

A Sample of Recent Publications and Conference Proceedings from Graduate Students in the University of Victoria Department of Biology

Peer-Reviewed Publications:

Athar, F., **Karmani, M.**, & Templeman, N. M. (2024). Metabolic hormones are integral regulators of female reproductive health and function. *Bioscience Reports*, 44(1), BSR20231916. <https://doi.org/10.1042/BSR20231916>

Farhoomand, F., Kaban, T., **Kecheliev, V.**, & Delaney, K. R. (2025). Impaired persistence of cortical sensory adaptation following repetitive tactile stimulation in the hindlimb somatosensory cortex of Rett syndrome mice. *Neuroscience*, 579, 165–178. <https://doi.org/10.1016/j.neuroscience.2025.05.304>

Grimm, J., Jarvis-Cross, M., Bailey, M., Ban, N. C., Bartlett, M., Cadman, R., Cannon, S. E., Cooke, S. J., Cyr, K., Dubos, V., Duncan, A., Wolf, J. G., Harrison, H. L., Iyer, A., Kirkwood, A. E., Meng, R. L., Moore, N., Morphet, M. E., Sainsbury, N. C., ... Krkošek, M. (2026). Co-producing knowledge with Indigenous Peoples: Challenges and solutions for academic institutions. *Trends in Ecology & Evolution*, 41(1), 6–9. <https://doi.org/10.1016/j.tree.2025.10.012>

Lawton, M., & Gawryluk, R. M. R. (2024). Protist biochemistry: Functional SUF system facilitated mitochondrial loss. *Current Biology*, 34(17), R823–R826. <https://doi.org/10.1016/j.cub.2024.07.054>

Eglit, Y., **Lawton, M.**, Simpson, A. G. B., & Gawryluk, R. M. R. (2024). *Two newly cultivated eukaryotrophic flagellates represent distinct anaerobic lineages within Rhizaria* (p. 2024.09.01.610664). bioRxiv. <https://doi.org/10.1101/2024.09.01.610664>

Conservation Biology

Eger, A. M., Baum, J. K., Campbell, T., Gil, B. C., Earp, H. S., Falace, A., Freiwald, J., Hamilton, S., Lonhart, S. I., Rootsart, K., Rush, M. Å., Schuster, J., **Timmer, B.**, & Vergés, A. (2026). Creating a global kelp forest conservation fundraising target: A 14-billion-dollar investment to “help the kelp.” *Biological Conservation*, 313, 111573. <https://doi.org/10.1016/j.biocon.2025.111573>

Nikoo, M. L., Richards, C., & Bates, A. E. (2024). Rapid worldwide return to nature after lockdown as a motivator for conservation and sustainable action. *Biological Conservation*, 292, 110517. <https://doi.org/10.1016/j.biocon.2024.110517>

Ecology and Evolution

Baum, J. K., Slein, M. A., Garen, J. C., Sang, Z., Emry, S., Goodwin, K. J. A., Collins, C. G., Lewthwaite, J., Tseng, M., Michaletz, S. T., Burton, A. C., Harley, C. D. G., & Srivastava, D. S. (2026). Widespread ecological responses and cascading effects of the 2021 western North American heatwave. *Nature Ecology & Evolution*, 1–16. <https://doi.org/10.1038/s41559-026-02987-6>

Courtois, M., **Rastello, K.**, Grogard, F., Mailleret, L., Touzeau, S., & van Oudenhove, L. (2024). Sterile Insect Technique: accounting for residual fertility. In *CJC-MA 2024- Congrès Jeunes Chercheu (ses)(rs) en Mathématiques Appliquées*.

