

# KAREN L. JONES, Ph.D.

Professor  
Southern Illinois University Carbondale (SIUC)

## Curriculum Vitae

### CONTACT INFORMATION

#### Work

SIUC-Animal Science  
1205 Lincoln Drive, MC 4417  
Carbondale, IL 62901

### EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Year Conferred</u>
Texas A&M University College Station, TX	Ph.D., Veterinary Physiology & Pharmacology (Concentration: Reproduction)	1999
	M.S., Veterinary Physiology & Pharmacology	1996
	B.S., Animal Science	1989

### ACADEMIC, ADMINISTRATIVE & PROFESSIONAL APPOINTMENTS

07/2018 - present	<b>Chair</b> of the Institutional Animal Care and Use Committee, SIUC.
06/2014 - 07/2015	<b>Co-Chair</b> of SIUC Farms.
08/2013 - 12/2019	<b>Chair and M.S. Graduate Studies Director</b> for the Department of Plant, Soil and Agricultural Systems (PSAS), SIUC.
12/2012 - 07/2014	<b>Director</b> of Ph.D. Graduate Studies, SIUC.
12/2010 - 06/2012	<b>Acting Associate Dean (Research) &amp; Director</b> of Ph.D. Program for the College of Agricultural Sciences, SIUC.
08/2010 - present	<b>Professor</b> , ASFN. As of July 1, 2020 in the School of Agricultural Sciences, SIUC.
12/2009 - 03/2011	<b>Interim Chair</b> for the Department of Animal Science, Food and Nutrition (ASFN), SIUC.
08/2005 - 08/2010	<b>Associate Professor</b> , ASFN, SIUC.
08/2004 - 07/2006	<b>Beef Center Supervisor</b> , SIUC.
08/2004 - 07/2006	<b>Beef Evaluation Station Supervisor</b> , SIUC.
08/1999 - 08/2005	<b>Assistant Professor</b> , ASFN, SIUC.

## **ADMINISTRATIVE AND PROFESSIONAL HIGHLIGHTS**

### **Chair of the Institutional Animal Care and Use Committee (IACUC), (7/2018 - present)**

The IACUC chair is responsible for coordinating committee oversight of vertebrate animals used in teaching, research and testing owned and housed on the SIUC campus.

Major Accomplishments and Responsibilities:

- Successfully hosted AAALAC site and accreditation review.
- Implemented designated member review process.
- Created anonymous reporting system.
- Created and updated IACUC policies including a policy for adopting dogs and cats used in research.
- Successfully ameliorated IACUC committee conflict.
- Developed corrective action plans for units in non-compliance.
- Performed facilities inspections and post-approval monitoring.
- Held monthly meetings to review proposals and conduct IACUC business.

### **Co-Chair of SIUC Farms (Term appointment), (6/2014 - 7/2015)**

A term co-chair administrative approach was devised for the administration of the 2,000 acre research and education laboratories. The co-chairs duties were roughly split between budgetary and personnel matters although both chairs were equally accountable in all matters. The co-chairs were charged with developing plans to improve operations leading toward financial and production sustainability while maintaining the research, teaching and outreach mission. The farm system is immediately adjacent to SIUC campus proper and is composed of agronomy, horticulture, livestock, and forest units.

Major Accomplishments and Responsibilities:

- Developed an advisory farm committee with representation from faculty, students, and a farm unit manager.
- Created organizational reporting pathways with clear duties and responsibilities.
- Assisted accounting staff in developing methodologies to better track expenditures and income.
- Empowered the interim farm director to facilitate a more harmonious working environment.
- Identified units that were fiscally challenged and moved them toward a path of sustainability.
- Developed a balanced budget for FY 2016.
- Developed materials used to counter a proposed 50% farm budget cut.

**Chair and M.S. Program Director for the Department of Plant, Soil and Agricultural Systems (PSAS), (8/2013 - 12/2019)**

The Chair was responsible for administration and management of the multi-disciplinary research programs, curricula, and service activities in the department.

**Major Accomplishments and Responsibilities:**

- Created a certificate program in response to cannabis legalization in Illinois.
- Worked with donor to create \$150,000 scholarship program.
- Approval to deliver PSAS academic programs at Belleville Research Station.
- Successfully advocated for the demolition of 60+ year old greenhouse.
- Coordinated successful crowd funding project with the Foundation to purchase LED plant grow lights and the conversion of laboratory to greenhouse space.
- Fiscal planning, budget management and fiscal officer of the PSAS state appropriation account that included lines for salaries and other-than-salaries.
- Fiscal officer research and contract accounts awarded to the PSAS faculty. The department receives approximately \$4-6 million/year.
- Fiscal officer on SIU Foundation accounts for the PSAS department.
- Annual faculty and staff performance reviews and workload assignments with no grievances filed.
- Conflict resolution between students, faculty, parents, and staff with no grievances filed.
- Conduct senior student exit interviews in preparation for assessment, accreditation reviews and self-studies.
- Coordinate faculty and staff hires.
- Participate with undergraduate and graduate student recruitment.
- Supported the creation of a teaching classroom at SIU farms and a compost facility.
- Hired 3 tenure track faculty, 3 non-tenure track faculty and numerous graduate and undergraduate students. Beta-test department for implementing Hire-Touch hiring system.
- Steered the department through catalog corrections for Degree Works compliance and state-wide community college articulation agreements.
- Supported the creation of School of Agricultural Sciences and College of Agriculture, Life and Physical Sciences.

