

Tuesday/Mardi, May/Mai 7

15:00-17:00

Thermal physiology of fish 1

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

Chair/Animé par: **Loïc Teulier** (Université Lyon 1)

15:00-15:15	The cortisol response to acute temperature stress in rainbow trout (<i>Oncorhynchus mykiss</i>) Gilmour, K.M. ¹ , Bard, B. ¹ , Cooke, S.J. ² ¹ Department of Biology, University of Ottawa, Ottawa, ON, Canada; ² Department of Biology, Carleton University, Ottawa, ON, Canada
15:15-15:30	Mitochondrial functions and fatty acid profiles in fish heart: an insight into physiological limitations linked with thermal tolerance and age. Simon Chouinard-Boisvert ¹ , Léopold Ghinter ^{1,2} , Amélie St-Pierre ¹ , Mathieu Mortz ¹ , Véronique Desrosiers ¹ , France Dufresne ¹ , Jean-Claude Tardif ³ , Johnny Huard ⁴ , Pascal Sirois ⁵ , Samuel Fortin ¹ , Pierre U. Blier ¹ ¹ Department of Biology, University of Quebec at Rimouski, Rimouski, Quebec, Canada; ² Department of Biology of Exploited Marine Species, French Research Institute for Exploitation of the Sea (IFREMER), Plouzané, Brittany, France; ³ Research center of the Montreal Heart Institute, Montreal Health Innovations Coordinating Center, Montreal, Quebec, Canada; ⁴ Center for Regenerative Sports Medicine at the Steadman Philippon Research Institute (SPRI), Vail, Colorado, USA; ⁵ Department of Fundamental Sciences, University of Quebec at Chicoutimi, Chicoutimi, Quebec, Canada
15:30-15:45	Transcriptomic response to acute thermal stress in developing lake sturgeon. Haghighi, H. ¹ , Bugg, W. S. ² , Madden, K. ³ , Bernier, N. J. ³ , Jeffries, K. M. ¹ ¹ Department of Biological Science, University of Manitoba, Winnipeg, Canada; ² Department of Forest and Conservation, University of British Columbia, Canada; ³ Department of Integrative Biology, University of Guelph, Guelph, Canada
15:45-16:00	Characterization of darter (<i>Etheostoma</i> spp.) interspecific energetic responses to climate-induced temperature change Weber, A. V. ¹ , Craig, P. M. ¹ ¹ Department of Biology, University of Waterloo, Waterloo, ON, Canada
16:00-16:15	Embryonic Thermal Stress and its Effect on the Stress Response during Embryogenesis and Early Life Stages in Yellow Perch (<i>Perca flavescens</i>) Hartenstein, P.D. ¹ , Fraz, S. ² , Thompson, W A. ² , Laframboise, L. ² , Wilson, J. Y. ² , Somers, C. ¹ , Manzon, R. G. ¹ ¹ Department of Biology, University of Regina, Regina, Canada; ² Department of Biology, McMaster University, Hamilton, Canada
16:15-16:30	Elevated and variable thermal environments during embryogenesis lead to more notable plastic responses in Lake Whitefish than in Yellow perch. Manzon, R.G. Department of Biology, University of Regina, Regina, SK, Canada
16:30-16:45	Transcriptional responses as early indicators of thermal stress in bull trout (<i>Salvelinus confluentus</i>) Lazaro-Côté, A. ¹ , Durhack, T. C. ² , Chapelsky, A. J. ² , Jeffries, K. M. ¹ , Mochnacz, N. J. ² ¹ Department of Biological Sciences, University of Manitoba, Winnipeg, MB, Canada; ² Fisheries and Oceans Canada, Freshwater Institute, Winnipeg, MB, Canada
16:45-17:00	Investigating Mechanisms of Thermal Stress Recovery in Lake Sturgeon (<i>Acipenser fulvescens</i>) Thorstensen, M. T. ¹ , Edwards, T. ¹ , Weinrauch, A. M. ¹ , Bouyoucos, I. A. ^{1,2} , Lazaro-Côté, A. ¹ , Schulte, P. M. ² , Treberg, J. R. ¹ , Jeffries, K. M. ¹ , Anderson, W. G. A. ¹ ¹ Department of Biological Sciences, University of Manitoba, Winnipeg, Canada; ² Department of Zoology, University of British Columbia, Vancouver, Canada