

# Tuesday/Mardi, May/Mai 7

8:30-10:30

## Ecology 1

Location/Lieu: **Shediac C**

Chair/Animé par: **Ken Lukowiak** (University of Calgary)

8:30-8:45	<b>Pond-side learning is no different than lab-learning</b> <u>Lukowiak, K.</u> , and Hollings J. <i>Hotchkiss Brain Institute, Cumming School of Medicine, University of Calgary</i>
8:45-9:00	<b>Subhabitat usage by juvenile fish and the overall fish community in two New Brunswick salt marshes</b> <u>Reyes Guevara, A.</u> , Barbeau, M.B., Endresz, K.C., and Linihan, J.T. <i><sup>1</sup>Department of Biology, University of New Brunswick, Fredericton, NB, Canada</i>
9:00-9:15	<b>Applications and limitations of environmental nucleic acids in salmonid distribution and population health</b> <u>Misutka, M.D.</u> <sup>1</sup> , Glover, C.N. <sup>1,2</sup> , Goss, G.G. <sup>1</sup> , Veilleux, H.D. <sup>3</sup> <i><sup>1</sup>Department of Biological Sciences, University of Alberta, Edmonton, Alberta, Canada; <sup>2</sup>Faculty of Science and Technology and Athabasca River Basin Research Institute, Athabasca University, Athabasca, Alberta, Canada; <sup>3</sup>Present address: Ecometrix Incorporated, Mississauga, Ontario, Canada</i>
9:15-9:30	<b>Effects of severe weather on staging juvenile semipalmated plovers: evidence of disrupted refueling and delayed departures in the Western Atlantic Flyway</b> <u>Sophia M. Fraser</u> <sup>1</sup> , Hilary A.R. Mann <sup>2</sup> , Julie Paquet <sup>3</sup> , Devin R. de Zwaan <sup>1,2</sup> , Diana J. Hamilton <sup>1</sup> <i><sup>1</sup>Department of Biology, Mount Allison University, Sackville, New Brunswick, Canada; <sup>2</sup>Department of Biology, Acadia University, Wolfville, Nova Scotia, Canada; <sup>3</sup>Canadian Wildlife Service, Environment and Climate Change Canada, Sackville, NB, Canada</i>
9:30-9:45	<b>Can Corticosterone Predict Double Brooding in Savannah Sparrows (<i>Passerculus Sandwichensis</i>)?</b> <u>Hayley A. Spina</u> <sup>1</sup> , D. Ryan Norris <sup>1</sup> , Linda Nong <sup>1</sup> , Sarah L. Dobney <sup>2</sup> , Sarah Mueller <sup>1</sup> , Stéphanie M. Doucet <sup>2</sup> , Daniel Mennill <sup>2</sup> , Amy E.M. Newman <sup>1</sup> <i><sup>1</sup>Department of Integrative Biology, University of Guelph, Guelph, Ontario Canada; <sup>2</sup>Department of, Windsor University, Windsor, Ontario Canada</i>
9:45-10:00	<b>Under pressure – exploring partner changes, physiological responses and telomere dynamics in northern gannets across varying breeding conditions</b> <u>Pelletier, D.</u> <sup>1,2</sup> , Blier, P.U. <sup>2</sup> , Vézina, F. <sup>2</sup> , Dufresne, F. <sup>2</sup> , Paquin, F. <sup>2</sup> , Christen, F. <sup>2</sup> , Guillemette, M. <sup>2</sup> <i><sup>1</sup>Département de biologie, Cégep de Rimouski, Rimouski, QC, Canada; <sup>2</sup>Département de biologie, Université du Québec à Rimouski, Rimouski, QC, Canada</i>
10:00-10:15	<b>Biodiversity Monitoring in Marine Conservation Areas within the southern Gulf of St. Lawrence</b> <u>Dinn, C.</u> <i>Department of Fisheries and Oceans Canada – Gulf Fisheries Centre</i>
10:15-10:30	<b>A role for gene editing towards understanding the ecological impacts of gene variation on adaptive potential</b> <u>Galts, B.</u> <sup>1</sup> , Josephson, M. <sup>1</sup> , Stanford, B. <sup>1</sup> , Jamniczky, H. <sup>2</sup> , Rogers, S. <sup>1</sup> <i><sup>1</sup>Department of Biological Sciences, University of Calgary, Calgary, Canada; <sup>2</sup>Cumming School of Medicine, University of Calgary, Calgary, Canada</i>