**Director of Ph.D. Graduate Studies (20% appointment), (12/2012 - 7/2014)**

The Director of Graduate Studies for the College of Agricultural Sciences (COAS) was responsible for the administration of the multidisciplinary doctoral program. This position was formerly part of the Acting Associate Dean duties (position restructured Fall 2012).

**Major Accomplishments and Responsibilities:**

- Conceived, planned and hosted “Celebration of Innovation” graduate student recognition events.
- Created, planned and hosted the COAS Fall Festival poster and abstract competition.
- Created a direct entry admission pathway for students with a bachelor’s degree to the doctorate.
- Created an accelerated entry admission pathway for students currently enrolled in a College of Agricultural Sciences Master of Science program to the doctorate.
- Coordinated the selection of the COAS Doctoral program assistantship.
- Coordinated the selection of the Graduate School’s College of Agricultural Science Dissertation Research Award assistantship.
- Coordinated the review of admission applications.

**Acting Associate Dean (Research) & Director, (12/2010 - 6/2012)**

The Acting Associate Dean for the College of Agricultural Sciences was responsible for research development and administration, was the Director of Agricultural Research and Education Laboratories (AREL or University Farm and Forest), the Director of Graduate Studies as well as overall college administration. This position was restructured July 2012.

**Major Accomplishments and Responsibilities:**

- Oversaw and managed growing enrollment in the doctoral program.
- Assisted with budgeting and signature authority on the College of Agricultural Sciences \$6.4 million state account that included lines for salaries and other-than-salaries. Also had fiscal authority of the Illinois Soybean Center account and Foundation accounts.
- Authored the COAS Doctoral Program Self-Study and successfully represented the program through the inaugural program review. Planned, developed and created COAS Doctoral Student Handbook, strategic plan, and recruitment plan. Instituted a doctoral assistantship.

- Oversaw the activities of the Illinois Soybean Center including outreach activities, disbursement of grant solicitations, and graduate assistantships. Authored the Illinois Soybean Center Self-Study.
- Facilitated farm building reconstruction activities and Union Hill Road expansion project.
- Participated and assisted in the implementation of a faculty strike response plan.
- Successfully represented the College in the preparation of a state-wide Farm Bureau initiative to evaluate public research funding.
- Oversaw the production of the AgResearch Magazine which thematically highlights the research activities in the COAS.
- Coordinated with architects to create plans and renderings of a new Agriculture building.
- Participated and helped coordinate the bi-annual Ag Leadership Board meeting.
- Represented the COAS at local, regional, state and national leadership and constituency meetings and events.
- Liaison between animal farm units and the Animal Care and Use Committee.

**Interim Chair for the Department of Animal Science, Food and Nutrition (ASFN),  
(12/2009 - 3/2011)**

The Chair was responsible for administration and management of the multi-disciplinary research programs, curricula, and service activities in the department. The department houses three distinct majors including Animal Science, Human Nutrition and Dietetics, and Hospitality and Tourism Administration. The department had approximately 350 undergraduate students and 30 graduate students.

**Major Accomplishments and Responsibilities:**

- Budgetary and fiscal officer authority on the Animal Science, Food and Nutrition \$1.4 million account that included lines for salaries and other-than-salaries.
- Performed written and oral annual faculty and staff performance reviews.
- Made annual assignment of faculty and staff workloads.
- Conducted conflict resolution between students, faculty, parents, and staff.
- Coordinated faculty retreats to revise departmental operating papers.
- Conducted departmental-level leadership board meetings.
- Coordinated 10 faculty and staff hires.
- Participated in recruitment activities at local, regional and international levels.
- Facilitated Memorandums of Understanding with Universities in Brazil concerning research and education opportunities and exchanges.
- Oversaw program accreditation reviews.
- Trained and transitioned department into a new student registration system.
- Coordinated remodeling of Quigley building Room 211 into a computer lab.

- Coordinated, approved, and advanced through the SIUC system updated course descriptions, and program extensions including the first SIUC online non-degree (certificate) program and new M.S. in Hospitality and Tourism Administration.

### **Beef Center Supervisor, (8/2004 - 7/2006)**

The Beef Center Supervisor worked with the Animal Science, Food and Nutrition Chair, Associate Dean, and Director of Field Operations to administer 300 acres of pasture, 96 head feedlot, and 80 head cow-calf operation. The Beef Center Supervisor developed annual and 5-year plans that provided direction for sound fiscal operation while providing for the teaching, research, and service mission of the unit.