Masson, A., **Rastello, K.**, Sacco-Martret de Préville, A., Tricault, Y., Poggi, S., Canard, E., Etienne, M.-P., & Plantegenest, M. (2025). Unveiling the Hidden Feast: A Model to Translate Molecular Detection Into Predation Rate—Application Example on Biological Control by Generalist Predators in Agricultural Fields. *Molecular Ecology Resources*, 25(8), e70033. <https://doi.org/10.1111/1755-0998.70033>

Sibbald, S. J., **Lawton, M.**, & Archibald, J. M. (2021). Mitochondrial Genome Evolution in Pelagophyte Algae. *Genome Biology and Evolution*, 13(3), evab018. <https://doi.org/10.1093/gbe/evab018>

Sibbald, S. J., **Lawton, M.**, Maclean, C., Roger, A. J., & Archibald, J. M. (2025). Pangenome biology and evolution in harmful algal-bloom-forming pelagophytes. *Current Biology*, 35(17), 4215–4228.e6. <https://doi.org/10.1016/j.cub.2025.07.055>

Speakman, C. N., Bull, S., Cubaynes, S., Davis, K. J., Devillard, S., Fryxell, J. M., Gallagher, C. A., McHuron, E. A., **Rastello, K.**, Smallegange, I. M., Salguero-Gómez, R., Bonnaud, E., Duchamp, C., Giraudoux, P., Lacombe, S., Marneweck, C. J., Schroll, L., Tableau, A., Ruetten, S., & Gimenez, O. (2025). Understanding and Predicting Population Response to Anthropogenic Disturbance: Current Approaches and Novel Opportunities. *Ecology Letters*, 28(8), e70198. <https://doi.org/10.1111/ele.70198>

Forestry

Houston, S., Liu, J. J., Cruickshank, M., Zamany, A., Leal, I., & Filipescu, C. (2025). Development and application of qPCR assays for screening western redcedar resistance to *Coniferiporia weirii* [Abstract]. Canadian Journal of Plant Pathology, 1–4. British Columbia Regional Meeting, 2024/Réunion régionale de la Colombie-Britannique, 2024. <https://doi.org/10.1080/07060661.2024.2444170>

Houston, S., Liu, J.-J., Cruickshank, M., Zamany, A., Leal, I., & Filipescu, C. (2025). *Understanding wood decay diseases in western redcedar through development of ITS-*

sequencing and qPCR assays (p. 2025.03.18.643970). bioRxiv.
<https://doi.org/10.1101/2025.03.18.643970>

Houston, S., Liu, J.-J., Cruickshank, M., Zamany, A., Leal, I., & Filipescu, C. (2026). Development and Validation of Molecular Assays for Detection of Root- and Butt-Rot Diseases in Western Redcedar. *PhytoFrontiers™*, 6(1), 72–82.
<https://doi.org/10.1094/PHYTOFR-04-25-0042-R>

Liu, J.-J., **Houston, S.**, Cruickshank, M., Zamany, A., Leal, I., & Filipescu, C. (2025). Controlled inoculation provides insight into western redcedar resistance to multiple root- and butt-rot pathogens. *Frontiers in Plant Science*, 16.
<https://doi.org/10.3389/fpls.2025.1669570>

Liu, J.-J., Snieszko, R. A., **Houston, S.**, Alger, G., Krakowski, J., Schoettle, A. W., Sissons, R., Zamany, A., Williams, H., Rancourt, B., & Kegley, A. (2025). A New Threat to Limber Pine (*Pinus flexilis*) Restoration in Alberta and Beyond: First Documentation of a Cronartium ribicola Race (vcr4) Virulent to Cr4-Controlled Major Gene Resistance. *Phytopathology®*, 115(1), 44–53. <https://doi.org/10.1094/PHYTO-04-24-0129-R>

Liu, J.-J., Snieszko, R. A., **Houston, S.**, Krakowski, J., Alger, G., Benowicz, A., Sissons, R., Zamany, A., Williams, H., Kegley, A., & Rancourt, B. (2024). Genome-Wide Association Study Reveals Polygenic Architecture for Limber Pine Quantitative Disease Resistance to White Pine Blister Rust. *Phytopathology®*, 114(7), 1626–1636.

