

# **Thursday/Jeudi, May/Mai 9**

**8:30-10:30**

## **Molecular and physiological thermal responses**

Location/Lieu: **Ballroom A and B**

Chair/Animé par : **Analisa Lazaro-Côté** (University of Manitoba)

8:30-8:45	<b>Osmorespiratory Compromise in Triploid Rainbow Trout (<i>Oncorhynchus mykiss</i>)</b> <u>Concannon, A. V.</u> <sup>1</sup> , Garber, A. F. <sup>2</sup> , Robertson, W. D. <sup>3</sup> Benfey, T. J. <sup>1</sup> <sup>1</sup> <i>Department of Biology, University of New Brunswick, Fredericton, Canada;</i> <sup>2</sup> <i>Huntsman Marine Science Centre, St. Andrew's, Canada;</i> <sup>3</sup> <i>Ocean Trout Canada, Bedford, Canada</i>
8:45-9:00	<b>A coastal fish can be vulnerable to the intensification of heat waves with ocean acidification.</b> <u>Gwangseok R. Yoon</u> , Gary J. Ren, Elissa Khodikian and Cosima S. Porteus <i>Department of Biological Sciences, University of Toronto Scarborough</i>
9:00-9:15	<b>Interactive effects of elevated temperature and venlafaxine on mitochondrial respiration and enzyme capacity in Nile tilapia (<i>Oreochromis niloticus</i>)</b> <u>Borowiec, B.G.</u> <sup>1</sup> , Robichaud, K.B. <sup>1</sup> , Craig, P.M. <sup>1</sup> <i>Department of Biology, University of Waterloo, Waterloo, ON, Canada</i>
9:15-9:30	<b>Inter-individual variation and repeatability of critical thermal maximum (CT<sub>max</sub>) across acclimation temperatures in killifish</b> Rost-Komiya, B., <u>Schulte, P.M.</u> <i>Department of Zoology, University of British Columbia, BC, Canada</i>
9:30-9:45	<b>Does early life freshwater tolerance or adult tolerance of combined stressors limit freshwater colonization in stickleback fishes?</b> <u>Young-Veenstra, S.J.</u> , Dalziel, A.C. <i>Biology Department, Saint Mary's University</i>
9:45-10:00	<b>You're hot then you're cold: Early life exposure to diel thermal variation alters microRNA expression and performance in zebrafish.</b> <u>Gavarikar, S. M.</u> <sup>1</sup> , Craig, P. M. <sup>1</sup> <sup>1</sup> <i>Department of Biology, University of Waterloo, Waterloo, Canada.</i>
10:00-10:15	<b>Characterizing behavioral and physiological changes in fish with changing thermal regimes</b> <u>Hajji, A.L.</u> <sup>1</sup> , Rogers, S.M. <sup>1</sup> , Lucas, K.N. <sup>1</sup> <sup>1</sup> <i>Biological Sciences, University of Calgary, Calgary, AB, Canada</i>
10:15-10:30	<b>Testing traditions: Validating mitochondrial density markers in ectothermic species</b> <u>Aminot, M.</u> <sup>1</sup> , Lamarre, S.G. <sup>2</sup> , Pichaud, N. <sup>1</sup> <sup>1</sup> <i>Département de chimie et biochimie, Université de Moncton, Moncton, NB, Canada;</i> <sup>2</sup> <i>Département de biologie, Université de Moncton, Moncton, Canada</i>