Major Accomplishments:

- Increased calving rate and weaning weights.
- Increased revenue by reducing labor costs, implementing a vigorous herd health plan, reducing use of harvested feed, and using animals with better genetic merit.

### **Beef Evaluation Station Supervisor, (8/2004 - 7/2006)**

The Beef Evaluation Station Supervisor administered the largest outreach activity in the department. The station had a capacity for 72 weaned bulls that were performance evaluated for 128 days for feed conversion and average daily gain using the Calan Broadbent Feeding System. The Supervisor was responsible for soliciting consignors, providing monthly performance reports, coordinating breeding soundness exams, and carcass ultrasound evaluations. The Supervisor was also responsible for coordinating a public auction and all financial and transfer of ownership transactions pertaining to the sale.

Major Accomplishments:

- Increased bull consignments from approximately 50 to 72 with a waiting list.
- Decreased costs of bulls on test from approximately \$1100 to \$700.
- Implemented marketing efforts to attract new consignors and buyers.
- Published a manuscript using data collected from the bull testing station.

## **PROFESSIONAL DEVELOPMENT**

I-Care Train the Trainer		2019
Beef Quality Assurance (BQA)	Cow/calf, Stocker, Feedlot	2018
CitiPrograms	Conflicts of Interest	2018

IACUC Chair	2018
IACUC Chairs, Members and Coordinators	2018
Post-Approval Monitoring	2018
SIUC Animal Care/Reducing Pain and Distress	2018
Working with Cattle in a Research Settings	2018
Working with Mice in Research	2018
Working with Rats in Research Settings	2018
Working with the IACUC	2018
The Clery Act and Campus Security Authorities	2018-present
Preventing Discrimination and Sexual Violence: Titled IX, VAWA and Clery Act	2017-present
State of Illinois Ethics Training for University Employees	2016-present
Safe Zone (LGBTQ+) Training	2016
APS/APLU Diversity and Inclusion Workshop	2016
Washington University, Olin Business School-Executive Education	
Motivating People	2015
Transformative Leadership Coaching	2015
Higher Education Resource Service (HERS) Leadership Institute-Bryn Mawr	2014
SkillPath Seminars                      Excelling as a Manager or Supervisor	2011
SIUC Chemical & Laboratory Safety Training (annual)	2009-present

## AWARDS

### Research, Teaching and Professional Awards

- Southern Illinois University Faculty and Staff Excellence Award Program, The Woman of Distinction Award, 2012.
- SIUC University Professional Advancement, Administrative/Professional Woman of Distinction, 2012.
- SIUC's College of Agricultural Science's Outstanding Advisor, 2009.
- SIUC Excellence through Commitment Awards Program. Outstanding Teacher, 2009.
- SIUC College of Agricultural Sciences Teaching Excellence, 2009.
- SIUC's College of Agricultural Science's Faculty Service Award, 2005.
- Distinguished Faculty Award presented by the SIUC's Undergraduate Student Government, 2001.

## GRANTS (over \$2 million total)

Research Grants (~\$837,000 total)

- Pense, S. L., J. Calvin, and **K. Jones**. 2012. Students recruiting students into Illinois Agriculture teacher education programs. Illinois University Council for career and Technical Education: Awards for Innovations. \$7,500. 1 yr.
- Gastal, E.L., S. S. King, **K. L. Jones**, M. O. Gastal. 2010. The Mare as a Model to Study Ovarian Preovulatory Follicle Changes. Faculty Seed Grant, Office of Research Development and Administration, Southern Illinois University Carbondale, Carbondale, IL. \$22,448.68.
- Winters, T., **K. Jones**, J. Garvey, B. Small. 2009. "Startup Support for Sturgeon Caviar Research at SIUC." Illinois Soybean Association. \$89,287. 3 years.
- King, S. S., **K. L. Jones**. 2007. Can omega-3 fatty acids reduce stress in horses? Illinois Equine Industry Research and Promotion Board. \$24,100. 2 years.
- **Jones, K. L.** 2007. Can a herb restore performance in fescue fed cattle? Illinois C-FAR, Internal Competitive Grants Program. \$20,000. 1 year.
- Atkinson, R., P. Walker, **K. L. Jones**. 2007. Effect of distiller's grains on beef cow dystocia and conception. Illinois C-FAR External Competitive Grants Program. \$115,248. 2 years.
- King, S. S., **K. L. Jones**. 2006. Stress and the single mare: Can nerves control reproduction? Illinois Equine Research and Promotion Board. \$8,830. 18 months.
- **Jones, K. L.** 2006. How healthy is pasture-fed beef? Illinois C-FAR, Internal Competitive Grants Program. \$5,000. 1 year pilot.
- AbuGhazaleh, A. A., **K. L. Jones**. 2006. Enhancing the nutritional value of milk by boosting its omega-3 fatty acids content. Illinois Council for Food and Agricultural Research. \$128,279. 3 yr.
- AbuGhazaleh, A. A., **K. L. Jones**. 2006. Consumer acceptance of CLA enhanced milk products. Illinois Council for Food and Agricultural Research. 2 yr. (combined with above grant).
- **Jones, K. L.**, S. S. King. 2005. Detection of FSH receptors in equine ovaries. Illinois Department of Agriculture. \$5,000. 1 yr.
- King, S. S., **K. L. Jones**. 2005. Obstacles to reproduction in the racehorse-Season, stress and fescue. Illinois Department of Agriculture. \$10,000. 1 year
- King, S. S., **K. L. Jones**. 2005. Effects of Omega 3 Fatty Acid Supplementation on Reproduction in the Mare. United Feeds. \$16,990. 1 yr.
- **Jones, K. L.**, S. S. King, G. A. Apgar, D. L. Cross, P. L. Burns. 2004. How much domperidone is needed to treat cows suffering from fescue toxicosis? Illinois Council for Food and Agriculture Research. \$40,000. 2 yr.
- King, S. S., **K. L. Jones**. 2004. Fatty acid profiles in mares receiving supplemented fish-oil diets. United Feeds. \$8,500. 1 yr.

