

Robert A. Dailey
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Education

Post-doctoral Fellowship, Emory University, 1975.
Major: Neuroendocrinology

Ph D, University of Wisconsin, 1973.
Major: Endocrinology-Reproductive Physiology
Supporting Areas of Emphasis: minor - Physiology
Dissertation Title: Follicular Atresia and the Number of Ovulatory Follicles in Swine

MS, University of Wisconsin, 1969.
Major: Endocrinology-Reproductive Physiology
Dissertation Title: The Effect of Unilateral Ovariectomy in the Prepuberal Gilt

BS, West Virginia University, 1967.
Major: Animal Science

Shepherd University, 1964.
Major: Biology

Licensures and Certifications

Driver Training, West Virginia University. (March 21, 2018 - Present).

Transport of Hazardous Materials, West Virginia University. (March 21, 2018 - Present).

EHS Hazard Communication and Laboratory Safety, West Virginia University. (January 24, 2017 - Present).

Hazardous Waste, West Virginia University. (January 24, 2017 - Present).

Principal Investigator Radiation Use, West Virginia University. (1977 - Present).

Biomedical Research Investigators Stage: Stage 1 - Basic Course, West Virginia University.
(January 28, 2018 - January 27, 2021).

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM), West Virginia University. (January 27, 2018 - January 26, 2021).

Ethics Training, West Virginia. (January 28, 2018 - January 27, 2020).

P-Card Holder Training, West Virginia. (January 28, 2018 - January 27, 2020).

Disclosure of Information in Research, WVU Office of Research and integrity. (December 30, 2018 - December 30, 2019).

Professional Memberships

Gamma Sigma Delta. (1981 - Present).

Society for Study of Reproductive Biology. (1971 - Present).

American Society of Animal Science. (1969 - Present).

ALpha Zeta. (1967 - Present).

TEACHING

Teaching Experience

West Virginia University

A&VS 402, Values and Ethics, 17 courses.

A&VS 411, Dairy Heifer Management, 4 courses.

A&VS 496, Senior Thesis:Capstone, 1 course.

A&VS 497, Research, 4 courses.

A&VS 698, Thesis, 4 courses.

A&VS 699, Graduate Colloquium, 4 courses.

ANPH 424, Physiology of Reproduction, 2 courses.

ANPH 425, Reproductive Laboratory, 2 courses.

ANPR 336, Dairy Cattle History/Selection, 2 courses.

ANPR 339, Adv Evaluation-Animal Products, 1 course.

VETS 491, Professional Field Experience, 3 courses.

Non-Credit Instruction

Guest Lecture, West Virginia University, 10 participants. (2018).

Directed Student Learning

Coursework Only Master's. (January 2019 - Present).

Advised: Shane Plum

Coursework Only Master's, Agriculture, Environmental Studies, and Design. (December 2018 - Present).

Advised: Hope Stewart

Coursework Only Master's, Agriculture, Environmental Studies, and Design. (August 2018 - Present).

Advised: Danielle Foglesong

Master's Project Committee Member. (August 2017 - Present).

Advised: Heather Baldwin

Master's Thesis Committee Member, Reproductive Physiology. (August 2017 - Present).

Advised: Lyndsey Gross

Master's Thesis Committee Chair, Reproductive Physiology. (August 2016 - Present).

Advised: Malia Berg

Coursework Only Master's, MAGR. (2016 - Present).

Advised: Trevor Jenkins

Doctoral Committee Member, Reproductive Physiology. (January 2013 - May 2019).
Advised: Justin Lopez

Coursework Only Master's, Agriculture, Environmental Studies and Design. (August 2017 - 2018).
Advised: Todd Welch

Coursework Only Master's, Agriculture, Environmental Studies, and Design. (August 2017 - August 2018).
Advised: Evan Wilson

Dissertation Defense Committee Member, Physiology and Pharmacology. (August 2014 - May 2018).
Advised: Michelle Bedenbaugh

Master's Thesis Committee Chair, "Influence of Sex and Blood Collection Method on Innate Immune Response following Lipopolysaccharide Administration in Sheep," Reproductive Physiology. (August 2014 - May 2017).
Advised: Hoda Nikpour

Doctoral Committee Chair, "Characterization of the Immune Response to Lipopolysaccharide in Early Pregnant Ewes as a Model to Study Bacterial Infection Induced Embryonic Loss," Reproductive Physiology. (August 2013 - May 2017).
Advised: Jesalyn Hadfield

Awards and Honors

Fellow, American Society of Animal Science. (July 9, 2018).

