

ROSE STEWART

480 Wilson Road, Room 13

East Lansing, MI 48824

stewa684@msu.edu

(517) 432-8086

EDUCATION:

- 2007 **PhD in Animal Sciences, University of Maryland**, College Park, MD
- 1998 **BA in Biology, St. Mary's College of Maryland**, St. Mary's City, MD
- 1997 **Danish Institute for Study Abroad**, Copenhagen, Denmark

PROFESSIONAL EXPERIENCE:

- 2016-present **Research Administrator**, Boone and Crockett Quantitative Wildlife Center, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI
- 2007-2014 **Postdoctoral Research Associate and Laboratory Director**, Center for the Integrative Study of Animal Behavior, Department of Biology, Indiana University, Bloomington, IN
- 2002-2007 **Predoctoral Research Fellow**, Center for Species Survival, Smithsonian Conservation Biology Institute, Front Royal, VA
- 1999-2002 **Research Assistant**, Wildlife and Contaminants Program, World Wildlife Fund, Washington, DC
- 1995-1999 **Veterinary Assistant**, St. Mary's Veterinary Hospital, Lexington Park, MD

TEACHING EXPERIENCE:

- 2009-2014 **Guest Lecturer and Course Co-Organizer**, ABEH A501 Techniques in Reproductive Diversity, Indiana University
- 2009-2013 **Co-Instructor**, ABEH A502 Research and Professional Ethics for the Bio-behavioral Sciences, Indiana University
- 2005 **Teaching Assistant**, ANSC 446 Physiology of Mammalian Reproduction, University of Maryland, College Park
- 1997 **Teaching Assistant**, BIOL 330 Human Anatomy and Physiology, St. Mary's College of Maryland

SERVICE AND OUTREACH:

- 2019-present Member, Department of Fisheries and Wildlife Communications Committee, Michigan State University
- 2018-present Member, Department of Fisheries and Wildlife Social Committee, Michigan State University
- 2018 Member, Department of Fisheries and Wildlife Department Chair Search Committee, Michigan State University
- 2016-present Member, Boone and Crockett Club University Programs Sub-Committee
- 2014-15 Ad hoc Reviewer, *Reproduction and Steroid Biochemistry and Molecular Biology*
- 2011-12 Invited Judge, Women in Science Annual Poster Competition, Indiana University
- 2009 Grant Preparation Assistant, NIH Institutional Research Training Grant (T32) renewal, 5 years, \$2.1 million awarded to Indiana University
- 2008-14 Planning Committee, Indiana University Animal Behavior Conference
- 2004 Co-organizer, Smithsonian Center for Species Survival 'Science Day' research forum
- 2003-07 Reproductive Advisor, Fishing Cat Species Survival Plan
- 2002-07 Volunteer, Autumn Conservation Festival, Smithsonian Conservation Biology Institute

AWARDS AND HONORS:

- 2018 Support Staffer of the Month, College of Agriculture and Natural Resources, Michigan State University
- 2002-07 Smithsonian Institution Predoctoral Research Fellowship
- 2001-07 Matching Tuition Scholarship, University of Maryland (UMD) Graduate School
- 2006 Jacob K. Goldhaber Travel Award, UMD Graduate School
- 2004-06 First Place Poster Presentation, UMD Animal Sciences Department Annual Symposium
- 2003 Morris Animal Foundation Fellow
- 1997-98 Tri Beta Biological Honor Society, St. Mary's College of Maryland

PROFESSIONAL DEVELOPMENT AND MEMBERSHIPS:

- 2019 Participant, Emerging Leaders Program, Great Lakes Leadership Academy
- 2018-present Certification, Essentials of Research Administration, Michigan State University
- 2018-present Member, The Wildlife Society
- 2002-2007 Member, Society for the Study of Reproduction

MULTI-INSTITUTIONAL COLLABORATIONS:

- 2014 *Understanding how multimodal sensory processing can influence mate-choice in the brown-headed cowbird*, Purdue University and Indiana University
- 2013-14 *Evaluating benchmarks of adrenal physiology in neonatal white-tailed deer born in rural versus urban habitat*, Ball State University, Indiana DNR and Indiana University
- 2010-11 *Influence of female plumage color on testosterone profiles in the barn swallow*, University of Colorado at Boulder and Indiana University
- 2010-11 *Evaluating how primary sexual characteristics impact androgen concentrations in two waterfowl species*, Yale University and Indiana University
- 2002-07 *Characterizing the influence of progestin priming on ovarian physiology in the fishing cat*, Six North American zoos and the Smithsonian Conservation Biology Institute

