

## Lindsey Ann (George) Sjaarda, PhD

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BIOGRAPHICAL

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<b>Name:</b>	Lindsey A. Sjaarda, PhD (maiden name: George)	<b>Business Phone:</b> 301-642-4566
<b>Business Address:</b>	6100 Executive Blvd Room 7B03, MSC 7510 Bethesda, MD 20892-7510	<b>Business Fax:</b> 301-402-2084
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PROFESSIONAL POSITIONS

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<b>Staff Scientist</b>	2014-current
Epidemiology Branch, Division of Intramural Population Health Research <i>Eunice Kennedy Shriver</i> National Institute Child Health and Human Development	

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EDUCATION and TRAINING

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## EDUCATION

<b>B.S.</b> <i>Summa Cum Laude</i> Honors Scholar	2001-2005	Virginia Polytechnic Institute and State University, Blacksburg, VA	Animal and Poultry Science
<b>M.S.</b> <i>Summa Cum Laude</i>	2005-2007	Virginia Polytechnic Institute and State University, Blacksburg, VA	Animal and Poultry Science
<b>Ph.D.</b> <i>Summa Cum Laude</i>	2007-2010	University of Wyoming, Laramie, WY	Reproductive Biology

## POST-GRADUATE TRAINING

Postdoctoral Research Associate	2010-2012	University of Pittsburgh School of Medicine, Pittsburgh, PA	Pediatrics
Postdoctoral Fellow, Intramural Research Training Award	2012-2014	<i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Development, NIH, Rockville, MD	Epidemiology

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MEMBERSHIPS in PROFESSIONAL SOCIETIES

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Equine Science Society, member	2007-2009
American Society of Animal Science, member	2008-2009
Society for the Study of Reproduction, member	2009-2010
Endocrine Society, member	2010-current
The Obesity Society, member	2011-current
American Society for Nutrition, member	2012-current
Society for Pediatric and Perinatal Epidemiologic Research, member	2012-current

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HONORS and AWARDS

Saacke Reproductive Physiology Scholarship, Virginia Tech <i>Awarded to the student achieving the highest grade in the Reproductive Physiology course annually</i>	2004
John Lee Pratt Rising Senior Nutrition Research Scholarship, Virginia Tech <i>Awarded annually by the College of Agriculture and Life Sciences to support senior research projects in animal nutrition based on the submission of a research proposal</i>	2004
Honors Scholar diploma, Virginia Tech <i>Awarded to University Honors graduates maintaining a minimum GPA of 3.5 all semesters and completing 18 hours of Honors courses</i>	2005
Virginia Tech B.S. with highest honors, <i>summa cum laude</i>	2005
The Outstanding Senior, Virginia Tech College of Agriculture and Life Sciences <i>Awarded to one graduating senior from each college of the University for the recognition of exceptional performance and service</i>	2005
Virginia Tech M.S. with highest honors, <i>summa cum laude</i>	2007
Best Oral Presentation, University of Wyoming Graduate Student Symposium	2008
Mary Mead Graduate Award for Women in Agriculture, University of Wyoming	2008
University of Wyoming Ph.D. with highest honors, <i>summa cum laude</i>	2010
Thrasher Research Fund Early Career Award, \$26,730 grant support	2011

