

## Curriculum Vitae

# KAREN L. JONES, Ph.D.

Professor & Chair

Southern Illinois University Carbondale

### CONTACT INFORMATION

#### Home

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#### Work

Plant, Soil and Agricultural Systems  
1205 Lincoln Drive, MC 4415  
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kljones@siu.edu

### 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
Texas A&M University College Station, TX	M.S., Veterinary Physiology & Pharmacology	1996
Texas A&M University College Station, TX	B.S., Animal Science	1989

### PROFESSIONAL DEVELOPMENT

Higher Education Resource Service (HERS) Leadership Institute-Bryn Mawr Washington University, Olin Business School-Executive Education		2014
	Motivating People	2015
	Transformative Leadership Coaching	2015
SkillPath Seminars	Excelling as a Manager or Supervisor	2011
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
I-Care Train the Trainer	2019
State of Illinois Ethics Training for University Employees	2016-2019
Preventing Discrimination and Sexual Violence: Titled IX, VAWA and Cleary Act	2017-2019
The Clery Act and Campus Security Authorities	2018
SIUC Chemical & Laboratory Safety Training (annual)	2009-2019
Safe Zone (LGBTQ+) Training	2016
APS/APLU Diversity and Inclusion Workshop	2016

## **ACADEMIC, ADMINISTRATIVE & PROFESSIONAL APPOINTMENTS**

- 01/2014 – present:       **Chair** for the Department of Plant, Soil and Agricultural System, Southern Illinois University. Carbondale, IL.
- 07/2018 – present:       **Chair** of Institutional Animal Care and Use Committee.  
  
Southern Illinois University Carbondale, IL.
- 12/2012 – 07/2014:       **Director of Graduate Studies** for the College of Agricultural Sciences, Southern Illinois University. Carbondale, IL.
- 06/2014 – 07/2015:       **Co-Chair of SIUC Farms** for the College of Agricultural Sciences, Southern Illinois University. Carbondale, IL.
- 08/2013 – 12/2013:       **Interim Chair** for the Department of Plant, Soil and Agricultural System, Southern Illinois University. Carbondale, IL.
- 12/2010 – 06/2012:       **Acting Associate Dean** for the College of Agricultural Sciences, Southern Illinois University. Carbondale, IL.
- 12/2009 – 03/2011:       **Interim Chair** for the Department of Animal Science, Food and Nutrition, Southern Illinois University, Carbondale, IL.
- 08/2010 – present:       **Professor**, Animal Science, Food and Nutrition, Southern Illinois University. Carbondale, IL.
- 08/2005 – 08/2010:       **Associate Professor**, Animal Science, Food and Nutrition, Southern Illinois University. Carbondale, IL.

- 08/2004 – 07/2006: **Beef Center Supervisor**, College of Agricultural Science, Southern Illinois University. Carbondale, IL.
- 08/2004 – 07/2006: **Beef Evaluation Station Supervisor**, College of Agricultural Science, Southern Illinois University. Carbondale, IL.
- 08/1999 – 08/2005: **Assistant Professor**, Animal Science, Food and Nutrition, Southern Illinois University. Carbondale, IL.
- 09/1992 – 06/1999: **Graduate Assistant**, Veterinary Physiology. Texas A&M University. College Station, TX.
- 04/1992- 08/1992 **Laboratory Technician / Consultant**, TransOva Genetics. Sioux Center, IA.
- 04/1990 – 01/1991 **Laboratory Technician**, Granada BioSciences. College Station, TX.
- 09/1987 – 09/1989 **Police Officer**, Texas A&M University. College Station, TX.

## **ADMINISTRATIVE HIGHLIGHTS**

### **Chair (and Interim Chair) for the Department of Plant, Soil and Agricultural Systems (PSAS). College of Agricultural Science, Southern Illinois University. Carbondale, IL (08/2013 – present)**

The Chair is responsible for administration and management of the multi-disciplinary research programs, curricula, and service activities in the department. The Chair articulates and advances the goals of the department by developing and maintaining productive, synergistic working relationships. The Chair is committed to excellence in all academic endeavors consistent with the Department's, College's and University's Strategic Plans. The Chair works with the COAS Chief Development officer to acquire extramural funds. The Chair provides leadership in programmatic-related activities including recruitment, retention, and placement of students. The Chair encourages and facilitates scholarly research activity and professional development of faculty, staff, and students.

