

Tuesday/Mardi, May/Mai 7

8:30-10:30

CMDB 1

Location/Lieu: **Shediac B**

Chair/Animé par: **Robert Cieri** (University of British Columbia)

8:30-8:45	Exploring the Social Brain: Uncovering the Genetic Mechanisms Regulating the Expression of the Social Neuropeptide, Pth2 <u>Butland, S.</u> , Erickson, T. <i>Department of Biology, University of New Brunswick, NB, Canada</i>
8:45-9:00	Osteohistology accurately estimates growth in the lion (<i>Panthera leo</i>) <u>Reynolds, A.R.</u> ^{1,2} , Evans, D.C. ^{3,4} ¹ <i>Palaeobiology, Canadian Museum of Nature, Gatineau, QC, Canada;</i> ² <i>Department of Biology, University of Ottawa, Ottawa, ON, Canada;</i> ³ <i>Vertebrate Palaeontology, Royal Ontario Museum, Toronto, ON, Canada;</i> ⁴ <i>Department of Ecology and Evolutionary Biology, University of Toronto, Toronto, ON, Canada</i>
9:00-9:15	Ecomechanics in contemporary evolution: a case study in Threespine Stickleback (<i>Gasterosteus aculeatus</i> L.) Kozak, A. M. ¹ , Chung, M. ¹ , Lucas, K. N. ² , Rogers, S. M. ² , Jamniczky, H. A. ¹ ¹ <i>Cumming School of Medicine, University of Calgary, Calgary, Canada;</i> ² <i>Department of Biological Sciences, University of Calgary, Calgary, Canada</i>
9:15-9:30	Gustation in the sea lamprey. <u>Zielinski, B.S.</u> , Aurangzeb, Z., Grande G., Polat, H., Zhang, H., Daghfous, G., Dubuc, R. <i>Dept. of Integrative Biology, University of Windsor; Département des Sciences de l'Activité Physique, Université du Québec à Montréal</i>
9:30-9:45	Simple physical models of chimaera pectoral fins swim like a bluegill sunfish Kennedy, D. ¹ , Wong, J.G. ² , and <u>Lucas, K.N.</u> ¹ ¹ <i>Biological Sciences, University of Calgary, Calgary, AB, Canada;</i> ² <i>Mechanical Engineering, University of Alberta, Edmonton, AB, Canada</i>
9:45-10:00	Investigation of two different PACAP-38 (Pituitary Adenylate Cyclase-Activating Polypeptide) formulated feeds on Atlantic salmon (<i>Salmo salar</i>) with Enteric Red mouth disease (<i>Yersinia ruckeri</i>) <u>Fajei E</u> ¹ , Whyte SK ¹ , Rivera L ² , Velazquez J ³ , Dantagnan P ⁴ , Soto Davila M ¹ , Rodríguez-Ramos T ² , Dixon, B ² , Carpio Y ³ , Estrada M ³ , Fast MD ¹ ¹ <i>Department of Pathology and Microbiology, Atlantic Veterinary College, University of Prince Edward Island, Charlottetown, PEI;</i> ² <i>University of Waterloo, Waterloo, ON;</i> ³ <i>Veterinary Immunology Project, Animal Biotechnology Division, Center for Genetic Engineering and Biotechnology, Havana, Cuba;</i> ⁴ <i>Department of Agricultural Sciences and Aquaculture, Faculty of Natural Resources, Catholic University of Temuco, Temuco, Chile</i>
10:00-10:15	Piezo1-mediated detection of mechanical force regulates post-translational activation of matrix metalloproteinase-2 in growing zebrafish embryos <u>Hickey, J. E.</u> and Crawford, B. D. <i>Department of Biology, University of New Brunswick, Fredericton, NB, Canada</i>
10:15-10:30	Comparative phylogenetics of early ray-finned fishes <u>Miyashita, T.</u> <i>Palaeobiology Section, Canadian Museum of Nature, Ottawa, Canada</i>