Robson, B., Brown, K. J., Trofymow, J. A., & Roy, R. (2025). Charcoal carbon pools and their persistence in boreal forest soils, Northwest Territories, Canada. *Canadian Journal of Forest Research*, 55, 1–12. <https://doi.org/10.1139/cjfr-2024-0178>
<https://doi.org/10.1094/PHYTO-09-23-0338-R>

Marine and Freshwater Biology:

Attridge, C. M., Cox, K. D., **Maher, B.**, Gross, S., Lim, E. G., Kattler, K. R., & Côté, I. M. (2024). Studying Kelp Forests of Today to Forecast Ecosystems of the Future. *Fisheries*, 49(4), 181–187. <https://doi.org/10.1002/fsh.11065>

Attridge, C. M., Cox, K. D., **Maher, B.**, Lim, E. G., Bickell, A., Juanes, F., & Côté, I. M. (2025). Kelp canopy species and forest structure foster distinct faunal assemblages. *Limnology and Oceanography*, 70(12), 3798–3814. <https://doi.org/10.1002/lno.70254>

Ban, N. C., Miltner, C., Matthews, C., Ankenman, M., Stelte, S., Haggarty, D., **Davies, H. L.**, Venturelli, P. A., & Juanes, F. (2022). Decrease in recreational fisher compliance

during the COVID-19 pandemic: The case of Rockfish Conservation Areas. *ICES Journal of Marine Science*, 79(8), 2277–2285. <https://doi.org/10.1093/icesjms/fsac160>

Castillo, P., **Spriel, B., Maher, B., Tabert, N.**, Rimmer, T., & Juanes, F. (2024). A Field Guide to Fishes of the Salish Sea: Puget Sound and the Straits of Georgia and Juan de Fuca, Washington State and British Columbia T. W. Pietsch and J. W. Orr. Illustrated by J. R. Tomelleri. Published by Chatwin Books. 2023. 372 pages. US\$36.00 (Paperback). *Fisheries*, 49(3), 141–142. <https://doi.org/10.1002/fsh.11053>

Covernton, G. A., Cox, K. D., Fleming, W. L., Buirs, B. M., **Davies, H. L.**, Juanes, F., Dudas, S. E., & Dower, J. F. (2022). Do Larger Microplastics Biomagnify in the Digestive Tracts of Coastal Marine Animals? *The Bulletin of the Ecological Society of America*, 103(3), e02001. <https://doi.org/10.1002/bes2.2001>

Covernton, G. A., Cox, K. D., Fleming, W. L., Buirs, B. M., **Davies, H. L.**, Juanes, F., Dudas, S. E., & Dower, J. F. (2022). Large size (>100-µm) microplastics are not biomagnifying in coastal marine food webs of British Columbia, Canada. *Ecological Applications*, 32(7), e2654. <https://doi.org/10.1002/eap.2654>

Covernton, G. A., **Davies, H. L.**, Cox, K. D., El-Sabaawi, R., Juanes, F., Dudas, S. E., & Dower, J. F. (2021). A Bayesian analysis of the factors determining microplastics ingestion in fishes. *Journal of Hazardous Materials*, 413, 125405. <https://doi.org/10.1016/j.jhazmat.2021.125405>

Cox, K. D., **Davies, H. L.**, Looby, A., Murchy, K. A., Juanes, F., & Côté, I. M. (2025). Habitat-mediated soundscape conservation in marine ecosystems. *Frontiers in Ecology and the Environment*, 23(2), e2824. <https://doi.org/10.1002/fee.2824>

Cox, K. D., **Davies, H. L.**, Millard-Martin, B., Black, M., Hessing-Lewis, M., Smith, N. F., Juanes, F., & Dudas, S. E. (2024). Ancestral and contemporary intertidal mariculture practices support marine biodiversity in the northeast Pacific. *Communications Earth & Environment*, 5(1), 351. <https://doi.org/10.1038/s43247-024-01515-3>

Cox, K. D., **Davies, H. L.**, Millard-Martin, B., Black, M., Hessing-Lewis, M., Smith, N. F., Juanes, F., & Dudas, S. E. (2025). Ancient and contemporary shellfish cultivation practices bolster bivalve communities and diversity-biomass relationships. *People and Nature*, 7(1), 81–98. <https://doi.org/10.1002/pan3.10724>

Cox, K. D., Looby, A., **Davies, H. L.**, Murchy, K. A., **Spriel, B.**, Rice, A. N., Juanes, F., & Côté, I. M. (2024). Military training in the Canadian Pacific: Taking aim at critical habitat or sufficient mitigation of noise pollution impacts? *Marine Policy*, 160, 105945. <https://doi.org/10.1016/j.marpol.2023.105945>