- King, S. S., **K. L. Jones**. 2004. Cause and treatment of fescue-associated subfertility in cycling mare. Illinois Department of Agriculture. \$25,000. 1 yr.
- **Jones, K. L.**, King S S. 2003. Identification of dopamine and dopamine receptors in mare ovaries: Components of a mechanism disrupted by Tall Fescue consumption. Office of Research and Development Administration. \$4,600. 1 yr.
- **Jones, K.**, S. King. 2001. Fescue Toxicosis associated reproductive loss in Cattle. Illinois C-FAR, Internal Competitive Grants Program. \$38,000. 2 yr.
- Apgar G., **K. Jones**, K. Griswold, D. Lightfoot. 2001. An evaluation of the safety of a genetically modified corn: A porcine model. Illinois C-FAR, External Competitive Grants Program. \$123,000. 2 yr.
- **Jones, K.** 2000. Faculty Summer Research Fellowship. \$5500. 1 mo.
- **Jones, K.** 2000. University Women's Professional Advancement. \$588. 1 yr.
- **Jones, K.** 2000. Gene Expression in Cloned Bovine Fetuses. C-FAR, Internal Competitive Grants Program. \$50,000. 2 yr.
- **Jones, K.** 2000. Gene Expression in Cattle Produced by Nuclear Transplantation. Southern Illinois University-Office of Research and Development. \$28,002. 2 yr.
- **Jones, K.**, K. Griswold. 2000. Measurement of DNA methylation in donor cells: a tool for predicting livestock cloning success. Illinois C-FAR, External Competitive Grants Program. \$58,437. 2 yr.

#### *Other Research-related Income*

- \$2,000 seed money from SIUC, 2020.
- \$2,500 from Mahlon Smith for Beef Cattle reproduction research, 2008.
- \$1,000 from Dr. Dee Cross for analytical services, 2005.

#### Teaching and Training Grants (~\$1,235,000 total)

- Pfaff, V., **Jones, K.L.** 2015. Sponsor of an i2i Scholar. \$1500.
- Hamilton, A. **Jones, K. L.** 2014. Sponsored a McNair's Scholar. \$500.
- **Jones, K. L.** 2014-2015. Sponsor of REACH training grant (Hannah Suitt). \$8700.
- Renzaglia, K. Seymour, R., Chevalier, L., **Jones, K.** 2012-2017. SIUC McNair Scholar's Program. US Department of Education. \$1,144,000.
- **Jones, K. L.** 2013. SIUC Honor's Program for the course "Sustainable Agriculture." \$3591.
- **Jones, K. L.** 2010. SIUC Teaching Grant. \$3,000.
- **Jones, K. L.** 2009-2010. Undergraduate Assistantship (Sarah Claytor). \$3000.
- **Jones, K. L.** 2008-2009. Undergraduate Assistantship (Todd Marlo). \$7200.
- **Jones, K. L.** 2007-2008. Sponsor of REACH training grant (Jamie Douglass). \$8700.
- **Jones, K. L.** 2007-2008. Sponsor of REACH training grant (Russell McKeith). \$8700.
- **Jones, K. L.** 2007-2008. Undergraduate Assistantship (Todd Marlo). \$7200.

- **Jones, K. L.** 2006-2007. Undergraduate Assistantship (Russell McKeith). \$7200.
- **Jones, K. L.** 2006. 1-month salary support to develop Genetics Laboratory. \$7500.
- **Jones, K. L.** 2005-2006. Undergraduate Assistantship (Myla Munro) \$7200.
- **Jones, K. L.** 2003-2004. Undergraduate Assistantship (Candis McCleary) \$7200.
- **Jones, K. L.** 2002-2003. Undergraduate Assistantship (Elizabeth Dille) \$7200.
- **Jones, K. L.** 2000, 2004. Supervised Chancellor's undergraduate research projects:
  - Molly Comiskey. \$1500.
  - Gary Forsee. \$1500.
  - Candis McCleary. \$1500.

