

Tuesday/Mardi, May/Mai 7

8:30-10:30

Toxicology 1

Location/Lieu: **Shediac A**

Chair/Animé par: **Ken Jeffries** (University of Manitoba)

8:30-8:45	Sensitivity of brown flatworms (<i>Dugesia dorotocephala</i>) to the lampricide TFM <u>Zaidlik, M.</u> , Sivarajah, R., Nunoo, R., Birceanu, O. <i>Department of Physiology and Pharmacology, Schulich School of Medicine and Dentistry, University of Western Ontario, London, ON, Canada</i>
8:45-9:00	Multigenerational toxicity and metabolomics of lead from fishing gear to the freshwater snail, <i>Planorbella pilsbryi</i> <u>St-Hilaire, S.</u> ^{1,2} , Gilroy, É. ² , Tétreault, G. ² , Frank, R. ² , McNabney, D. ² , Ravary, S. ² , Kim, J. ² , Leonard, E. M. ¹ ¹ <i>Department of Biology, Wilfrid Laurier University, Waterloo, ON, Canada;</i> ² <i>Aquatic Contaminants Research Division, Environment and Climate Change Canada, Burlington, ON, Canada</i>
9:00-9:15	Use of a juvenile mummichog (<i>Fundulus heteroclitus</i>) bioassay to assess the effects of ammonia exposure on fish growth and the GH-IGF1 pathway <u>Kuntyj, O.</u> , Lister, A., MacLatchy, D. <i>Department of Biology and Canadian Rivers Institute, Wilfrid Laurier University, Waterloo, Ontario, Canada</i>
9:15-9:30	It doesn't pay to have a big mouth: how microplastic ingestion scales with insect body size <u>Ritchie, M.W.</u> , Provencher, J.F., MacMillan, H.A. <i>Department of Biology, Carleton University, Ottawa, ON, Canada</i>
9:30-9:45	Climate change and urban growth are contributing to increased contaminant impacts on Arctic marine invertebrates <u>Jeffries, K.M.</u> <i>Department of Biological Sciences, University of Manitoba, Winnipeg, Canada</i>
9:45-10:00	CRISPR-Cas9 Knockout of Divalent Metal Transporter and its Implications for Metal Homeostasis in Zebrafish <u>Chandrapalan, T.</u> ¹ , Kwong, R. W. M. ¹ ¹ <i>Department of Biology, York University, Toronto, Canada</i>
10:00-10:15	Neural Regeneration of Zebrafish in Response to Neurotoxin-Induced Degradation of Dopaminergic Neurons <u>Nhi, TMN</u> , Raymond, RWM <i>Biology Department, Science Faculty, York University, ON, Canada</i>
10:15-10:30	Interactive effects of hypoxia-reoxygenation and trace metals mixtures on heart mitochondrial bioenergetics during fatty acid and pyruvate oxidation <u>Pius Tetteh</u> ¹ , Zahra Kalvani ¹ , Don Stevens ¹ , Ravinder Sappal ^{1,2} and Collins Kamunde ¹ ¹ <i>Department of Biomedical Sciences, Atlantic Veterinary College, University of Prince Edward Island, PE, Canada;</i> ² <i>Department of Veterinary Biomedical Sciences, College of Veterinary Medicine, Long Island University, New York, USA</i>