Cox, K. D., Looby, A., Vela, S., Riera, A., Bravo, S., **Davies, H. L.**, Rountree, R., Spriel, B., Reynolds, L. K., Martin, C. W., Matwin, S., & Juanes, F. (2023). FishSounds Version 1.1: Data Archive, User Experience, and Online Resources. In *The Effects of Noise on Aquatic Life* (pp. 1–12). Springer, Cham. https://doi.org/10.1007/978-3-031-10417-6_35-1

Davies, H. L., Cox, K. D., Murchy, K. A., Shafer, H. M., Looby, A., & Juanes, F. (2024). Marine and Freshwater Sounds Impact Invertebrate Behavior and Physiology: A Meta-Analysis. *Global Change Biology*, 30(11), e17593. <https://doi.org/10.1111/gcb.17593>

Davies, H. L., Gross, S., Haggarty, D. R., & Juanes, F. (2022). Conserving Rockfishes: Barotrauma and Descending Devices in the Northeast Pacific. *Fisheries*, 47(9), 406–411. <https://doi.org/10.1002/fsh.10810>

Davies, H. L., Innes, K. G., Ban, N. C., Juanes, F., & Haggarty, D. (accepted 2026). Sink today, swim tomorrow: barotrauma symptoms and effectiveness of descending Pacific rockfishes (*Sebastes* spp.). *Canadian Journal of Fisheries and Aquatic Sciences*.

Davies, H. L., Robb, H., Cox, K. D., Covernton, G. A., Eastham, T. M., Alexander, H. J., & Juanes, F. (2021). A preliminary analysis of ingestion and egestion of microplastic fibres in the acorn barnacle *Balanus glandula*. *Journal of Experimental Marine Biology and Ecology*, 542–543, 151589. <https://doi.org/10.1016/j.jembe.2021.151589>

Davies, H. L., Shafer, H. M., Murchy, K. A., Looby, A., Juanes, F., & Cox, K.D. (2025). Noisy waters: how sounds affect marine invertebrates. *Frontiers for Young Minds*, 13, 1–9. <https://doi.org/10.3389/frym.2025.1537472>

Davies, H. L., Shafer, H. M., Spriel, B., Looby, A., Murchy, K., Vela, S., Juanes, F., & Cox, K. (2026). Fish Sounds and Noise Pollution: Engaging the Public in Bioacoustics. In *The Effects of Noise on Aquatic Life IV* (pp. 1–14). Springer, Cham. https://doi.org/10.1007/978-3-031-94229-7_176-1

Dykman, L. N., Steell, S. C., Bemmels, J. B., Melchers, G. K., **Timmer, B. D.**, Owens, G. L., Neufeld, C. J., & Baum, J. K. (2025). Testing the roles of local adaptation and genetic diversity to improve Giant kelp (*Macrocystis pyrifera*) restoration. *Restoration Ecology*, 33(7), e70114. <https://doi.org/10.1111/rec.70114>

Eger, A., Aguirre, J. D., Altamirano, M., Arafteh-Dalmau, N., Arroyo, N. L., Bauer-Civiello, A. M., Beas-Luna, R., Bekkby, T., Bellgrove, A., Bennett, S., Bernal, B., Blain, C. O., Boada, J., Branigan, S., Bursic, J., Cevallos, B., Choi, C., Connell, S. D., Cornwall, C. E., ... Vergès, A. (2024). The Kelp Forest Challenge: A collaborative global movement to protect and restore 4 million hectares of kelp forests. *Journal of Applied Phycology*, 36(2), 951–964. <https://doi.org/10.1007/s10811-023-03103-y>

Godwin, S. C., Atkinson, E. M., Atkinson, J. B., **Bartlett, M. C.**, Duguid, W. D. P., Trudel, M., & Bateman, A. W. (2026). Contemporary Methods for Capturing Juvenile Salmonids in the Marine Environment. *Fish and Fisheries*, 27, 160–178.