#### Major Accomplishments and Responsibilities:

- Created a certificate program in response to cannabis legalization in Illinois
- Approval to deliver PSAS academic programs at Belleville Research Station.
- Successfully advocated for the demolition of 60+ year old greenhouse.
- 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 compost facility.
- Coordinated successful crowd funding project with the Foundation to purchase LED plant grow lights.

**Chair of the Institutional Animal Care and Use Committee (IACUC) for SIUC (07/2018 - present)**

The IACUC chair is responsible for oversight of vertebrate animals used in teaching, research and testing owned and housed on the SIUC campus (includes some School of Medicine) based on federal standards.

**Major Accomplishments and Responsibilities:**

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

**Co-Chair of SIUC Farms (Term appointment) for the College of Agricultural Sciences, Southern Illinois University, Carbondale, IL (06/2014 - 07/2015)**

A term co-chair administrative approach was devised spring 2014 for the SIUC farm system. The co-chairs, composed of the chair of Plant, Soil and Ag Systems and the chair of Animal Science, Food and Nutrition, were responsible 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, animal, and forest units.

**Major Accomplishments and Responsibilities:**

- Developed materials used to request reconsideration of a proposed 50% farm budget cut.
- Identified units that were fiscally challenged and moved them toward a path of sustainability. Developed a balanced budget for FY 2016.
- 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.

**Director of Graduate Studies (20% appointment) for the College of Agricultural Science, Southern Illinois University, Carbondale, Illinois (12/2012-7/2014)**

The Director of Graduate Studies for the College of Agricultural Sciences is responsible for the administration of the multidisciplinary doctoral program. This position was formerly part of the Acting Associate Dean duties that was 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 for the College of Agricultural Science, Southern Illinois University. Carbondale, IL (12/2010 – 06/2012)**

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 have signature authority on the College of Agricultural Sciences \$6.4 million state budget account that included lines for salaries and other-than-salaries.
- Budgeting and fiscal authority on the Illinois Soybean Center account. This account had a \$500,000 endowment. The Center operated off the endowment interest, a match from SIUC and an Illinois State appropriation line item. Expenditures were approved by executive committee.
- Assisted with budgeting and had signature authority on College and Departmental Foundation accounts.
- Assisted with budgeting and had signature authority on scholarship dollars raised by the SIUC Foundation.
- Authored the COAS Doctoral Program Self-Study and successfully represented the program through the inaugural 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, College of Agricultural Science, Southern Illinois University. Carbondale, IL (12/2009 – 03/2011)**

The Chair is 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.
- Coordinated class scheduling with registrar's office.
- 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 for the Department of Animal Science, Food and Nutrition, College of Agricultural Science, Southern Illinois University, Carbondale, IL (08/2004 - 07/2006)**

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 genetics.

**Beef Evaluation Station Supervisor for the Department of Animal Science, Food and Nutrition, College of Agricultural Science, Southern Illinois University, Carbondale, IL (08/2004 - 07/2006)**

The Beef Evaluation Station Supervisor administered the largest outreach activity in the department. The station has capacity for 72 weaned bulls that were performance evaluated 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.

## **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 SS. 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*

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

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

- Pfaff, V., **Jones, K.L.** Sponsor of an i2i Scholar. 2015. \$1500.
- Hamilton, A. **Jones, K.L.** Sponsored a McNair's Scholar. 2014. \$500.
- **Jones, K.L.** Sponsor of REACH training grant (Hannah Suitt). 2014-2015. \$8700.
- Renzaglia, K. Seymour, R., Chevalier, L., **Jones, K.** SIUC McNair Scholar's Program. US Department of Education. 10/1/2012-9/30/2017. \$1,144,000.
- **Jones, K.L.** SIUC Honor's Program for the course "Sustainable Agriculture." 2013. \$3591.
- **Jones, K.L.** SIUC Teaching Grant. 2010. \$3,000.
- **Jones, K.L.** Undergraduate Assistantship (Sarah Claytor). 2009-2010. \$3000.
- **Jones, K.L.** Undergraduate Assistantship (Todd Marlo). 2008-2009. \$7200.

