

Elizabeth Donelan
 Research Associate
 Center for Conservation and Research of Endangered Wildlife (CREW)
 Cincinnati Zoo & Botanical Garden
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Education/Training

Institution and Location	Degree	Year	Field of Study
Michigan State University	B.S.	2006	Zoology
University of Rhode Island	M.S.	2009	Environmental Science/Wildlife Biology

Positions and Employment

Research Associate, CREW	2016-Present
Research Assistant, CREW	2015-2016
Research Assistant III, Cincinnati Children’s Hospital Medical Center	2012-2015
Research Assistant, University of Cincinnati	2009-2012
Teaching Assistant, University of Rhode Island	2008-2009
Natural Science Intern, Maria Mitchell Association	2004, 2006
Teaching Assistant, Michigan State University	2004-2006

Honors and Awards

Girls Scouts of America Gold Award, Cincinnati, OH	2002
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Peer-Reviewed Publications

Pennington PM, **Donelan E**, Rispoli LA, Consago C, Roth TL. 21 Investigating the role of serum progesterone, estrogen, and testosterone in cyclic and acyclic black rhinos. *Reproduction, Fertility and Development*, 2023, 36(2) 160, <https://doi.org/10.1071/RDv36n2Ab21>

Rispoli LA, Pennington PM, **Donelan E**, Roth TL. 24 The pros and cons of urethral catheterization for semen collection in rhinos. *Reproduction, Fertility and Development*, 2023, 36(2) 161-162 <https://doi.org/10.1071/RDv36n2Ab24>

Vansandt, LM, Meinsohn, MC, Godin, P, Nagykerly N, Sicher N, Kano M, Kashiwagi A, Chauvin M, Saatcioglu HD, Barnes JL, Miller AG, Thompson AK, Bateman HL, **Donelan EM**, González R, Newsom J, Gao G, Donahoe PK, Wang D, Swanson WF, Pépin D. Durable contraception in the female domestic cat using viral-vectored delivery of a feline anti-Müllerian hormone transgene. *Nature Communications*, 2023, 14, 3140. <https://doi.org/10.1038/s41467-023-38721-0>

Roth TL, **Donelan EM**, Rispoli LA, Reilly T, Prolactin enzyme-linked immunosorbent assay for rhinoceroses – Another tool for assessing reproductive function and dysfunction in this taxon. *Theriogenology Wild*, 2023, Volume 2, 100035, ISSN 2773-093X, <https://doi.org/10.1016/j.therwi.2023.100035>.

Curry E, **Donelan E**, Sabo D, Smith N, Roth TL. Timing of physiological and behavioral estrus following gonadotropin treatment in polar bears. *Reproduction, Fertility and Development*. 2022, 35(2) 139-139 <https://doi.org/10.1071/RDv35n2Ab27>

Donelan, E., Philpott, M., MacKinnon, K., Klosterman, K., & Roth, T. Faecal glucocorticoid metabolite concentrations associated with illness, sex, age, and season in a kea *Nestor notabilis* population at the Cincinnati Zoo and Botanical Garden. *Journal of Zoo and Aquarium Research*, 2022, 10(2), 107-114.

Donelan, Elizabeth, and University of Rhode Island. *The Biodiversity of Small and Medium-sized Mammals in a Coffee-dominated Landscape in Costa Rica*. Master's thesis, University of Rhode Island, 2009. Print.

Abstracts and Presentations

Donelan EM, Virgin EE, Rispoli LA, Curry E, Roth TL. 2023. Less is More: An efficient way to evaluate multiple biomarkers in serum samples. *International Society of Wildlife Endocrinology 8th International Meeting*, Oral presentation, Jim Corbett National Park, India.

Donelan EM, S Shuler, M Miller, A Moresco, E Ehmke, R Evans and TL Roth. 2019. Assessment of fecal progesterone and estrogen metabolites for reproductive monitoring in female aye-ayes (*Daubentonia madagascariensis*). *International Society of Wildlife Endocrinology 7th International Meeting*. Oral presentation, Kruger National Park, South Africa.

Kennedy VC, TL Roth, **EM Donelan** and E Curry. 2018. Western blot evaluation of fecal transthyretin (TTR) for use as a pregnancy test in polar bears (*Ursus maritimus*); In search of the golden compass of population management tools. *Proceedings of the Society for the Study of Reproduction*, P447. Poster presentation, New Orleans, LA.

Donelan EM, KM MacKinnon, KA Klosterman, D Canfield, RS Webster, JR Bray and TL Roth. 2017 Fecal glucocorticoid metabolite monitoring in kea (*Nestor notabilis*) during Avian Bornavirus outbreaks at the Cincinnati Zoo and Botanical Garden. *Proceedings of the Biennial Meeting of the International Society of Wildlife Endocrinology (abstr.74)*. Oral presentation, Orlando, FL.