

Tuesday/Mardi, May/Mai 7

15:00-17:00

Osmoregulation

Location/Lieu: **Shediac B**

Chair/Animé par: **Alex Zimmer** (University of New Brunswick)

15:00-15:15	The interactive effects of Copper and Phenanthrene on ionoregulation in mummichog Senathirajah, E ¹ , Zimmer, A ¹ , Philibert, D ² , De Jourdan B ² , and Cremazy, A ³ <i>¹Department of Biological Science, University of New Brunswick, New Brunswick, Canada; ²Huntsman Marine Science Center, New Brunswick, Canada; ³Institut national de la recherche scientifique, Québec City, Québec</i>
15:15-15:30	Exploring the role of tachykinins on fluid and ion transport by the excretory system of <i>Drosophila melanogaster</i> Agard, M. ¹ , Zandawala, M. ² , Donini, A. ¹ , Paluzzi, J.P. ¹ <i>¹Department of Biology, York University Toronto, ON, Canada; ²Department of Biochemistry and Molecular Biology, University of Nevada, Reno, NV, USA</i>
15:30-15:45	Effects of salinity exposure and broad-range antibiotic treatment on oxalate production, transport, degradation, and handling in <i>Poecilia latipinna</i> Rajan, F.V., Bucking, C. <i>Department of Biology, York University, Toronto, ON, Canada</i>
15:45-16:00	Effects of food limitation on ocean acidification tolerance in Chum salmon Andrea Y. Frommel ¹ , Virginie Chalifoux ¹ , Arash Akbarzadeh ² , Tobi Ming ² , Kristi Miller ² , Brenna Collicutt ³ , Kate Rolheiser ³ , Colin J. Brauner ¹ , Brian P. V. Hunt ^{1,3} <i>¹ University of British Columbia; ² Department of Fisheries and Oceans Canada; ³Hakai Institute</i>
16:00-16:15	Do white sturgeon smolt? Assessing physiological and molecular mechanisms associated with salinity preparedness. Nowlan, J. ^{1,2} , Margarethe, M. ^{1,3} , Russell, S. ^{1,3} , and Baker, D. ³ <i>¹Centre for Innovation in Fish Health, Vancouver Island University, B.C., Canada; ²Department of Pathobiology, University of Guelph, O.N., Canada; ³Department of Fisheries and Aquaculture, Faculty of Science and Technology, Vancouver Island University</i>
16:15-16:30	Alterations in transepithelial potential following exposure of fish to differentially degraded microplastics suggests even brief pulse exposures to plastics has ionoregulatory consequences Zink, L., Morris, C., Wood, C.M. <i>Department of Zoology, University of British Columbia, BC, Canada</i>
16:30-16:45	The acute osmoregulatory effects of copper on the Amazonian fish, <i>Apistogramma agassizii</i>, in black and white waters at circumneutral and acidic pH. Carolyn Morris ¹ , Anne Crémazy ² , Jhonatan Mota ³ , Ora E. Johannsson ¹ , Colin J. Brauner ¹ , Chris M. Wood and Adalberto Luis Val ³ <i>¹University of British Columbia, Vancouver, Canada; ²Institut National de la Recherche Scientifique, Quebec City, Canada; ³Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil</i>
16:45-17:00	Effects of fluctuating and static ocean acidification on the behaviour and physiology of coastal crabs. Khodikian, E., Porteus, C.S. <i>Department of Biological Sciences, University of Toronto, Scarborough, ON, Canada</i>