RESEARCH

Published Intellectual Contributions

Other

- Berg, M., Franko, J. L., Holaskova, I., Schafer, R., Dailey, R. A. (in press). *Propanil alters reproductive hormones and immune cell populations in female mice 24 hours after exposure.* Morgantown: Society of Toxicology.
- Graham, M. R., Bowdridge, E. C., Bowdridge, S. A., Holaskova, I., Elsasser, T. H., Dailey, R. (2018). *Effect of lipopolysaccharide-induced immune responses on pregnancy loss in ewes.* (vol. 08, pp. 421-431). Wuhan: Open Journal of Animal Science. https://file.scirp.org/Html/5-1400704_87905.htm
- Hadfield, J. M., Bowdridge, E. C., Holaskova, I., Elsasser, T. H., Dailey, R. (2018). Breed-specific differences in the immune response to lipopolysaccharide in ewes. *Journal of Animal Science* (4th ed., vol. 81, pp. 4220-4228). Champaign, Illinois: Journal of Animal Sciences. <https://doi.org/10.2527/2003.814912x>
- Butler, W. R., Schneider, A., Silveira, P. A.S., Townson, D. H., Tsang, P. C.W., Dailey, R. A., Ott, T. L., Pate, J. L. (2018). *Effects of polymorphisms in GHR, IGF-I and TNFa genes on fertility in lactating dairy cows.* Journal of Dairy Science.
- Nikpour, H., Bowdridge, E. C., Dailey, R. A. (2017). Effect of Sex and Catheter on Cortisol Levels

and Leukocytes Following LPS Challenge in Sheep. *Biology of Reproduction*. Society for Study of Reproduction 50th Annual Meeting.

Bowdridge, E. C., Dailey, R. A. (2017). Systemic LPS Challenge during Early Pregnancy in Sheep Stimulates Expression of Pro-Inflammatory Genes in the Uterus. *99th Annual meeting of The Endocrine Society. April 1-4 Orlando Fl.* Endocrinology.

Presentations Given

Dailey, R. A., NE1727 Hatch Regional, "WV Station Annual Report," USDA, Stowe Vermont. (2017).

Contracts, Grants and Sponsored Research

Sponsored Research

Dailey, R. A. (Co-Principal), "NE1727 Influence of Ovary, Uterus, and Embryo On Pregnancy Success in Ruminants," Sponsored by USDA NIFA Hatch/Multi-State, Federal. (October 1, 2017 - September 30, 2022).

Dailey, R. A. (Principal), "Use of sheep injected with lipopolysaccharide after mating to mimic effect of mastitis on pregnancy loss in dairy cattle," Sponsored by USDA NIFA, Federal. (October 1, 2014 - September 30, 2019).

Dailey, R. A. (Co-Principal), "NE1712 Ovarian Influences on Reproductive Success in Ruminants," Sponsored by USDA NIFA Hatch/Multi-State, Federal. (October 1, 2012 - September 30, 2017).

SERVICE

University Service

Committee Member, ANS Advisory Board. (August 14, 2018 - Present).

Committee Member, Veterinary Technology Program. (2018 - Present).

Committee Member, Pre-health Professional Development Advisory Committee. (2016 - Present).

Attendee, Meeting, Annual Coordinators Meeting WV FFA Career Development. (2010 - Present).

Committee Member, Davis College Alumni Association Board of Directors. (2010 - Present).

Presider, Davis-Michael Spring Senior Recognition Brunch. (May 2003 - Present).

Committee Chair, Davis-Michael Scholarships. (1998 - Present).

Committee Member, Kidder Postgraduate Scholarship Committee. (1992 - Present).

Committee Member, Kidder Scholarship Committee. (1991 - Present).

Committee Chair, Gamma Sigma Delta. (1990 - Present).

Committee Chair, AVS Scholarship Committee. (1980 - Present).

Program Organizer, Genex/Select Sires Artificial Insemination Course. (1978 - Present).

Accreditation Reporting, College Radiation Laboratory. (1977 - Present).

Degree presentations, 149th Commencement. (May 12, 2018).

Faculty Advisor, Southern Regional Dairy Science Student Affiliate Meeting. (February 22, 2018 - February 24, 2018).