## TEACHING

### Courses Taught

- Introduction to Agricultural Communications. AGSE 180 undergraduate level.
- Agricultural Sciences-Teaching and Research Communications. AGSC 550 doctoral level.
- Agricultural Sciences Seminar. AGSC 581 doctoral level.
- Animal Reproduction. ANS 431 (lab) undergraduate/graduate level.
- Advanced Animal Physiology-reproduction. ANS 531a graduate level.
- Advanced Animal Physiology-developmental physiology. ANS 531b graduate level. University Honors-Sustainable Agriculture. UHON 390. University Honors students.
- Agriculture 388-International Studies in Agriculture. AGRI 388. Puerto Rico Study Abroad.
- Agriculture 481-International Agriculture Seminar.
- Introduction to Ag Biotechnology. ANS433/PLSS 433 undergraduate/graduate level.
- Beef Cattle Management. ANS 485 undergraduate/graduate level.
- Equine Physiology. ANS 409. Undergraduate/graduate level.
- Animal Biotechnology Seminar. ANS 435 undergraduate/graduate level.
- Animal Physiology-Development (embryology). ANS 531b graduate level.
- Animal Breeding and Genetics. ANS 332 undergraduate level.
- Animal Physiology, Growth and Development. ANS 331 undergraduate level.
- Animal Products and Processing. ANS 210 undergraduate level.
- Animal Science Seminar ANS 381 undergraduate level.
- Introduction to Animal Science. ANS 121 undergraduate level, guest lecturer
- Introduction to Animal Science labs (1-2 labs/semester). ANS 122 undergraduate level.
- Animal Nutrition. ANS 215 undergraduate level.
- Agriculture 101/UCOL 101. Guest lecturer.

- Stable Management. ANS 419. Guest lecturer.
- Agribusiness Statistical Methods. ABE 318 undergraduate level. Substitute lecturer.

## RESEARCH

### Refereed Publications

34. Lakhssassi, N., Sarbottam P., Sadia, B., Shiming, L., Zhou, Z., Bergounioux, C., Long, M., Meksem, J., Lakhssassi, A., **Jones, K.**, Abdelmajid, K., Benhamed, M., Bendahmane, Lambert, K., Boualem, A., Hewezi, T., Meksem, K. 2020. A pathogenesis related protein GmPR08-Bet VI promotes a molecular interaction between the GmSHMY08 and GmSNAP18 in resistance to *Heterodera glycines*. Plant Biotechnology Journal. <https://onlinelibrary.wiley.com/doi/pdf/10.1111/pbi.13343> .
33. Oberhaus, E., **Jones K. L.**, King S. S. 2015. Immunohistochemical localization of prolactin receptors within the equine ovary. J. Equine Vet Sci. 35(1):7-12.
32. Haag K. T., Magalhães-Padilha D. M., Fonseca G. R., Wischral A., Gastal M. O., King S. S., **Jones K. L.**, Figueiredo J. R., Gastal E. L. 2013. *In vitro* culture of equine preantral follicles obtained via the Biopsy Pick-Up method. Therio. 79(6):911-917.
31. Haag K. T., Magalhães-Padilha D. M., Fonseca G. R., Wischral A., Gastal M. O., King S. S., **Jones K. L.**, Figueiredo J. R., Gastal E. L. 2013. Equine preantral follicles obtained via the Biopsy Pick-Up method: histological evaluation and validation of a mechanical isolation technique. Therio. 79(5):735-743.
30. Haag K. T., Magalhães-Padilha D. M., Fonseca G. R., Wischral A., Gastal M. O., King S. S., **Jones K.L.**, Figueiredo J. R., Gastal E. L. 2013. Quantification, morphology, and viability of equine preantral follicles obtained via the Biopsy Pick-Up method. Therio. 79(4):599-609.
29. Faulkner, M. J., P. M. Walker, R. L. Atkinson, L. A. Forster, **K. L. Jones**, and J. M. Carmack. 2012. Effects of reduced fat, modified wet distiller's grain with solubles on the performance of limit-fed beef cows. Prof Anim Sci. 28:604-611.
28. Magalhães-Padilha, D. M., G. R. Fonseca, K. T. Haag, A. Wischral, M. O. Gastal, **K. L. Jones**, J. Geisler-Lee, J. R. Figueiredo, and E. L. Gastal. 2012. Long-term *in vitro* culture of ovarian cortical tissue in goats: effects of FSH and IGF-I on preantral follicular development and FSH and IGF-I receptors mRNA expression. Cell Tissue Res. 350:503-511.
27. Gudla, P. A. A. AbuGhazaleh, A. Ishlak, **K. Jones**. 2012. The effect of level of forage and oil supplement on biohydrogenation intermediates and bacteria in continuous cultures. Anim Feed Sci Tech. 171:108-116.

