

CURRICULUM VITAE

Gregory S. Archer

Post Doctoral Researcher
University California, Davis
1 Shields Avenue, Davis, Ca 95616
gsarcher@ucdavis.edu

Education

Virginia Polytechnic Institute and State University, Blacksburg, VA

B.S. Degree in Animal and Poultry Sciences, Equine emphasis

Texas A&M University, College Station, TX

M.S. Degree in Animal Science (Applied Ethology/Stress Physiology)
Ph.D. in Animal Science (Applied Ethology/Stress Physiology).

Work Experience

Texas A&M University, College Station, TX January 2001-May 2005

Graduate Research/Teaching Assistant

Texas A&M University, College Station, TX May 2005-Sept 2005

Post Doctoral Research Assistant

Food Animal Concerns Trust, IL September 2005-March 2006

Consultant

University of California at Davis, CA October 2005-Current

Post Doctoral Researcher

Service Activities

Lecture Leader 14th Annual Science, Technology, and YOUTH Symposium at Texas A&M (2001)

Group Leader 2002 Texas State 4-H Livestock Judging Championship

Demonstration Assistant 2003 Beef Short Course at Texas A&M

Expert Reviewer for the Journal of Animal Science

Poultry Welfare Inspector for Human Farm Animal Care

Awards/Recognitions

- Research recognized as a major event in the first century of the Texas A&M Department of Animal Science (The Texas A&M University Agriculture Program (Lifescapes))
- Elsevier Featured Article at the 2003 Joint meeting of the American Dairy Science Association and the American Society of Animal Science, Phoenix, Az.

Funding Awards

- Competitive USDA-CREES grant **\$365,000** (2008-2011)

Professional Affiliations

- International Society of Applied Ethology (ISAE)
- American Society of Animal Science (ASAS)
- Poultry Science Association (PSA)
- Animal Behavior Society (ABS)

Peer Reviewed Publications

Archer, G.S., J. Piedrahita, C.H. Nevill, S. Walker, T.H. Friend. **2003**. Variation in Behavior Cloned Pigs. *Applied Animal Behaviour Science*. 81 (4): 321-331.

Archer, G.S., S. Dindot, T.H. Friend, S. Walker, G. Zaunbrecher, B. Lawhorn, and J.A. Piedrahita. **2003**. Hierarchical Phenotypic and Epigenetic Variation in Cloned Swine. *Biology of Reproduction*. 69: 430-436.

Williams, J.L., T.H. Friend, C.H. Nevill, and **G. Archer**. **2004**. The efficacy of a secondary reinforcer (clicker) during acquisition and extinction of an operant task in horses. *Applied Animal Behaviour Science*. 88 (3-4): 331-341.

Archer, G.S. and T.H. Friend. **2005**. Ideal statistical analysis vs biological significance: a response to Shutler et al. (2005). *Applied Animal Behaviour Science*. 91 (3-4): 367-369.

Bashir, M., G. Zaunbrecher, **G.S. Archer**, T.H. Friend, and J. Piedrahita. **2005**. Progeny of somatic cell nuclear transfer (SCNT) pig clones is phenotypically similar to non-cloned pigs. *Cloning and Stem Cells*. 7 (2): 119-125.

Archer, G.S., TH. Friend, D. Caldwell, K. Ameiss, and P. Krawczel. **2007**. Effect of feeding *Ascophyllum nosodum* on growth, humoral immune response, and physiology in response to walking and transport. *Journal of Animal Science*. 85: 225-232.

Krawczel, P.D., T.H. Friend, D.J. Caldwell, **G. Archer**, K. Ameiss, and R. Johnson. **2007**. The effects of continuous versus rested transport on the blood chemistry, behavior, and antibody production of lambs. *Journal of Animal Science*. 85: 468-476.

Iacono, C.M., T.H. Friend, R.D. Johnson, P.D. Krawczel, and **G.S. Archer**. **2007**. A preliminary study of the utilization of an onboard watering system by slaughter horses during transport. *Applied Animal Behaviour Science*. 105 (1-3): 227-231.

Archer, G.S., TH. Friend, D. Caldwell, K. Ameiss, P. Krawczel, H. Keen, C. Iacono, and T. Martin. **2008**. Effect of feeding *Ascophyllum nosodum* and its components on growth, immune response, and physiology in response to transport. *Animal Feed Science and Technology*. 140 (3-4): 258-271

Krawczel, P.D., T.H. Friend, and **G.S. Archer**. **2008**. Behavior of lambs in rest pens during long-distance transport. *J. Applied Animal Welfare Science*. 11 (4): 337-345.

Blatchford, R.A., K.C. Klasing, H.L. Shivaprasad, P.S. Wakenell, **G.S. Archer**, and J.A. Mench. **2009**. The effect of light intensity on the behavior and health of broiler chickens. *Poultry Science*. 88 (1) 20-28.