Attendee, Meeting, Davis-Michael Mock interviews. (January 7, 2018).

Consultant, 150th Anniversary Davis College magazine. (2017).

Attendee, Meeting, Honors - Ryan Claycomb. (2017).

Attendee, Meeting, Program Assessment Training. (2017).

Committee Chair, Search for Assistant Professor in Reproductive Physiology. (2016 - 2017).

Committee Member, Faculty Welfare Committee. (2014 - 2017).

Panel Member, Dietary Patterns to Combat WV Health Disparities. (November 30, 2017).

Attendee, Meeting, Building Dedication. (October 23, 2017).

Guest Speaker, Staff Presentation at the Waterfront: The Mission of the Davis College. (October 11, 2017).

Guest Speaker, WVU Retired Faculty: History of the Davis College. (October 4, 2017).

Attendee, Meeting, The Future of Land-Grant Education Panel. (September 28, 2017).

Required training, NASB Walk-in coolers/freezers training. (August 18, 2017).

Committee Member, Davis-Michael Professorship Selection. (August 4, 2017).

Committee Member, Faculty Welfare Committee. (January 2014 - May 2017).

Attendee, Convocation, Spring Convocation. (May 12, 2017).

Attendee, Meeting, Palladino Lecture. (April 21, 2017).

Professional Service

Reviewer, Ad Hoc Reviewer, Small Ruminant Research. (2016 - Present).

Reviewer, Ad Hoc Reviewer, Animal Reproduction Science. (2015 - Present).

Editorial Review Board Member, Turkish Journal of Veterinary & Animal Sciences. (2013 - Present).

Member, Dairy Quality Assurance Program Advisory Committee. (2010 - Present).

Member, Dairy Quality Management Alliance (RDQMA). (2010 - Present).

Board of Directors, Alumni Association of Davis College of Agriculture, Natural Resources and Design, Morgantown, West Virginia. (2008 - Present).

Member, John's Advisory Committee. (2001 - Present).

Reviewer, Ad Hoc Reviewer, Theriogenology. (1980 - Present).

Member, Society for Study of Reproduction. (1973 - Present).

Member, American Society of Animal Science. (1969 - Present).

Reviewer, Journal Article, Animal. (2018).

Reviewer, Journal Article, Domestic Animal Endocrinology. (2018).

Reviewer, Journal Article, Journal of Dairy Science. (2018).

Reviewer, Ad Hoc Reviewer, Journal of Biology and Nature. (2017).

Reviewer, Ad Hoc Reviewer, Journal of Dairy Science. (2017).

Reviewer, Ad Hoc Reviewer, Pakistan Journal of Zoology. (2017).

Public Service

Coach, West Virginia University Dairy Challenge Team. (2009 - Present).

Workshop Organizer, Dairy Cattle Judging Workshop, Morgantown, WV. (2007 - Present).

Advisor, WVU Dairy Science Club, Morgantown, West Virginia. (2007 - Present).

Judge, Green County and West Green FFA Dairy Cattle Contest, Morgantown. (1990 - Present).

Academic Advisor, WVU Honors College. (1982 - Present).

Consultant, Farm Animal Reproduction. (1977 - Present).

Judge, West Virginia 4H and FFA Dairy Cattle Judging Contest, Jackson's Mill, West Virginia. (1977 - Present).

Coach, West Virginia University Dairy Cattle Judging Team. (1977 - Present).

Board Member, Alpha Gamma Rho, Morgantown, WV. (1966 - Present).

Advisor, WVU Pre-veterinary Club, Morgantown, WV. (2010 - 2018).

Discussant, Roy A Wallace Select Sires Annual Reproduction Workshop, West Palm Springs, Florida. (October 16, 2018 - October 18, 2018).

Guest Speaker, West Virginia University Extension Service, Morgantown, West Virginia. (September 28, 2018).

Outside Tenure Reviewer, University of Georgia Animal and Dairy Science Department. (June 30, 2018).

Committee Member, WV Agricultural and Forestry Hall of Fame, Jacksons Mill, WV. (March 15, 2018).

Outside Tenure Reviewer, Marshall University Department of Biology. (February 20, 2018).

Judge, Dairy Science Student Affiliate, Pittsburgh, PA. (2017).

Consulting

Farm management of reproduction, area farmers. (1977 - Present).

Awards and Honors

Service

West Virginia Agriculture and Forestry Hall of Fame. (July 2017).