- **Jones, K.L.** Sponsor of REACH training grant (Jamie Douglass). 2007-2008. \$8700.
- **Jones, K.L.** Sponsor of REACH training grant (Russell McKeith). 2007-2008. \$8700.
- **Jones, K.L.** Undergraduate Assistantship (Todd Marlo). 2007-2008. \$7200. ➤
- **Jones, K.L.** Undergraduate Assistantship (Russell McKeith). 2006-2007. \$7200.
- **Jones, K.L.** 1-month salary support to develop Genetics Laboratory. 2006. \$7500.
- **Jones, K.L.** Undergraduate Assistantship (Myla Munro) 2005-2006. \$7200.
- **Jones, K. L.** Undergraduate Assistantship (Elizabeth Dille) 2002-2003. \$7200.
- **Jones, K. L.** Undergraduate Assistantship (CandisMcCleary) 2003-2004. \$7200.
- **Jones, K. L.** Supervised Chancellor's undergraduate research projects:  
Molly Comiskey. 2000. \$1500.  
Gary Forsee. 2000. \$1500.  
CandisMcCleary. 2004. \$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.

Number of Master's and Ph.D. Committees served

- 45 total committees (M.S. and Ph.D.)
- 11 as chair (M.S.)
- 3 as co-chair (M.S.)

## RESEARCH

Refereed Publications

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 anestrus 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.

#### Oral Presentations

- Jones, K.L.** Illinois Junior Science and Humanities Keynote Speaker. Cloned Beef: It's what's for dinner. March 30, 2008.
- Jones, K.L.** CFAR day at the SIUC Bull Sale Barn. Fescue/domperidone update. Nov 14, 2006.
- Jones, K.L.** How healthy is pasture fed beef? Progress report. IL CFAR. May 3, 2006.
- Jones, K.L.** How much domperidone is needed to treat cows suffering from fescue toxicosis? Final report. IL CFAR. 2006.
- Jones, K.L.** Sangamon Beef Association. June 19, 2006.
- Jones, K.L.** Using and understanding fescue. Illinois Beef Association. July 22, 2005.



- Jones, K.L.** Fighting Fescue Toxicosis with Domperidone. Dixon Springs Field Day. Aug 4, 2005.
- Jones, K.L.** Dixon Springs Beef Day. September 8, 2005.
- Apgar, G. and **K.L. Jones**. The *aMAIZE*ing fate of *ghdA*+ corn in swine diets. Monsanto. Jan 31, 2005.
- Jones, K.L.** and S.S. King. Fescue toxicosis workshop. SIUC Ag Industry Day. April 23, 2005.

#### Technical Reports

- Jones, K.L.** 2006. Southern Extension Research Activity Information & Exchange Group (SERAIEG) - 8, Tall fescue toxicosis workshop. Illinois report. Fescue Research Update. Oct 15-17, 2006. Wildersville, TN
- Jones, K.L.** 2005. Southern Extension Research Activity Information & Exchange Group (SERAIEG) - 8, Tall fescue toxicosis workshop. Illinois report. Fescue Research Update. Oct 9-11, 2005. Wildersville, TN
- Jones, K.L.** 2004. Bulls fed wild-type endophytic fescue have impaired semen quality. Proc Southern Ext Res Act Inform Exchange Group 8. Wildersville, TN.
- Jones, K.L.**, M.J. Iqbal, S.S. King. 2003. Microarray analysis of endophyte-infected fed heifer luteal tissue. Proc Southern Ext Res Act Inform Exchange Group 8. p. 34. Wildersville, TN.
- Jones, K.L.**, S.S. King, K.E. Griswold, D. Cazac, and D.L. Cross. 2003. Domperidone can ameliorate deleterious reproductive parameters and weight gain reductions associated with fescue toxicosis in heifers. Proc Southern Ext Res Act Inform Exchange Group 8. p. 35. Wildersville, TN.
- Jones, K.L.**, S.S. King, and D.L. Cross. 2003. Fescue toxicosis associated reproductive loss in cattle. C-FAR Annual Report. 47.
- Jones, K.** 2002. Gene expression in cloned bovine fetuses. C-FAR Annual Report. 56-57.
- Jones, K.** and K.E. Griswold. 2001. Measurement of DNA methylation: A tool for predicting cloning success. C-FAR Annual Report.  
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Abstracts

