

J. LANNETT EDWARDS, PhD

Professor & Graduate Director (60% Research | 40% Teaching)
Department of Animal Science, The University of Tennessee Knoxville
A111, JRTU Bldg, 1750 Alcoa Hwy, Knoxville, TN 37920
Office (865) 946-1011; Email jedwards@utk.edu



EDUCATION

1996	PhD	Animal Science (Animal Molecular and Cell Biology), University of Florida
1992	MS	Dairy Science, Mississippi State University
1989	BS	Agriculture, Austin Peay State University

PROFESSIONAL EXPERIENCE

2012 – Present	Professor	Animal Science, The University of Tennessee
2005 - 2012	Associate Professor	Animal Science, The University of Tennessee
2000 - 2005	Assistant Professor	Animal Science, The University of Tennessee
1998 - 2000	Research Assistant Professor	Animal Science, The University of Tennessee
1996 - 1998	Postdoc	USDA, Animal Research Service, Beltsville MD

EXPERTISE

- Reproductive Physiology
- Embryology

AWARDS AND HONORS (PAST 10 YEARS)

- W.F. & Golda Moss Outstanding Teaching Award >10 years-service, HCA, 2020
- B. Ray Thompson, Sr. Outstanding Faculty Performance Award, UTIA 2018
- Austin Peay State University, Outstanding Alumna Award, 2018
- Selected for UT Executive Leadership Institute, 2018
- UTRF Innovation Award, 2017
- W.S. Overton Faculty Award of Merit, HCA, 2017
- NACTA Teaching Award of Merit Certificate-Received with Overton Award by HCA, 2017
- Selected for UT Leadership Institute, February 26-March 3, 2017 Murfreesboro TN
- UTRF Start Up Award Recipient for Fertility Focus, Inc, UTRF Innovations Awards 2016
- Gamma Sigma Delta Teaching Award, Institute of Agriculture, 2015
- Selected for LEAD21 Program 2014-2015
- Selected for UTK Women's Leadership Program 2012-2013
- Buford E. Ellington Distinguished Faculty Award, Department of Animal Science, 2013
- Faculty Appreciation Week, Featured for inspiring ideas in classroom HCA-UTK, 2013
- Point of Pride Award, School System & Members of Board of Education-Montgomery County, TN

TEACHING AND MENTORING

- Director of Graduate Studies
- ANSC-BCMB 320 Reproductive Physiology and Lactation (3 credit hours);
- ANSC 420 Advanced Reproductive Techniques (3 credit hours)
- ANSC 525 Research Ethics for the Life Sciences (1 credit hour)
- ANSC 696 Graduate Student (M.S/Ph.D.) Seminar (1 credit hour) 2016-2019
- ANSC 494 Animal Science Teaching Assistant
- AGNR 512 Teaching Intern in Ag/Nat Res (1 credit hour)
- ANSC 500 Thesis
- ANSC 600 Doctoral Research and Dissertation
- Mentor/co-mentor/supervisor-research assistant professor (1), postdoc (1), PhD (3), MS (12), undergraduates (13), teaching assistants (9), service on other graduate committees (26; 7 PhDs)

PUBLICATIONS, INVITED TALKS AND ‘IN THE NEWS’ (PAST 10 YEARS)

- Peer-reviewed articles: 37
- Book chapters: 2
- Scientific abstracts: 43
- Review articles in national/regional proceedings: 1
- Web-based materials: 1
- Patents (3), licenses: 1
- Startup companies: 1
- Invited & other presentations (state and national): 19
- Other presentations (internal and external to university): 37
- ‘In the News’ (Programmatic efforts noted – internal/external media outlets - state and national): 20

RECENT PUBLICATION EXAMPLES:

- Pollock, A.B., S.E. Moorey, E.A. Hessock, J.L. Klabnik, R.R. Payton, F.N. Schrick, S.R. Campagna, and J.L. Edwards. 2023. Relationship between higher estrus-associated temperatures (HEAT) and the bovine preovulatory follicular fluid metabolome. *Frontiers in Animal Science*, Volume 4; <https://doi.org/10.3389/fanim.2023.1241033>
- Klabnik J., L.K. Christenson, S. Gunewardena, K.G. Pohler, L.A. Rispoli, R.R. Payton, S.E. Moorey, F.N. Schrick and J.L. Edwards. 2022. Heat-induced increases in body temperature in lactating dairy cows: impact on the cumulus and granulosa cell transcriptome of the periovulatory follicle. *Journal of Animal Science* Volume 100, Issue 7 July 2022, skac121, <https://doi.org/10.1093/jas/skac121>
- Liles, H.L., L.G. Schneider, K.G. Pohler, R.V. Oliveira Filho, F.N. Schrick, R.R. Payton, J.D. Rhinehart, K.W. Thompson, K. McLean, J.L. Edwards. 2022. Positive relationship of rectal temperature at fixed timed artificial insemination on pregnancy outcomes in beef cattle. *Journal of Animal Science* Volume 100, Issue 7, July 2022, skac100 <https://doi.org/10.1093/jas/skac100>

GRANTS/CONTRACTS/GIFTS (PAST 10 YEARS)

- Grants, contract and gifts: 32
- Total amount of funds awarded: \$4.8+ million
- Funding agencies: USDA-NIFA-AFRI, USDA-Multistate/Hatch, State of TN through UTIA AgResearch, Animal Science Department, Private Industry Funding and Gifts in Kind

RECENT GRANT AWARD AS LEAD PI

USDA-NIFA-AFRI-Animal Reproduction Program. \$650,000. Started 2022. Proposal was placed in Outstanding Category and Ranked 4th.

SERVICE EXAMPLES (UTK, UTIA, DEPARTMENT & OTHER ENTITIES)

- UTK Graduate Council, Herbert College of Agriculture Representative
- UT System Transparency Advisory Group UTIA-Representative
- Member UTIA Advisory Council
- Past Chair and member of UTIA Promotion & Tenure Committee
- Member & past chair of Herbert College of Agriculture Graduate Council
- Animal Science Graduate Director & Graduate Committee Member
- Faculty Mentor to numerous junior faculty
- Chaired/Co-Chaired/Committee service for numerous Faculty Position Searches
- Ad hoc reviewer for discipline journal articles
- Reviewer/Contributor to efforts related to developing an online course in Reproductive Physiology developed by Dr. Phil Senger and based on his text book *Pathways to Pregnancy and Parturition*, 3rd ed.
- Hosted Visiting Scientists/Other collaborative efforts
- Former Advisory Committee Member Farm Credit Mid-America