<https://doi.org/10.1111/faf.70039>

Greentree, W. L., Duguid, W. D. P., **Quindazzi, M. J.**, **Maher, B.**, & Juanes, F. (2026). Using the Diet Composition of Adult Chinook Salmon to Understand the Regional Structure of Salish Sea Forage Communities. *Fisheries Oceanography*.

<https://doi.org/10.1111/fog.70038>

Lancaster, D., Mouy, X., Haggarty, D., & Juanes, F. (2025). Knock knock, who's there? Identifying wild species-specific fish sounds with passive acoustic localization and random forest models. *Journal of Fish Biology*. <https://doi.org/10.1111/jfb.70294>

Lancaster, D., Noth, H., Gauthier, S., Edwards, J., Picco, C., Juanes, F., Mouy, X., & Haggarty, D. (2025). Echosounder-derived metrics from small-scale coastal surveys identify benthic rocky reef fish hotspots within the acoustic deadzone. *Canadian Journal of Fisheries and Aquatic Sciences*, 82, 1–16. <https://doi.org/10.1139/cjfas-2024-0413>

Lim, E. G., Attridge, C. M., Cox, K. D., Schuster, J. M., Kattler, K. R., Leedham, E. J., **Maher, B.**, Bickell, A. L., Juanes, F., & Côté, I. M. (2025). Spatial dynamics of animal-mediated nutrients in temperate waters. *Limnology and Oceanography*, 70(12), 3650–3662. <https://doi.org/10.1002/lno.70242>

Looby, A., Bravo, S., Juanes, F., Rountree, R., Riera, A., **Davies, H. L.**, **Spriel, B.**, Vela, S., Reynolds, L. K., Martin, C. W., & Cox, K. (2023). The importance of context in the acoustic behaviors of marine, subtropical fish species. *The Journal of the Acoustical Society of America*, 154(5), 3252–3258. <https://doi.org/10.1121/10.0022412>

Looby, A., Cox, K., Bravo, S., Rountree, R., Juanes, F., Riera, A., Vela, S., Davies, H. L., Reynolds, L. K., & Martin, C. W. (2023). Fish Sound Production Research: Historical Practices and Ongoing Challenges. In *The Effects of Noise on Aquatic Life* (pp. 1–20). Springer, Cham. https://doi.org/10.1007/978-3-031-10417-6_92-1

Looby, A., Erbe, C., Bravo, S., Cox, K., **Davies, H. L.**, Di Iorio, L., Jézéquel, Y., Juanes, F., Martin, C. W., Mooney, T. A., Radford, C., Reynolds, L. K., Rice, A. N., Riera, A., Rountree, R., **Spriel, B.**, Stanley, J., Vela, S., & Parsons, M. J. G. (2023). Global inventory of species categorized by known underwater sonifery. *Scientific Data*, 10(1), 892. <https://doi.org/10.1038/s41597-023-02745-4>

Looby, A., Vela, S., Cox, K., Riera, A., Bravo, S., **Davies, H. L.**, Rountree, R., Reynolds, L. K., Martin, C. W., Matwin, S., & Juanes, F. (2023). FishSounds Version 1.0: A website

for the compilation of fish sound production information and recordings. *Ecological Informatics*, 74, 101953. <https://doi.org/10.1016/j.ecoinf.2022.101953>

McHenry, J., Okamoto, D. K., Filbee-Dexter, K., Krumhansl, K. A., MacGregor, K. A., Hessing-Lewis, M., **Timmer, B.**, Archambault, P., Attridge, C. M., Cottier, D., Costa, M., Csordas, M., Johnson, L. E., Lessard, J., Mora-Soto, A., Metaxas, A., Neufeld, C. K., Pontier, O., Reshitnyk, L., ... Baum, J. K. (2025). A blueprint for national assessments of the blue carbon capacity of kelp forests applied to Canada's coastline. *Npj Ocean Sustainability*, 4(1), 30. <https://doi.org/10.1038/s44183-025-00125-6>

Muir, K., Hobson, E., Zhang, T., **Davies, H. L.**, White, M. A. V., **Rimmer, T.**, & Juanes, F. (2025). Sing like fish: How sound rules life under water. *Fisheries*, 50(3), 128–129. <https://doi.org/10.1093/fshmag/vuaf009>

Noël, M., Loseto L.L., Colbourne K., **Bartlett, M.**, Bokvist, J., and Brown, T.M. 2025. Contaminant concentrations in juvenile Chinook salmon (*Oncorhynchus tshawytscha*) collected from the West Coast of Vancouver Island, BC, in 2022. 2025. Canadian Technical Report of Fisheries and Aquatic Sciences 3655.

