

Amy Miller
 Research Associate
 Center for Conservation and Research of Endangered Wildlife (CREW)
 Cincinnati Zoo & Botanical Garden
 3400 Vine Street; Cincinnati, OH 45220

Education/Training

Institution and Location	Degree	Year	Field of Study
Loyola University Chicago	BS	2012	Biology
University of Wisconsin Oshkosh	MS	2017	Reproduction of <i>Ictidomys tridecemlineatus</i>

Positions and Employment

Fundraising Committee Felid TAG	2023- current
Research Associate Cincinnati Zoo and Botanical Garden, Center for Conservation and Research of Endangered Wildlife (CREW)	2017- current
Graduate Assistant University of Wisconsin Oshkosh	2016 - 2017
Animal Colony Caretaker University of Wisconsin Oshkosh	2015 - 2017
Graduate Research University of Wisconsin Oshkosh	2014 - 2017
Head Zoo Keeper Special Memories Zoo	2013 - 2017
Equine Caretaker Wisconsin Equine Clinic and Hospital	2013 - 2013
Research Assistant Loyola University Chicago Aquatic Ecology Lab	2012 – 2012
Medical Billing Specialist Superior Home Health Care, LLC	2011 - 2013
Veterinary Technician Southern Animal Foundation	2009 - 2010
Veterinary Technician PAWS Chicago	2007 - 2009

Honors & Awards

Dean's List Loyola University Chicago	2008
Loyola University Chicago Dean's Transfer Scholarship Loyola University Chicago	2008
Loyola University New Orleans Dean's Transfer Scholarship Loyola University New Orleans	2009
Vice President Alpha Phi Omega Service Fraternity Harold Washington Community College	2007

Select Abstracts, Presentations, and Publications

- LM Vansandt¹, A Moresco^{1,2}, R González¹, **A Miller**¹, J Newsom¹, ME Iwaniuk³, JR Herrick⁴, WF Swanson¹
 Sperm cryopreservation with a soy lecithin-based medium in the black-footed cat (*Felis nigripes*) and sand cat (*Felis margarita*): it's no yolk!
- R González¹, A Moresco^{1,2}, **A Miller**¹, H Bateman¹, L Vansandt¹, D Dembiec³, A Ista⁴, W Swanson¹
 Assessment of reproductive traits and semen cryopreservation in servals (*Leptailurus serval*) and Canada lynx (*Lynx canadensis*)
- Lindsey Marie Vansandt (1); Cristina Harumi Adania (2); Priscila Rocha Yanai (2); Regina Celia Rodrigues da Paz (3); **Amy Miller** (1); Raquel González (1); William F. Swanson (1)
 Assisted reproduction in cats - It's a big effin' deal!
- Raquel González^{1*}, Anneke Moresco¹, **Amy Miller**¹, Helen Bateman¹, Lindsey Vansandt¹, Daniel Dembiec², Amanda Ista³, William F. Swanson¹
 Characterization of reproductive parameters in servals (*Leptailurus serval*) and Canada lynx (*Lynx canadensis*) for improved conservation management
- David Pépin¹, Lindsey Vansandt², **Amy Miller**², Jackie Newsom², Motohiro Kano¹, Lihua Zhang¹, Nicholas Nagykerly¹, Dan Wang³, Guangping Gao³, Patricia K. Donahoe¹, William Swanson²
 Gene Therapy with AAV9 Delivery of an MIS Transgene Inhibits Estrus in Female Cats
- William F. Swanson^{1*}, Lindsey M. Vansandt¹, Jessica Kinzer², Ken Kaemmerer³, Mark Campbell¹, Elizabeth Donelan¹, **Amy Miller**¹, Helen Bateman¹ and Anneke Moresco¹

- Ovarian suppression with oral progestin facilitates successful fixed time laparoscopic oviductal artificial insemination in the fishing cat (*Prionailurus viverrinus*) and ocelot (*Leopardus pardalis*)
- Hall LM, **A Miller**, SL Fritz, WF Swanson and LM Vansandt 2019.
Characterization of 13,14-dihydro-15-keto-prostaglandin F2-alpha metabolite (PGFM) in the Pallas' cat (*Otocolobus manul*) and sand cat (*Felis margarita*) as a non-invasive marker for pregnancy.
- Swanson WF, RG Herrero, **A Miller**, G Sturgeon, A Hann, J D'Agostino, GA Cole, and LM Vansandt. 2019.
Oral progesterone treatment facilitates improved reproductive management of wild felids.
- Vansandt LM, Bateman HL, **Miller AG**, Herrick JR, Moresco A, González R, Iwaniuk ME, Swanson WF.
Cross-species efficacy of a chemically-defined, soy lecithin-based cryomedium for semen banking in imperiled wild felids. *Theriogenology*. 2021 Jan 1;159:108-1doi:10.1016/j.theriogenology.2020.10.021. Epub 2020 Oct 24. PMID: 33130295.
- Miller, A.**, Jentz, E., Duncan, C., Merriman, D 2021. Progesterone metabolites for use in pregnancy monitoring of 13-lined ground squirrels (*Ictidomys tridecemlineatus*). *Reproduction and Fertility*, 2(2), pp.81-88.
- González, R., **Miller, A.**, Vansandt, LM, Swanson, WF.
Characterization of basal seminal traits and semen cryopreservation in Canada lynx (*Lynx canadensis*), *Theriogenology Wild*, 2023,100026,ISSN 2773-093X,<https://doi.org/10.1016/j.therwi.2023.100026>. (<https://www.sciencedirect.com/science/article/pii/S2773093X23000107>).
- Vansandt, L.M., Meinsohn, M.C., Godin, P., Nagykerly, N., Sicher, N., Kano, M., Kashiwagi, A., Chauvin, M., Saatcioglu, H.D., Barnes, J.L. and **Miller, A.G.**, 2023. Durable contraception in the female domestic cat using viral-vectored delivery of a feline anti-Müllerian hormone transgene. *Nature Communications*, 14(1), p.3140.
- Miller, A.**, Lam, L., Consago, C., Vansandt, LM. 2023.
Characterization of basic reproductive biology in Amur leopards (*Panthera pardus orientalis*) using non-invasive fecal hormone monitoring.