26. Potu, R. B., A. A., AbuGhazaleh, D. Hastings, **K. Jones**, and S.A. Ibrahim. 2011. The effect of lipid supplements on ruminal bacteria in continuous culture fermenters varies with the fatty acid composition. *J Microbio.* 49(2):216-223.
25. King, S. S., E. A. Dille, T. Marlo, J. F. Roser, and **K. L. Jones**. 2010. Ovarian prolactin activity: Evidence of local action and production. *Anim Reprod Sci.* 121S:51-53.
24. King, S. S., B. L. Douglas, J. F. Roser, W. J. Silvia, and **K. L. Jones**. 2010. Differential luteolytic function between the physiological breeding season, autumn transition and persistent winter cyclicity in the mare. *Anim Reprod Sci* 117:232-240.
23. Atkinson, R., D. R. Sanders, **K. L. Jones**, I. J. Altman. 2010. An evaluation of purebred bull pricing: Implications for beef herd management. *Amer Soc Farm Man Appraisers J.* 235-243  
([http://portal.asfmra.org/userfiles/file/337\\_Altman\(1\).pdf](http://portal.asfmra.org/userfiles/file/337_Altman(1).pdf))
22. **Jones, K. L.**, and S.S. King. 2009. Effect of domperidone supplementation of fescue fed heifers on plasma and follicular fluid fatty acid composition and oocyte quality. *J AnimSci* 87:2227-2238.
21. Holmer, S. F., R. O. McKeith, D. D. Boler, A. C. Dilger, J. M. Eggert, D. B. Petry, F. K. McKeith, **K. L. Jones**, and J. Killefer. 2009. The effect of pH on the shelf life of pork during aging and simulated retail display. *Meat Sci.* 82:86-93.
20. **Jones, K. L.**, J. L. Schulze, J. R. Strickland, D. L. Cross, P. Burns, R. M. Gilley, K. B. Hart, D. L. Thompson, and S. S. King. 2008. Evaluation of domperidone dosages and delivery methods for the treatment of fescue toxicosis in beef heifers. *Prof Anim Sci.* 24:342-348.
19. King S. S., J. F. Roser, and **K. L. Jones**. 2008. Follicular fluid prolactin and the periovulatory prolactin surge in the mare. *J Equine Vet Sci.* 28:468-472.
18. King, S. S., J. F. Roser, D. L. Cross, and **K. L. Jones**. 2008. Dopamine antagonist affects luteal function but not cyclicity during the autumn transition. *J Equine Vet Sci.* 28:345-350.
17. King S. S., A. AbuGhazaleh, S. K. Webel, and **K. L. Jones**. 2008. Circulating fatty acid profiles in response to three levels of dietary omega-3 fatty acid supplementation in horses. *J Anim Sci.* 86:1114-1123.

16. King S. S., **K. L. Jones**, B. A. Mullenix and D. T. Heath. 2007. Seasonal relationships between dopamine D1 and D2 receptor and equine FSH receptor mRNA in equine ovarian epithelium. *Anim Reprod Sci.* 108:259-266.
15. Lightfoot, D. A., R. Mungur, R. Ameziane, S. Nolte, L. Long, K. Bernhard, A. Colter, **K. Jones**, M. J. Iqbal, E. Varsa, and B. Young. 2007. Improved drought tolerance of transgenic *Zea mays* plants that express the glutamate dehydrogenase gene (*gdhA*) of *E. coli*. *Euphytica.* 156:103-116.
14. Beagle, J., **K. L. Jones**, K. E. Griswold, D. Lightfoot, and G. A. Apgar. 2006. The digestive fate of Escherichia coli glutamate dehydrogenase deoxyribonucleic acid from transgenic corn in diets fed to weanling pigs. *J Anim Sci.* 84:597-607.
13. King, S. S., S. A. Speiser, S. A., **K. L. Jones**, G. A. Apgar, and S. E. Wessels. 2006. Equine spermatozoal motility and fertility associated with the incorporation of D(+)-mannose into semen extender. *Therio.* 65:1171-1179.
12. King, S. S., A. G. Campbell, E. A. Dille, J. F. Roser, L. L. Murphy, and **K. L. Jones**. 2005. Dopamine receptors in equine ovarian tissues. *J Dom Endo.* 28:405-415.
11. **Jones, K. L.**, J. Harty, M. J. Roeder, T. A. Winters, and W. J. Banz. 2005. *In vitro* effects of soy phytoestrogens on rat L6 skeletal muscle cells. *J Med Foods.* 8: 327-331.
10. **Jones, K.L.**, and K.D. Tarochione-Utt. 2004. DNA methylation in bovine adult and fetal fibroblast cells. *Cloning Stem Cells.* 6:229-236.
9. **Jones, K. L.**, C. R. McCleary, S. S. King, G. A. Apgar, and K. E. Griswold. 2004. Consumption of toxic fescue impairs bull reproductive parameters. *Prof Anim Sci.* 20:437-442.
8. **Jones, K. L.**, S. S. King, and M. J. Iqbal. 2004. Endophyte-infected tall fescue diet alters gene expression in heifer luteal tissue as revealed by interspecies microarray analysis. *Mol Reprod Dev.* 67:154-161.
7. Apgar, G. A., K. E. Griswold, **K. L. Jones**, J.S. Radcliffe, T.A. Guthrie, and R.D. Arthur. 2003. Dietary phosphorus removal with and without microbial phytase addition for growing finishing pigs. *Prof Anim Sci.* 19:312-316.
6. **Jones K. L.**, S. S. King, K. E. Griswold, D. Cazac, and D. L. Cross. 2003. Domperidone can ameliorate deleterious reproductive effects and reduced weight gains associated with fescue toxicosis in heifers. *J Anim Sci.* 81:2568-2574.

