

Echo Travel Award Recipients

2025

Alec Schindler, PhD. *Energetic trade-offs in decision-making, reproductive effort, and subsequent parental care in Greenland white-fronted geese*, University of Saskatchewan.

2024

Nick Masto, PhD. *Functional connectivity and use of waterfowl sanctuaries for wintering mallards in the Mississippi Alluvial Valley*, Tennessee Technological University.

2023

Sarah Clements, PhD. *Habitat and environmental drivers of shorebird energy expenditure at contrasting non-breeding sites within a management unit*, University of Missouri.

2022

Casey Setash, PhD. *Effects of GPS transmitters on waterfowl annual survival across the life-history spectrum*, Colorado State University.

2021

Zhe Zhang, PhD. *Cooling effects of wetlands to mitigate climate change – a study of the North America Prairie Pothole Region*, University of Saskatchewan.

2020

Matt Dyson, PhD. *Waterfowl nest success in the Western Boreal Forest: Does industrial development alter predation rates?*, University of Waterloo.

2019

Kelsey Navarre, MSc. *Temporal covariation of demographic rates in Lesser Scaup (*Aythya affinis*) and management implications*, Colorado State University.

2018

Kyle Kuechle, MSc. *Quantifying neonicotinoid concentrations in Missouri public wetlands and the corresponding threat to aquatic food webs*, University of Missouri.

IWWR Student Publication Award Recipients

2022

Riecke, T.V., M.G. Lohman, B.S. Sedinger, T.W. Arnold, C.L. Feldheim, D.N. Koons, F.C. Rohwer, M. Schaub, P.J. Williams, and J.S. Sedinger. 2022. Density-dependence produces spurious relationships among demographic parameters in a harvested species. *Journal of Animal Ecology* 91:2261-2272.

Srayko, S.H., T.D. Jardine, I.D. Phillips, and D.P. Chivers. 2022. Seasonal mass migration of water boatmen (Hemiptera: Corixidae) as a wetland–river linkage and dietary subsidy to riverine fish. *Ecosystems* 25:1571-1588.

2021

Messmer, D.J., R.T. Alisauskas, H. Pöysä, P. Runko, and R.G. Clark. 2021. Plasticity in timing of avian breeding in response to spring temperature differs between early and late nesting species. *Scientific Reports* 11:5410.

Zhang, Z., L.E. Bortolotti, Z. Li, L.M. Armstrong, T.W. Bell, and Y. Li. 2021. Heterogeneous changes to wetlands in the Canadian prairies under future climate. *Water Resources Research* 57:e2020WR028727.

2020

Dyson, M.E., S.M. Slattery, and B.C. Fedy. 2020. Nest Predators of Ducks in the Boreal Forest. *Wildlife Society Bulletin* 44(3):631–639.

Zhang, Z., Y. Li, M. Barlage, F. Chen, G. Miguez-Macho, A. Ireson, and Z. Li. 2020. Modeling groundwater responses to climate change in the Prairie Pothole Region. *Hydrology and Earth System Sciences* 24:655-672.

2019

Janke, A.K., M.J. Anteau, and J.D. Stafford. 2019. Prairie wetlands confer consistent migrant refueling conditions across a gradient of agricultural land use intensities. *Biological Conservation* 229: 99-112.

Kuechle, K.J., E.B. Webb, D. Mengel, and A.R. Main. 2019. Factors influencing neonicotinoid concentrations in floodplain wetland sediments across Missouri. *Environmental Science & Technology* 53:10591-10600.

2018

Iles, D.T., R.F. Rockwell, and D.N. Koons. 2018. Reproductive success of a keystone herbivore is more variable and responsive to climate in habitats with lower resource density. *Journal of Animal Ecology* 87: 1182-1191.

Johns, D.W., T.A. Marchant, G.D. Fairhurst, J.R. Speakman, and R.G. Clark. 2018. Biomarker of burden: Feather corticosterone reflects energetic expenditure and allostatic overload in captive waterfowl. *Functional Ecology* 32: 345-357.

2017

Ross, M.V., R.T. Alisauskas, D.C. Douglas, and D.K. Kellett. 2017. Decadal declines in avian herbivore reproduction: density-dependent nutrition and phenological mismatch in the Arctic. *Ecology* 98: 1869-1883.

2016

Finger, T.A., A.D. Afton, M.L. Schummer, S.A. Petrie, S.S. Badzinski, M.A. Johnson, M.L. Szymanski, K.J. Jacobs, G.H. Olsen, and M.A. Mitchell. 2016. Environmental factors influence lesser scaup migration chronology and population monitoring. *Journal of Wildlife Management* 80: 1437-1449. [Read story.](#)

Provencher, J.F., M.R. Forbes, H.L. Hennin, O.P. Love, B.M. Braune, M.L. Mallory, and H.G. Gilchrist. 2016. Implications of mercury and lead concentrations on breeding physiology and penology in an Arctic bird. *Environmental Pollution* 218: 1014-1022. [Read story.](#)

2015

Harms, N.J., P. Legagneux, H.G. Gilchrist, J. Bêty, O.P. Love, M.R. Forbes, G.R. Bortolotti, and C. Soos. 2015. Feather corticosterone reveals effect of moulting in the autumn on subsequent reproductive output and survival in an Arctic migratory bird. *Proceeding of the Royal Society B* 282: 20142085. [Read story.](#)

Lavretsky, P., J.M. Dacosta, B.H. Hernández-Baños, A. Engilis Jr., M.D. Sorenson, and J.L. Peters. 2015. Speciation genomics and a role for the Z chromosome in the early stages of divergence between Mexican ducks and mallards. *Molecular Ecology* 24: 5364-5378. [Read story.](#)

2014

Barker, N.K.S., S.G. Cumming, and M. Darveau. 2014. Models to predict the distribution and abundance of breeding ducks in Canada. *Avian Conservation & Ecology* 9: 7.

2013

No award given.

2012

Nicolai, C.A., J.S. Sedinger, D.H. Ward, and W.S. Boyd. 2012. Mate loss affects survival but not breeding in black brant geese. *Behavioral Ecology* 23: 643-648.

2011

Coulton, D.W., R.G. Clark, D.W. Howerter, M.G. Anderson, and L.I. Wassenaar. 2011. Costs and benefits of natal dispersal in yearling mallards *Anas platyrhynchos*. *Journal of Avian Biology* 42: 123-133.

2010

Schummer, M.L., S.S. Badzinski, S.A. Petrie, Y.-W. Chen, and N. Belzile. 2010. Selenium accumulation in sea ducks wintering at Lake Ontario. *Archives of Environmental Contamination and Toxicology* 58:854-862.

Card, S.M. and S.A. Quideau. 2010. Microbial community structure in restored riparian soils of the Canadian prairie pothole region. *Soil Biology and Biochemistry* 42: 1463-1471.