- King, S., C. Bass, J. Roser, L. Murphy and **K. Jones**. 2012. Effects of dopamine agonist administration during seasonal cyclicity in the mare. *Endo Abstracts* 29: P979.
- 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. Histology vs. mechanical isolation of equine preantral follicles obtained via biopsy pick-up method. 8th International Symposium on Equine Embryo Transfer. Vancouver, BC, Canada. 2012. *J Equine Vet Sci.* 32 (7): 412. (*Oral presentation and abstract*).
- Haag, K.T., Magalhães-Padilha, D.M., Fonseca, G.R., Gastal, M.O., King, S.S., **Jones, K.L.**, Figueiredo, J.R., Gastal, E.L. Quantification, morphology and viability of equine preantral follicles obtained via Biopsy Pick-Up method. 9th Annual Research Town Meeting and Fair, Southern Illinois University, Carbondale, IL, USA. 2012. Abstract, pg. 21.
- Haag, K.T., Magalhães-Padilha, D.M., Fonseca, G.R., Gastal, M.O., King, S.S., **Jones, K.L.**, Figueiredo, J.R., Gastal, E.L. Quantification, morphology and viability of equine preantral follicles obtained via Biopsy Pick-Up method. Poster presented at 38th Annual Conference of the International Embryo Transfer Society. Phoenix, AZ, 2012.
- Faulkner, M. J., P. M. Walker, R. L. Atkinson, J. L. Veracini, L. A. Forster, J. M. Carmack and **K. L. Jones**. 2011. Effects of distillers grain supplementation on beef cow performance. *J Anim Sci.* 89 (E Suppl. 1): 359 (Abst. T272).
- Haag, K.T., D.M. Magalhaes-Padhilla, G.R. Fonseca, M.O. Gastal, S.S. King, **K.L. Jones**, J.R. Figueiredo, and E.L. Gastal. 2011. Quantification, morphology and viability of equine preantral follicles obtained via biopsy pickup method. *Reprod, Fert Dev.* 24(1) 174. Abstract #123.
- King, S.S., and **K.L. Jones**. Evidence for locally produced prolactin in the equine ovary. International Congress on Animal Reproduction. Budapest, Hungary. July 2008. Abstract # P235. *Reprod Dom Anim.* 43 (supplement 3): 106.
- Jones, K.L.**, and S.S. King. Fatty Acid Profiles and Oocyte Maturation from Endophyte-Infected Tall Fescue Fed Heifers. International Congress on Animal Reproduction. Budapest, Hungary. July 2008. Abstract # P054. *Reprod Dom Anim.* 43 (supplement 3): 45.
- McKeith, R.O., S.F. Holmer, D.D. Boler, J. Killefer, and **K.L. Jones**. Effect of pH on Hot Dog Characteristics. Rec Meat Conf. Gainesville, Florida. June 2008.