Archer, G.S., H.L. Shivaprasad, and J.A. Mench. **2009**. Effect of providing light during incubation on the health, productivity, and behavior of broiler chickens. *Poultry Science*. 88 (1): 29-37.

Alvino, G.M., R.A. Blatchford, **G.S. Archer**, and J.A. Mench. **2009**. Light intensity during rearing affects the behavioural synchrony and resting patterns of broiler chickens. *British Poultry Science*. In Press.

Alvino, G.M., **G.S. Archer**, and J.A. Mench. **2009**. Time-budgets of broiler chickens reared in varying light intensities. *Applied Animal Behavior Science*. In press.

Published Abstracts and Conference Presentations

Archer, G.S., T.H. Friend, J. Piedrahita, C.H. Nevill, and S. Walker. (June, 2003). Behavioral and Physical Variation Among Cloned Litters of Pigs. Joint meeting of the American Dairy Science Association and the American Society of Animal Science, Phoenix, Az.

Archer, G.S., T.H. Friend, P. Krawczel, C. Iacono, and R. Johnson. (July, 2004). Effect of feeding *Ascophyllum Nodosum* on thermoregulation, behavior, and dehydration of sheep subjected to 12-h of transport. Joint meeting of the American Society of Animal Science, the American Dairy Science Association, and the Poultry Science Association, St. Louis, Mo.

Iacono, Christa, T.H. Friend, **G. Archer**, P. Krawczel, and R. Johnson. (July, 2004). Utilization of an onboard watering system by slaughter horses during transport. Joint meeting of the American Society of Animal Science, the American Dairy Science Association, and the Poultry Science Association, St. Louis, Mo.

Krawczel, P.D., T.H. Friend, D.J. Caldwell, **G.S.Archer**, K. Ameiss, and R. Johnson. (2005). Effect of continuous versus non continuous transport of the blood chemistry, electrolytes, immune response and behavior of lambs. Student Poster Competition. Agriculture Program Conference. College Station, Texas.

Archer, G.S., T.H. Friend, D. Caldwell, K. Ameiss, P. Krawczel, H. Keen, C. Iacono, and T. Martin. (July, 2006). Effect of feeding *Ascophyllum nosodum* and its components on growth, immune response, and physiology in response to transport. North American Regional Meeting of the International Society of Applied Ethology, Vancouver, Canada.

Alvino, G., **Archer, G.S.**, and J.A. Mench. Assessment of behavioral synchrony of broiler chickens under varying light intensities. (July, 2007). 41st Congress of the International Society of Applied Ethology. Merida, Mexico.

Archer, G.S., Fagerberg, G., and J.A. Mench. The effects of rearing broiler chickens under different light intensities on fear responses (July, 2007). 41st Congress of the International Society of Applied Ethology. Merida, Mexico.

Blatchford, R.A., J.A. Mench, P.S. Waknell, and **G.S. Archer**. The effect of light intensity on broiler behavior and leg health. (July, 2007). 41st Congress of the International Society of Applied Ethology. Merida, Mexico.

Riber, A.B., **G.S. Archer**, J.A. Mench. Effects of environmental enrichment on activity and cannibalism in young Muscovy ducks. (July, 2007). 41st Congress of the International Society of Applied Ethology. Merida, Mexico.

Blatchford, R.A., J.A. Mench, P.S. Waknell, and **G.S. Archer**. The effect of light intensity on broiler behavior and leg health. (July, 2007). 2007 Joint Annual Meeting of the ADSA-PSA-AMPA-ASAS. San Antonio, Tx.

Mench, J.A., G. Fagerberg, and **G.S. Archer**. The effects of rearing broiler chickens under different light intensities on fear responses. (July, 2007). 2007 Joint Annual Meeting of the ADSA-PSA-AMPA-ASAS. San Antonio, Tx.

Archer, G.S., J.A. Mench, R.A Blatchford, H. L. Shivaprasad, G.M. Fagerberg, P.S. Wakenell. Lighting Programs for Broiler Chickens: Pre- and Post-Hatch Effects on Behavior, Health, and Productivity. (September, 2008). The American Society of Agricultural and Biological Engineers: The Eighth International Livestock Symposium, Iguassu Falls, Brazil.

Other Manuscripts

Archer, G.S. 2005. Improving Cow Comfort While Maintaining Producer Profits: A Review of the Dairy Industry. A literature review for Food Animal Concerns Trust.

Other Presentations

Archer, G.S. 2007. Effect of light duration during incubation of broiler chickens on posthatch behavior and health. Department of Animal Science Seminar Series.

Archer, G.S. 2008. Effect of light duration during incubation of broiler chickens on posthatch behavior and health. Incubation Meeting at National Poultry Expo., Atlanta, Ga.