

**Daniel R. Stein**

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Department of Animal Science  
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**Teaching**

ANSI 3443 Animal Reproduction  
ANSI 4900 Domestic Animal Behavior

**Extension**

Animal Breeding and Selection  
Reproduction

**Summary Curriculum Vitae****Educational Background**

Ph.D., Animal Breeding and Reproduction, Oklahoma State University, 2009  
M.S., Animal Science, Reproduction, Oklahoma State University, 2004  
B.S., Agriculture Ecology, Northwestern Oklahoma State University, 1978

**Teaching Experience**

Oklahoma State University, Lead Instructor; Animal Reproduction, 2006, 2007  
Northwestern Oklahoma State University, Instructor, (interim) Jan 2002 – May 2002  
Northwestern Oklahoma State University, Instructor Aug 1982 – May 1984

**Awards Related to Teaching**

Nominated for the 2009 K. Patricia Cross Future Leaders Award  
North American Colleges and Teachers of Agriculture (NACTA) Graduate Student Teaching Award, 2007  
OSU Gamma Sigma Delta Graduate Student Teaching Award, 2007

**Honors**

Outstanding Animal Science Ph.D. Graduate Student Award  
Outstanding Animal Science M.S. Graduate Student Award  
Golden Key International Honor Society

**Employment:**

**2009 – Present:**

Assistant Professor, Livestock Production, Oklahoma State University, Stillwater, OK

**2002 – 2009:**

Graduate Assistant, Oklahoma State University, Stillwater, OK

**Prior to 2002:**

Stein Angus Farm, Managing Partner and Personal Farming Operation, Cherokee, OK

- Management of a 375+ head registered Angus cowherd and embryo transfer program, including an annual production sale.
- Management of a personal 1400+ acre farming operation comprised of wheat, alfalfa and stocker cattle.

**Highlights**

- OBI Test 34, 2<sup>nd</sup> High Indexing Bull (tie), 2003
- Reserve Champion Angus Bull, Sr. Div., Houston Livestock Exposition, 2001
- OBI Test 063(1996), High ADG and High Indexing Bull and 3<sup>rd</sup> place Indexing Bull,
- SAF Buckshot Y05 leased to Integrated Genetic Management, Inc.
- Reserve Champion Angus Heifer, Jr. Div., Arizona National Livestock Show, 1987

**Publications**

- F.J. White, Kimball E.M., Wyman G., **Stein D.R.**, Ross J.W., Ashworth M.D., and Geisert R.D. 2009. Estrogen and Interleukin-1 $\beta$  regulation of trophinin, osteopontin, cyclooxygenase-1, cyclooxygenase-2, and interleukin-1beta system in the porcine uterus. Soc Reprod Fertil Suppl. 2009;66:203.
- Morgan D. Ashworth, Jason W. Ross, **Daniel Stein**, Frank White, Udaya DeSilva, Rodney D. Geisert. Endometrial Caspase 1 and Interleukin-18 expression during the oestrous cycle and peri-implantation period of pregnancy and response to early exogenous oestrogen administration I. Biology of Reproduction (2009).
- B.P. Holland, C.R. Krehbiel, G.G. Hilton, M.N. Streeter, D.L. VanOverbeke, J.N. Shook, D.L. Step, L.O. Burciaga-Robles, **D.R. Stein**, D.A. Yates, J.P. Hutcheson, W.T. Nichols and J.L. Montgomery. 2009. Effects of zilpaterol hydrochloride and zilpaterol hydrochloride withdrawal time on performance and carcass traits in finishing beef steers. J. Anim Sci. (2009).
- Ross, J.W., Asworth, M.D., **Stein, D.R.**, Couture, O.P., Tuggle, C.K., and Geisert, R.D. 2009. Identification of differential gene expression during porcine conceptus rapid trophoblastic elongation and attachment to the uterine luminal epithelium. Physiological Genomics 36: 140-148.
- Lehloenya, K.V., **Stein, D.R.**, Allen, D.T., Selk, G.E., Jones, D.A., Aleman, M., Mertz, K.J., Spicer, L.J. 2008. Effects of Feeding Yeast and Propionibacteria to Dairy Cows on Milk Yield and Components, and Reproduction. Journal of Animal Physiology and Nutrition, 92(2):190-202.

- Aleman, M., **D.R. Stein**, D.T. Allen, E. Perry, K.V. Lehloenya, T.G. Rehberger, K.J. Mertz, D.A. Jones, and L.J. Spicer. 2007. Effects of feeding two levels of Propionibacteria to dairy cows on plasma hormones and metabolites. *J Dairy Res.*, 74(2):146-53.
- Ashworth, M.D., Ross, J.W., Hu, J., White, F.J., **Stein, D.R.**, Desilva, U., Johnson, G.A., Spencer, T.E., Geisert, R.D. 2006. Expression of porcine endometrial prostaglandin synthase during the estrous cycle and early pregnancy, and following endocrine disruption of pregnancy. *Biol Reprod.*, 74(6):1007-15.
- Stein, D.R.**, Allen, D.T., Perry, E.B., Bruner, J.C., Gates, K.W., Rehberger, T.G., Mertz, K.J., Jones, D.A., Spicer, L.J. 2006. Effects of feeding propionibacteria to dairy cows on milk yield, milk components, and reproduction. *Journal of Dairy Science*, 89(1):111-125.
- Santiago, C.A., Voge, J.L., Add, P.Y., Allen, D.T., **Stein D.R.**, Malayer, J.R., Spicer L.J. 2005. Pregnancy-associated plasma protein-A and insulin-like growth factor binding protein mRNAs in granulosa cells of dominant and subordinate follicles of preovulatory cattle. *Dom Anim Endocrinol.*, 28(1):46-63.
- M.D. Ashworth, J.W. Ross, **D.R. Stein**, D.T. Allen, L.J. Spicer, R.D. Geisert. 2005. Endocrine Disruption of Uterine Insulin-Like Growth Factor (IGF) Expression in the Pregnant Gilt. *Reproduction*, 130:545-551.

### **OSU Extension Publications**

Mark Johnson, **Dan Stein**, David Buchanan, and Sally Northcut. *Beef Cattle Breeding*, Chapter 20 of the Oklahoma Beef Cattle Manual, Sixth Edition, pages 161-186, Oklahoma State University, 2008.

### **Memberships**

- Society for the Study of Reproduction
- American Society of Animal Science
- American Dairy Science Association
- Sigma Xi Research Society
- NACTA – National Association of College Teachers of Agriculture
- Gamma Sigma Delta Honor Society of Agriculture
- American Embryo Transfer Association