5. Schrader, A. D., M. J. Iqbal, and **K. L. Jones**. 2003. Gene expression in cloned bovine fetal liver. *Cloning Stem Cells*. 5:63-69.
4. **Jones, K. L.**, J. Hill, T.-Y. Shin, L. Lui, and M. Westhusin. 2001. DNA hypomethylation of karyoplasts for bovine nuclear transplantation. *Mol Reprod Dev*. 60:208-213.
3. Hill J. R., R. C. Burghardt, **K. Jones**, C. R. Long, C. R. Looney, T. Shin, T. E. Spencer, J. A. Thompson, Q. A. Winger, and M. E. Westhusin. 2000. Evidence for placental abnormality as the major cause of mortality in first trimester somatic cell cloned bovine fetuses. *Biol Reprod*. 63:1787-1794.
2. De Sousa, P. A., Q. Winger, J. R. Hill, **K. Jones**, A. J. Watson, and M. E. Westhusin. 1999. Reprogramming of fibroblast nuclei after transfer into bovine oocytes. *Cloning*. 1:63-69.
1. Shultz, G. A., M. B. Harvey, A. J. Watson, M. Y. Arcellana-Panlilio, **K. Jones**, and M. E. Westhusin. 1996. Regulation of early embryonic development by growth factors: Growth factor gene expression in cloned bovine embryos. *J Anim Sci*. 74 (Supplement 3):50-57.

#### Article in Non-Refereed Professional Publication

- Jones, K. L.** Nuclear reprogramming during animal cloning. September 2001. International Embryo Transfer Society Newsletter.

#### Refereed Extended Abstracts

- King, S. S., A. Maiero, T. Marlo, J. F. Roser, S. K. Webel, and **K. L. Jones**. 2009. The effect of omega-3 fatty acid supplementation on Cortisol and prolactin in response to common stressors in horses. *Equine Sci Soc. Keystone, CO*. May 2009. Abstract #31745. *J. Equine Vet Sci*. 29:421-422.
- Heath D. T., C. M. Welsh, **K. L. Jones**, and S. S. King. Immunohistochemical localization of the dopamine D2 receptor in ovarian tissues during anestrous and cyclicity. *Equine Sci Soc. Hunt Valley, MD*. June 2007. Abstract # 61.
- Welsh C. M., D. T. Heath, **K. L. Jones**, and S. S. King. Immunohistochemical identification of dopaminergic and adrenergic nerves in the equine ovary. *Equine Sci Soc. Hunt Valley, MD*. June 2007. Abstract #62.

- King, S. S., **K. L. Jones**, J. F. Roser, L. G. Nequin, L. L. Murphy, and A. G. Campbell. 2002. Evidence for a local dopamine-driven ovarian regulatory system in the mare. *Therio*. 58:619-622.
- King, S. S., M. L. Mallar, L. G. Nequin, J. F. Roser, **K. L. Jones**, and D. L. Cross. 2001. Evidence against dopaminergic influence over the fall transition. *Proc 17<sup>th</sup> Equine Nutr Phys Soc Symp.* pp. 298-300. Lexington, KY.
- Speiser, S. A., S. S. King, L. G. Nequin, and **K. L. Jones**. 2001. Equine spermatozoal motility associated with the incorporation of mannose into semen extender. *Proc 17<sup>th</sup> Equine Nutr Phys Soc Symp.* pp. 75-76. Lexington, KY.
- Johnson-Wessels, S. E., S. C. Morgan, S. S. King, L. G. Nequin, and **K. L. Jones**. 2001. Fertility rates associated with incorporation of mannose into semen extender. *Proc 17<sup>th</sup> Equine Nutr Phys Soc Symp.* pp. 71-72. Lexington, KY.
- Christiansen, M. L., S. E. Johnson-Wessels, S. S. King, L. G. Nequin, and **K. L. Jones**. 2001. Prevention or treating endometrial *Streptococcus zooepidemicus* infection with D-(+)-mannose *in vivo*. *Proc 17<sup>th</sup> Equine Nut Phys Soc Symp.* pp. 73-74. Lexington, KY.