Rosen, S., Bianucci, L., Jackson, J. M., Hare, A., Greengrove, C., Monks, R., **Bartlett, M.**, & Dick, J. (2022). Seasonal near-surface hypoxia in a temperate fjord in Clayoquot Sound, British Columbia. *Frontiers in Marine Science*, 9. <https://doi.org/10.3389/fmars.2022.1000041>

Rozanski, S. R., May, E. M., & El-Sabaawi, R. W. (2025). Investigating Stoichiometric Controls of Nutrient Recycling in Rivers Using the Threespine Stickleback (*Gasterosteus aculeatus*). *Ecology and Evolution*, 15(9), e71920. <https://doi.org/10.1002/ece3.71920>

Spriel, B., **Davies, H. L.**, Looby, A., Shafer, H., Vela, S., Juanes, F., & Cox, K. D. (2024). Fish Sounds as an Effective Tool in Marine Science Communication. *Fisheries*, 49(1), 28–34. <https://doi.org/10.1002/fsh.11022>

Starko, S., Neufeld, C. J., Gendall, L., **Timmer, B.**, Campbell, L., Yakimishyn, J., Druehl, L., & Baum, J. K. (2022). Microclimate predicts kelp forest extinction in the face of direct and indirect marine heatwave effects. *Ecological Applications*, 32(7), e2673. <https://doi.org/10.1002/eap.2673>

Starko, S., **Timmer, B.**, Reshitnyk, L., Csordas, M., McHenry, J., Schroeder, S., Hessing-Lewis, M., Costa, M., Zielinski, A., Zielinski, R., Cook, S., Underhill, R., Boyer, L., Fretwell, C., Yakimishyn, J., Heath, W., Gruman, C., Hingmire, D., Baum, J., & Neufeld, C. (2024). Local and regional variation in kelp loss and stability across coastal British Columbia. *Marine Ecology Progress Series*, 733, 1–26. <https://doi.org/10.3354/meps14548>

Starko, S., Epstein, G., Chalifour, L., Bruce, K., Buzzoni, D., Csordas, M., Dimoff, S., Hansen, R., Maucieri, D. G., & McHenry, J. (2025). Ecological Responses to Extreme Climatic Events: A Systematic Review of the 2014–2016 Northeast Pacific Marine Heatwave. In *Oceanography and Marine Biology*. CRC Press.

Tabert, N., Duchscher, K., Duguid, W., Greentree, W., Maher, B., & Juanes, F. 2024. Adult salmon diet monitoring 2017-2023. In Boldt, J.L., Joyce E., Tucker, S., Gauthier, S., and Dosser, H. (Eds). State of the physical, biological and selected fishery resources of Pacific Canadian marine ecosystems in 2023. Fisheries and Oceans Canada. Canadian Technical Report of Fisheries and Aquatic Sciences 3598.

Tabert, N., Duchscher, K., Duguid, W., Greentree, W., Maher, B., & Juanes, F. 2025. Adult Chinook salmon diets as indicators of prey species distribution and availability. Boldt JL, Joyce E, Tucker S, Gauthier S, Jackson JM. 2025. State of the Physical, Biological and Selected Fishery Resources of Pacific Canadian Marine Ecosystems in 2024. Fisheries and Oceans Canada. Canadian Technical Report of Fisheries and Aquatic Sciences 3687.