- Marlo, T., **K.L. Jones**, D. Hastings, H. Heath, and S.S. King. Evidence for Locallyproduced prolactin in equine ovaries. Amer Soc Anim Sci, Midwest section. Des Moines, IA March 17-19, 2008. Abstract #301.
- Douglas, J.M., and **K.L. Jones**. Effects of ergotamine-D-tartrate on bovine oocyte maturation: A proposed study. Amer Soc Anim Sci, Midwest section. Des Moines, IA March 17-19, 2008. Abstract #293.
- McKeith, R.O., S.F. Holmer, D.D. Boler, J. Killefer, and **K.L. Jones**. Effect of pH on Hot Dog Characteristics. SIUC Undergraduate Research Competition. March 31, 2008.
- Marlo, T., **K.L. Jones**, D. Hastings, H. Heath, and S.S. King. Evidence for Locallyproduced prolactin in equine ovaries. SIUC Undergraduate Research Competition. March 31, 2008.
- Douglas, J.M., and **K.L. Jones**. Effects of ergotamine-D-tartrate on bovine oocyte maturation: A proposed study. SIUC Undergraduate Research Competition. March 31, 2008.
- Douglas, J.M., and **K.L. Jones**. Effects of ergotamine-D-tartrate on bovine oocyte maturation: A proposed study. SIUC College of Agricultural Sciences Undergraduate Research Competition. April 12, 2008.
- McKeith, R.O., S.F. Holmer, D.D. Boler, J. Killefer, and **K.L. Jones**. Effect of pH on Hot Dog Characteristics. SIUC College of Agricultural Sciences-Undergraduate Research Competition. April 12, 2008.
- Marlo, T., **K.L. Jones**, D. Hastings, H. Heath, and S.S. King. Evidence for Locallyproduced prolactin in equine ovaries. SIUC College of Agricultural Sciences Undergraduate Research Competition. April 12, 2008.
- McKeith R.O., D.L. Hastings, and **K.L. Jones**. Do ergot alkaloids alter ruminal *E. coli* concentrations in an *in vitro* system? A proposed study. Midwest Animal Science Meeting. Des Moines, IA. March 2007. Abstract #342.
- McKeith R.O., and **K.L. Jones**. Hamburger from fescue fed cattle fed to humans reduces blood pressure. Midwest Animal Science Meeting. Des Moines, IA. March 2007. Abstract #338.
- McKeith, R.O., D.L. Hastings, and **K.L. Jones**. 2007. Do ergot alkaloids alter rumen *E. Coli* concentration in an *in vitro* system? A proposed study. Midwest ASAS. Des Moines, IA.
- King, S.S., **K.L. Jones**, B.A. Mullenix, D.T. Heath, K. Everson, and L.A. Arbogast. 2006. Do Catecholamines Affect Follicular Dynamics in Mares? 9<sup>th</sup> International Symposium on Equine Reproduction. Rolduc, The Netherlands.

- Beagle, J.M., G.A. Apgar, **K.L. Jones**, K.E. Griswold, X. Qui, and M.P. Martin. 2004. The digestive fate of the *gdhA* transgene in corn diets fed to weanling swine. Proc Amer Soc Anim Sci. St. Louis, MO. Abstract #913.
- Qui, X., G.A. Apgar, K.E. Griswold, J.M. Beagle, M.P. Martin, **K.L. Jones**, M.J. Iqbal, and D.A. Lightfoot. 2004. Digestive fate of a *gdhA* gene from a genetically modified corn fed to growing pigs. Proc Amer Soc Anim Sci. St. Louis, MO. Abstract #W66.
- King, S.S., **K.L. Jones**, E.A. Dille, and J.F. Roser. 2004. Prolactin receptors in the corpus luteum of mares. Int Cong AnimReprod. Puerto Seguro, Brazil. Abstract #142.
- Jones, K.L.**, S.S. King, and C.A. McCleary. 2004. Bulls fed endophytic fescue have impaired semen quality. Int Cong Anim Reprod. Puerto Seguro, Brazil. Abstract #A232.
- Iqbal, M.J., S.S. King, and **K.L. Jones**. 2004. Endophyte-infected tall fescue diet alters gene expression in heifer luteal tissue as revealed by interspecies microarray analysis. Proc Int Plant and Animal Genomes XII Conf. San Diego, CA. Abstract #P829.
- Dille, E. A., S.S. King, **K.L. Jones**, J.F. Roser, and C.A. Pearl. 2004. Possible dopaminergic mechanism regulating the equine corpus luteum. Reprod Fertil Dev. 16:267.
- Jones, K.L.**, S.S. King, K.E. Griswold, D. Cazac, and D.L. Cross. 2003. Domperidone administered to heifers can ameliorate deleterious reproductive parameters and weight gain reductions associated with ingesting endophyteinfected fescue. J Anim Sci. 81 (suppl 1):122.
- Dille, E.A., **K.L. Jones**, and S.S. King. 2003. Evidence for a dopaminergic mechanism regulating progesterone secretion in the bovine corpus luteum. SIUC Undergraduate Student Research Competition. Carbondale, IL.
- McCleary, C., and **K.L. Jones**. 2003. Fescue toxicosis effects on bull spermatozoa characteristics and fertilization rates in vitro: A proposed study. SIUC Undergraduate Student Research Competition. Carbondale, IL.
- McCleary, C., and **K.L. Jones**. 2003. Fescue toxicosis effects on bull spermatozoa characteristics and fertilization rates in vitro: A proposed study. Proc SIU 9<sup>th</sup> Ann Mol Cell Bio Sym. p. 27. Grafton, Illinois.
- Dille, E.A., S. S. King, and **K.L. Jones**. 2003. Evidence for a dopaminergic mechanism regulating progesterone secretion in the bovine corpus luteum. Proc SIU 9<sup>th</sup> Ann Mol Cell Bio Sym. p. 19. Grafton, Illinois.

