

# Thursday/Jeudi, May/Mai 9

8:30-10:30

CMDB2

Location/Lieu: **Shediac B**

Chair/Animé par: **Kevin Duclos** (University of Calgary)

8:30-8:45	<b>Walking on sand: Kinematic and behavioural response to sand fouling in the purple sea urchin</b> <u>Lutek, K.</u> <sup>1</sup> , Drummond, M.S. <sup>1</sup> , Baker, Z. <sup>1</sup> , Stark, A.Y. <sup>1</sup> <sup>1</sup> <i>Department of Biology, Villanova University, Villanova, PA, USA</i>
8:45-9:00	<b>Neural specification in partial embryos of the annelids <i>Capitella teleta</i> and <i>Platynereis dumerilii</i></b> <u>Webster, N.B.</u> <sup>1</sup> , Carrillo Baltodano, A. <sup>2</sup> , Davila Sandoval, J. <sup>3</sup> , Özpolat, B.D. <sup>4</sup> , Meyer, N.P. <sup>3</sup> <sup>1</sup> <i>Department of Biology, University of Saskatchewan, Saskatoon, Canada</i> ; <sup>2</sup> <i>School of Biological and Behavioural Sciences, Queen Mary University of London, London, UK</i> ; <sup>3</sup> <i>Department of Biology, Clark University, Worcester, USA</i> ; <sup>4</sup> <i>Department of Biology, Washington University, St. Louis, USA</i>
9:00-9:15	<b>The effect of developmental phenotypic plasticity on morphological and metabolic traits associated with flight in the hawk moth, <i>Manduca sexta</i></b> <u>Facina, E.</u> <sup>1</sup> , Darveau, C.-A. <sup>1</sup> <sup>1</sup> <i>Department of Biology, University of Ottawa, Ottawa, Canada</i>
9:15-9:30	<b>How spider bodies set the communication frequency</b> Reese Gartly <sup>1</sup> , Lachlan Fisher <sup>1</sup> , Mouad Elganga <sup>1</sup> , Benjamin D. Rubin <sup>1</sup> , Andrew Mason <sup>2</sup> , and <u>Natasha Mhatre</u> <sup>1</sup> <sup>1</sup> <i>University of Western Ontario, Department of Biology, London, Ontario, Canada</i> ; <sup>2</sup> <i>University of Toronto at Scarborough, Department of Biology, Scarborough, Ontario, Canada</i>
9:30-9:45	<b>Evolution of sensory systems: extreme adaptation to low food by deep sea glass sponges</b> Matveev, E. <sup>1</sup> , Kahn, A.S. <sup>1,2</sup> , Eerkes-Medrano, D. <sup>1,3</sup> , Ludeman, D.A. <sup>1</sup> , Aragonés Suárez, P. <sup>1</sup> , Yahel, G. <sup>4</sup> , <u>Leys, S.P.</u> <sup>1</sup> <sup>1</sup> <i>Department of Biological Sciences, University of Alberta, Edmonton, AB, Canada</i> ; <sup>2</sup> <i>Moss Landing Marine Laboratories, San Jose State University, CA, USA</i> ; <sup>3</sup> <i>Ecology and Conservation Group, Marine Scotland Science, Aberdeen, Scotland</i> ; <sup>4</sup> <i>Faculty of Marine Science, Ruppin Academic Center, Israel</i>
9:45-10:00	<b>Neuroanatomy of the biogenic amines octopamine and norepinephrine in the central nervous systems of freshwater pulmonate snails</b> <u>Wyeth, R.C.</u> <sup>1</sup> , Imai, J. <sup>2</sup> , Tweedie-Pitre, V. <sup>1</sup> , Beach, G. <sup>2</sup> , Reunova, Y. <sup>1</sup> , Croll, R.P. <sup>2</sup> <sup>1</sup> <i>St. Francis Xavier University</i> ; <sup>2</sup> <i>Dalhousie University</i>
10:00-10:15	<b>More Than a Feeling: The importance of sensorimotor experience in postembryonic brain development</b> <u>Hall, Z.J.</u> , Tropepe, V. <i>Department of Biological Sciences, University of Alberta, Edmonton, Alberta, Canada</i> ; <i>Department of Cell &amp; Systems Biology, University of Toronto, Toronto, Ontario, Canada</i>
10:15-10:30	<b>Always a bigger fish: Developmental mechanisms and phenotypic divergence of a giant threespine stickleback population</b> <u>Perry, S.</u> <sup>1</sup> , Duclos, K. <sup>2</sup> , Jamniczky, H. <sup>2</sup> <sup>1</sup> <i>Department of Biological Sciences, University of Calgary, Calgary, AB, Canada</i> ; <sup>2</sup> <i>Cumming School of Medicine, University of Calgary, Calgary, AB, Canada</i>