female Sex Pheromone. *Insects*, 11, 729.

Mbuya, E. and **Enns, C.** (November 25, 2020) International Right to Play: Co-Production of Play Spaces in Dar es Salaam: Policy as a Barrier and Opportunity, India <https://www.ipa2020jaipur.org>