GRANTS:

- 2005 *Understanding peri-implantation status in the cat and improving our ability to control reproduction*, University of Missouri (2-year award, \$42,160), Co-investigator.
- 2002 *Reproductive biology and development of artificial insemination in the fishing cat*, Morris Animal Foundation (2-year award, \$23,700), Co-Investigator.

SELECTED PRESENTATIONS:

- 2009-14 Invited Speaker, Research Experience for Undergraduates in Animal Behavior Lecture Series, Indiana University, Bloomington, IN
- 2006 Invited Speaker, 3rd Int. Symposium on Assisted Reproductive Technology (ART) for Endangered Species, Omaha, NE
- 2006 Felid Taxon Advisory Group (TAG) Annual Meeting, Denver, CO (oral presentation)

- 2005 Invited Speaker, "Cats in Crisis" Lecture Series, National Zoo, Washington, DC
- 2005 Society for the Study of Reproduction Annual Meeting, Quebec City, Canada (poster)
- 2005 Felid TAG Annual Meeting, St. Louis, MO (oral presentation)
- 2004 5th Int. Symposium on Canine and Feline Reproduction, Embu das Artes, Brazil (poster)
- 2004 Invited Speaker, Felid TAG Small Cat Workshop, Albuquerque, NM
- 2004 Invited Speaker, National Zoo Coffee Talk Lecture Series, Washington, DC
- 2003 Workshop Instructor, Genetic Management for Fishing Cats: A Model for *Ex Situ* Populations, Khao Kheow Open Zoo, Chonburi, Thailand

PUBLICATIONS:

1. Rossi, A., F. Parada, **R. Stewart**, C. Barwell, G. Demas and C. Allen. 2018. Hormonal correlates of exploratory and play-soliciting behavior in domestic dogs. *Frontiers in Psychology* 9: Article 1559.
2. **Stewart, R.**, A. Crosier, K. Pelican, B. Pukazhenthii, B. Sitzmann, T. Porter, D. Wildt, M. Ottinger and J.G. Howard. 2015. Progesterin priming before gonadotrophin stimulation and artificial insemination improves embryo development and normalises luteal function in the cat. *Reproduction, Fertility and Development* 27(2): 360-71.
3. Vitousek, M., **R. Stewart**, and R. Safran. 2013. Female plumage colour influences seasonal oxidative damage and testosterone profiles in a songbird. *Biology Letters* 9(5): 20130539.
4. **Stewart, R.**, K. Pelican, A. Crosier, B. Pukazhenthii, D. Wildt, M. Ottinger, and J.G. Howard. 2012. Oral progesterin priming increases ovarian sensitivity to gonadotropin stimulation and improves luteal function in the cat. *Biology of Reproduction* 87(6): 1-11.
5. Kojima, S., **R. Stewart**, G. Demas and J.R. Alberts. 2012. Maternal contact differentially modulates central and peripheral oxytocin in rat pups during a brief regime of mother-pup interaction that induces a filial huddling preference. *Journal of Neuroendocrinology* 24(5): 831-40.
6. Santymire, R., J. Brown, **R. Stewart**, R. Santymire, D. Wildt and J.G. Howard. 2011. Reproductive gonadal steroidogenic activity in the fishing cat (*Prionailurus viverrinus*) assessed by faecal steroid analyses. *Animal Reproduction Science* 128: 60-72.
7. **Stewart, R.**, K. Pelican, J. Brown, D. Wildt, M. Ottinger and J.G. Howard. 2010. The oral progesterin altrenogest induces rapid, reversible suppression of ovarian activity in the cat. *General and Comparative Endocrinology* 166(2): 409-16.
8. **Bauer, R.**, T. Colborn, P. Palanza, S. Parmigiani and F. vom Saal, editors. 2002. Impact of endocrine disruptors on brain development and behavior. *Environmental Health Perspectives* 110, Suppl 3.