#### Gene Expression Omnibus (GEO) Microarray Submissions

- Iqbal, M. J., and **K. L. Jones**. Toxicosis induced by endophyte infected fescue seed, single channel nucleotide count. GEO accessions GSM8662-GSM8670, GPL 368, and GSE 566. (11 submissions).

## ENGAGEMENT

### Community Service

- Kiwanis Club of Carbondale, 2017-present, past-president 2018.

### Professional Associations

- NARRU Board of Directors, APLU Board on Agriculture Assembly, Budget and Advocacy Committee, 2015-present
- Chair, SERAIG-8 Tall Fescue Society, 2012
- Sigma Xi (The Scientific Research Society of North America)
- American Society of Animal Science
- International Embryo Transfer Society
- Equine Nutrition and Physiology Society
- The Society for the Investigation of Early Pregnancy

### Evaluation of Manuscripts for Journals and of Grant Proposals for Agencies

- Ad Hoc reviewer, USDA. Animal Reproduction
- Ad Hoc reviewer, NSF. Microbial Genome Sequencing Program
- Reviewer, Journal of Animal Science
- Reviewer, Biology of Reproduction
- Reviewer, Theriogenology
- Reviewer, International Embryo Transfer Society
- Reviewer, Reproductive Biology
- Reviewer, In Vitro Cellular and Developmental Biology – Animal

### *Departmental*

- Animal Science, Food and Nutrition Department's Promotion and Tenure Committee. 2005-2013.
- Animal Science, Food and Nutrition Department's Animal Science Graduate Policy Committee, Chair, 2006-2010. Graduate Student Manual written 2007. Annual assessment reports.  
Animal Science, Food and Nutrition Department's Professor and Chair Search Committee, Chair, 2004, 2005, 2006, 2007.
- Animal Science, Food and Nutrition Department's Beef Nutritionist Faculty Search Committee, Chair, 2004, 2005.
- Animal Science, Food and Nutrition Department's Dairy Faculty Position Search Committee, 2004.
- Animal Science, Food and Nutrition Department's Biotechnology Strategic Faculty Hire Search Committee, 2004.
- Animal Science, Food and Nutrition Department's Animal Science Graduate Program Committee, 2000-2005.
- Animal Science, Food and Nutrition Department's Science and Pre-Vet Specialization Academic advisor, 1999-2013. ☐ Pre-Vet Club Advisor 1999-present.
- Animal Science, Food and Nutrition Department's Library Committee, Chair, 2001-2010.
- Animal Science, Food and Nutrition Department's Academic Quadrathlon, Judge, 2000.

### *College and University*

- Department of Public safety advisory committee, 2020.
- Chancellor search committee, 2019-2020.
- Institutional Animal Care and Use Committee chair, July 2018-present.
- Graduate Council Executive Committee member, August 2018-present.
- Graduate Council, Research Subcommittee chair, August 2018-present.

- SIUC Business Office Efficiencies Committee-Human Resources practices, August 2018-2019.
- SIUC Faculty Association Bargaining team (for administration), 2014-2016.
- Southern Illinois University Carbondale's Complementary Practices and Academic Efficiencies Task Force, 2012.
- Southern Illinois University Carbondale's Radiological Control Committee. 2006-2011.
- Southern Illinois University Carbondale's Chemical Oversight Advisory Committee. 2007-present.
- College of Agricultural Science's Agbassador Selection Committee. 2007, 2011, 2012, 2017.
- College of Agricultural Science's Associate Dean for Research Search Committee, 2008.
- College of Agricultural Science's Faculty Policy Committee, 2008-2010; ad hoc 2011.
- Southern Illinois University Carbondale's Faculty Senate, proxy, Fall 2008.
- Southern Illinois University Carbondale's Week of Welcome, volunteer, 2007, 2011, 2015, 2016, 2017, 2018.
- College of Agricultural Science's Dean's Administrative Council, 2004-2006; 2008-2019.
- Southern Illinois University Carbondale's Graduate Council, 2004-2006; 2017-present.
- Southern Illinois University Carbondale's Undergraduate Research Advisory Committee, 2004.
- Southern Illinois University Carbondale's Chancellor's Advisory Committee, "Southern at 150," Student Life subcommittee, 2002.
- College of Agriculture's Standing Committee for Educational Policy. 2001-2004.
- Southern Illinois University Carbondale's Master's Fellowship Program Selection Committee, 2001, 2002, 2003.
- Southern Illinois University Carbondale's Saluki Finals Finish, 2001.
- College of Agriculture's Standing Committee for Information Technology Policy. 2000-2003, 2007.
- Southern Illinois University Carbondale's Molecular and Cellular Biology Organizational Committee, 2000-2007.