

Thursday/Jeudi, May/Mai 9

14:00-15:30

Mitochondria

Location/Lieu: **Shediac B**

Chair/Animé par: **Fouzia Hader** (Carleton University)

13:30-13:45	
13:45-14:00	
14:00-14:15	Mitochondrial microRNAs differ during hibernation in thirteen-lined ground squirrels (<i>Ictidomys tridecemlineatus</i>) <u>Robichaud, K.</u> ¹ , Duffy, B. ² , Staples, J. F. ² , and Craig, P. M. ¹ ¹ Department of Biology, University of Waterloo, Waterloo, Ontario, Canada; ² Department of Biology, University of Western Ontario, London, Ontario, Canada
14:15-14:30	Cellular and Mitochondrial Response to Fluctuating Thermal Stress in <i>Drosophila melanogaster</i> <u>Hunter-Manseau, F.</u> ^{1,2} , Cormier, J. ^{1,2} and Pichaud, N. ^{1,2} ¹ Department of Chemistry and Biochemistry, Université de Moncton, Moncton, NB, Canada; ² New Brunswick Centre for Precision Medicine, Moncton
14:30-14:45	Long live the king: exploring the metabolomic signature of extreme longevities in bivalves. <u>Bertrand P.</u> ¹ , Lemieux, H. ^{2,3} , Derosiers, V. ¹ , Blier P.U. ¹ ¹ Department of Biologie, Université du Québec à Rimouski, Rimouski, Qc, Canada; ² Faculty Saint-Jean, University of Alberta, Edmonton, AB, Canada; ³ Department of Medicine, University of Alberta, Edmonton, AB, Canada
14:45-15:00	Plasticity of mitochondrial coupling efficiency: the last chance to survive in adverse environment? <u>Roussel, D.</u> ¹ , Thoral, E. ² , Voituron, Y. ¹ , Teulier, L. ¹ ¹ Université Claude Bernard Lyon 1 , CNRS, ENTPE, UMR5023 , LEHNA, Villeurbanne, France; ² Lund University, Department of Biology, Lund, Sweden
15:00-15:15	ROS in Hibernation: Dynamics and Implications <u>Duffy, B. M.</u> , Staples, J. F. Department of Biology, Western University, London, ON, Canada
15:15-15:30	Investigating a link between hydrogen sulfide biogenesis and aging in vertebrates using evolutionary analysis and molecular dockings <u>Gary J Ren</u> , Frances Hauser, Nathan Lovejoy, Cosima Porteus Deaprtment of Cell and System Biology, University of Toronto