- Harty, J., **K. Jones**, W. Banz, T. Winters, and M. Roeder. 2003. The effect of soy phytoestrogens on cultured skeletal and smooth muscle cells. Abstr 693.13, FASEB. 17(4, Part 2): A1111.
- Schrader, A.D., M.J. Iqbal, and **K.L. Jones**. 2002. Differential gene expression from liver of nuclear transfer fetuses at 45 days of gestation. Proc SIU 8<sup>th</sup> Ann Mol Cell Bio Sym. Grafton, Illinois.
- Harty, J., W. Banz, **K. Jones**, and M. Roeder. 2002. The effect of soy phytoestrogens on cultured skeletal and smooth muscle cells. Proc SIU 8<sup>th</sup> Ann Mol Cell Bio Sym. Grafton, Illinois.
- Sellitto, A.D., M.J. Iqbal, N.R. Henry, D. Murdach, R.J. Zachow, **K.L. Jones**, and T.A. Winters. 2002. The effect of soy bioactive compounds on porcine granulosa cell apoptosis: A proposed study. Proc SIU 8<sup>th</sup> Ann Mol Cell Bio Sym. Grafton, Illinois.
- Jones, K.L.**, T. Shin, and L. Liu. 2001. Analysis of donor cell DNA methylation as a predictor of blastocyst development after nuclear transplantation. Therio 55(1):272.
- Jones, K.**, K. Tarochione, and A. McKinzie. 2001. Methods of increasing the efficiency of nuclear transplantation. Proc SIU 7<sup>th</sup> Ann Mol Cell Bio Sym. Grafton, Illinois.
- Hill, J.R., Q.A. Winger, **K.L. Jones**, J.A. Thompson, R.C. Burghardt, and M.E. Westhusin. 1999. Serum starvation of bovine fetal fibroblasts prior to nuclear transfer increases *in vitro* development rates. Therio 51(1):204.
- Jones, K.L.**, and M.E. Westhusin. 1996. Effect of polyvinyl alcohol, bovine serum albumin fraction V, fetal calf serum and fetal calf serum plus bovine serum albumin fraction V on bovine embryo development. Therio 45(1): 205.
- Jones, K.L.**, J.A. Piedrahita, R.H. Finnell, and M.E. Westhusin. 1995. Detection of gene expression in single preimplantation bovine embryos by reverse transcription-T7 RNA polymerase-dependent amplification (RT-TRDA). Therio. 43(1): 241.

#### Thesis and Dissertation

- Jones, K.L.** 1999. DNA hypomethylation of karyoplasts for bovine nuclear transplantation. Texas A&M University-College Station, TX. Ph. D. Dissertation.
- Jones, K.L.** 1996. *In vitro* co-culture of bovine embryos using buffalo rat liver cells, CR1aa and TCM199. Texas A&M University-College Station, TX. M.S. Thesis.