Tabert, N., Rive, C., Timmer, B., Cox, K. D., Fleury, A. G., & Juanes, F. (2025). Stable isotope analysis reveals habitat-mediated variability in the ecology of Pacific hagfish *Eptatretus stoutii*. *Canadian Journal of Zoology*, 103, 1–7. <https://doi.org/10.1139/cjz-2024-0196>

Timmer, B., Reshitnyk, L. Y., Hessing-Lewis, M., Juanes, F., & Costa, M. (2022). Comparing the Use of Red-Edge and Near-Infrared Wavelength Ranges for Detecting Submerged Kelp Canopy. *Remote Sensing*, 14(9). <https://doi.org/10.3390/rs14092241>

Timmer, B., Reshitnyk, L. Y., Hessing-Lewis, M., Juanes, F., Gendall, L., & Costa, M. (2024). Capturing accurate kelp canopy extent: Integrating tides, currents, and species-level morphology in kelp remote sensing. *Frontiers in Environmental Science*, 12. <https://doi.org/10.3389/fenvs.2024.1338483>

Vela, S., Looby, A., **Spriel, B.**, **Davies, H.**, Murchy, K., & Cox, K. (2024). Designing Cyberinfrastructure for Knowledge Sharing: A Bioacoustics Case Study. *The Open/Technology in Education, Society, and Scholarship Association Journal*, 4(3), 1–13. <https://doi.org/10.18357/otessaj.2024.4.3.72>

Conference Proceedings:

Giebelhaus, R. T., Ali, M., Kaur, K., Danesh, S. S., Brown, P., **McNiven, M.**, Loock, H-P. (2026). *Metabolomics and spectroscopy to study adulteration in kratom products*. Canadian Societies for Chemistry and Chemical Engineering 2026 Conferences and Exhibition, Toronto, ON, Canada.

Karmani, M., & Templeman, N. M. (2024). The Impact of Glucose on *Caenorhabditis elegans* oocytes [Poster]. Canadian Society for Molecular Biosciences (CSMB) Annual Meeting, Winnipeg, Manitoba, Canada.

Kecheliev, V., Kaban, T., Farhoomand F., & Delaney, K.R. (2025). Persistent cortical sensory adaptation following repetitive stimulation of the hindlimb somatosensory circuitry [Poster]. Canadian Association for Neuroscience (CAN) Conference, Toronto, Canada.

Liu, M., Hirabayashi, K., Ostevik, K. L., Todesco, M., & Owens, G. L. (2025, June 11). A population genetics approach to resolving disjunct populations of *Lupinus microcarpus*. Canadian Botanical Association Conference.

McNiven, M., Abbey, E., Loock, H-P., Ehlting, J. (2025). *Applications of fluorescence imaging systems in biological samples* [Poster]. Canadian Chemistry Conference and Exhibition, Ottawa, ON, Canada.

McNiven, M., Abbey, E., Ehlting, J., Loock, H-P. (2025). *Hyperspectral fluorescence imaging systems for biological component analysis* [Poster]. Canadian Society of Plant Biologists Annual General Meeting, Halifax, NS, Canada.

McNiven, M., Loock, H-P., Ehlting, J. (2026). *Glowing AND growing: Hyperspectral fluorescence imaging of biological samples* [Poster]. Canadian Societies for Chemistry and Chemical Engineering 2026 Conferences and Exhibition, Toronto, ON, Canada.

McNiven, M., Tamburri, N., MacDonald, S. (2024). *Improving physiology to foster healthy cognitive aging: Exploring the impacts of a community-based walking intervention* [Poster]. Northwest Cognition and Memory Annual Conference, Victoria, BC, Canada.

McNiven, M., Tamburri, N., MacDonald, S. (2024). *Promoting healthy cognitive aging through lifestyle interventions* [Poster]. Canadian Association on Gerontology, Edmonton, AB, Canada

Ecology:

Rastello, K. (2025). Forecasting mountain pine beetle infestations with multi-paradigm models [Poster]. Society of Mathematical Biology (SMB) Annual Meeting, University of Alberta, Edmonton, Canada.

Forestry:

Houston, S. (2023). Susceptibility of western redcedar to root and butt rot diseases as assessed by MiSeq and qPCR technologies [Poster]. Canadian Society of Plant Biologists Western Region & UVic Forest Biology Symposium, Victoria, Canada.

Houston, S. (2023). Quantitative evaluation of root and butt rot diseases in western redcedar by MiSeq and qPCR technologies [Poster]. Canadian Phytopathological Society B.C. Regional Meeting, Victoria, Canada.

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