### GenBank Sequence Submissions

**Jones, K.L.**, S.S. King, and A.G. Campbell. Genbank Accession AF525225:  
*Equus caballus* dopamine D2-like receptor mRNA, partial cds.

**Jones, K.L.**, S.S. King, and A.G. Campbell. Genbank Accession AF520988: *Equus caballus* dopamine D1-like receptor mRNA, partial cds.

Schrader, A.D., M.J. Iqbal, and **K.L. Jones**. Differentially expressed 45 day cloned fetal cDNAs. GenBank Accessions BQ087691-BQ087713. (23 submissions).

### 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

### 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

### Community

- President of Kiwanis of Carbondale. 2018-2019.
- Red Bud High School Career Day. 2019.
- AI school at Dixon Springs Research Center with University of Illinois faculty. 2007.
- New Student retention activity. 2007.
- Southern Illinois University Carbondale Belleville Field Day. 2006.
- Southern Illinois University Carbondale AG Industry day. 2006-2012.
- Illinois Beef Association. 2005.
- University of Illinois Heifer Development Sale, Greenville, IL. 2005.
- University of Illinois Bull Sale, Springfield, IL. 2005. University of Illinois, Dixon Springs Field Day. 2005.
- University of Illinois, Dixon Springs Beef Day. 2005.
- Southern Illinois University Carbondale's Bull Test Advisory Board. Chair, 2004-2006; member 2007-2010.
- Illinois Council on Food and Agriculture Research. 2004.
- Teaching workshop presenter, 2003, 2004.
- High School student workshops for:
  - Expanding Your Horizons 2000, 2001, 2003.
  - Illinois Science and Humanities Symposium 2000, 2003, 2008.
  - Carbondale Community High School 2007, 2012. ➤ Mt.
  - Vernon High School Alumni workshop, 2001.

### *Newspaper Articles and Press Releases:*

- WSIL television interview, 8/11/09, on veterinary school loan legislation.
- Kathryn Jaehnig, Story on my mentee, Jamie Douglas's and her Alltech win with her fescue toxicosis paper. May 2008.
- Kathryn Jaehnig, Undergraduate student research-Hot dog story. February 2008.
- Kathryn Jaehnig, Domperidone story. April 2006.
- Kathryn Jaehnig, Study: GMOs safe for environment, human use. March 2006.
- Kathryn Jaehnig, Domperidone story. June 2005.
- Kathryn Jaehnig, Bull Sale Story. February 2005.
- Kathryn Jaehnig, "Fescue may affect bulls' reproductive performance" SIUC Country Column, 10/2004.
- Kathryn Jaehnig, "Experimental drug aids cow reproduction" SIUC Country Column, 11/14/02.
- Mike Pettit. "Cattle cloners research problems: Studies are hopeful to help 'pharming.'" Daily Egyptian, 9/6/01.
- "New researcher starts scientific work on cows," Illinois AgriNews, 11/24/00.
- "Field Trip: Faculty members get three-day look at Illinois agriculture" Illinois AgriNews, 10/13/00.

- “Jones brings wealth of private sector experience to College of Agriculture” Southern Illinoisan, 11/13/2000.
- “‘Cloning’ Research” AgReporter. Spring/Summer 2000.
- WSIL television interview, 12/04/01, on livestock cloning.

## University

### *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*

- Recruitment Open Houses 2010-present.
- 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-present.



- 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-present.
- Southern Illinois University Carbondale's Graduate Council, 2004-2006; 2017-present.
- Southern Illinois University Carbondale's Chancellor's Advisory Committee, "Southern at 150," Student Life subcommittee, 2002.
- College of Agriculture's Standing Committee for Information Technology Policy. 2000-2003, 2007.
- College of Agriculture's Standing Committee for Educational Policy. 2001-2004.  
Southern Illinois University Carbondale's Molecular and Cellular Biology Organizational Committee, 2000-2007.
- Southern Illinois University Carbondale's Master's Fellowship Program Selection Committee, 2001, 2002, 2003.
- Southern Illinois University Carbondale's Undergraduate Research Advisory Committee, 2004.
- Southern Illinois University Carbondale's Saluki Finals Finish, 2001.