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PUBLICATIONS

## ARTICLES in REFEREED JOURNALS

\*denotes equal contributions

1. Staniar WB, Cubitt TA, **George LA**, Harris PA, Geor RJ. Glucose and insulin responses to different dietary energy sources in Thoroughbred broodmares grazing cool season pasture. *Livestock Science*. 2007;111:164-171. [doi:10.1016/j.livsci.2007.01.148]
2. Carter RA, McCutcheon LJ, **George LA**, Smith TL, Frank N, Geor RJ. Effects of diet-induced weight gain on insulin sensitivity and plasma hormone and lipid concentrations in horses. *American Journal of Veterinary Research*. 2009;70(10):1250-1258. PMID: 19795940
3. **George LA**, Staniar WB, Treiber KH, Harris PA, Geor RJ. Insulin sensitivity and glucose dynamics during pre-weaning foal development and in response to maternal diet composition. *Domestic Animal Endocrinology*. 2009;37:23-29. PMID: 19359126
4. **George LA**, Staniar WB, Cubitt TA, Treiber KH, Harris PA, Geor RJ. Evaluation of the effects of pregnancy on insulin sensitivity, insulin secretion, and glucose dynamics in Thoroughbred mares. *American Journal of Veterinary Research*. 2010;72(5):666-674. PMID: 21529219
5. **George LA**, Uthlaut AB, Long NM, Zhang L, Ma Y, Smith DT, Nathanielsz PW, Ford SP. Different levels of overnutrition and weight gain during pregnancy have differential effects on fetal growth and organ development. *Reproductive Biology and Endocrinology*. 2010;8:75. PMID: 20576133. PMC2911461

6. Long NM, **George LA**, Uthlaut AB, Smith DT, Nijland MJ, Nathanielsz PW, Ford SP. Maternal obesity and increased nutrient intake before and during gestation in the ewe results in altered growth, adiposity, and glucose tolerance in adult offspring. *Journal of Animal Science*. 2010;88(11):3546-3553. PMID: 20622177
7. **George LA**, Bacha F, Lee S, Tfayli H, Andreatta E, Arslanian S. Surrogate estimates of insulin sensitivity in obese youth along the spectrum of glucose tolerance from normal to prediabetes to diabetes. *Journal of Clinical Endocrinology and Metabolism*. 2011;96(7):2136-2145. PMID: 21508130. PMC3205514
8. **George LA**, Zhang L, Tuersunjiang N, Ma Y, Long NM, Uthlaut AB, Smith DT, Nathanielsz PW, Ford SP. Early maternal undernutrition programs increased feed intake, altered glucose metabolism and insulin secretion, and liver function in aged female offspring. *The American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*. 2012;302:R795-R804. PMID: 22277936. PMC3330774
9. **George Sjaarda L**, Bacha F, Lee S, Tfayli H, Andreatta E, Arslanian S. Oral disposition index in obese youth across the gamut of glucose tolerance from normal to prediabetes to diabetes: relationship to clamp disposition index. *Journal of Pediatrics*. 2012;161:51-57. PMID: 22325254.
10. **Sjaarda L**, Michaliszyn SF, Lee S, Tfayli H, Bacha F, Farchoukh L, Arslanian S. HbA1c diagnostic categories and  $\beta$ -cell function relative to insulin sensitivity in overweight/obese adolescents. *Diabetes Care*. 2012;35(12):2559-2563. PMID: 22912428. PMC3507599
11. Michaliszyn SF, **Sjaarda LA**, Mihalik SJ, Lee S, Bacha F, Chace DH, DeJesus VR, Vockley J, Arslanian SA. Metabolomic profiling of amino acids and beta-cell function relative to insulin sensitivity in youth. *Journal of Clinical Endocrinology and Metabolism*. 2012;97(11):E2119-E2124. PMID: 2297727. PMC3485593
12. Ge W, Hu N, **George L**, Ford S, Nathanielsz P, Wang X, Ren J. Maternal nutrient restriction predisposes ventricular remodeling in adult sheep offspring. *Journal of Nutritional Biochemistry*. 2013;24(7):1258-1265. PMID: 23333094. PMC3633637
13. **Sjaarda L**, Lee S, Tfayli H, Bacha F, Bertolet M, Arslanian S. Measuring beta-cell function relative to insulin sensitivity in youth: Does the hyperglycemic clamp suffice? *Diabetes Care*. 2013;36(6):1607-1612. PMID: 23275361. PMC3661845
14. Long NM\*, Tuersunjiang N\*, **George LA**, Lemley CO, Ma Y, Murdoch WJ, Nathanielsz PW, Ford SP. Maternal nutrient restriction in the ewe from early to midgestation programs reduced steroidogenic enzyme expression and tended to reduce progesterone content of corpora lutea, as well as circulating progesterone in nonpregnant aged female offspring. *Reproductive Biology and Endocrinology*. 2013;11(34):1-10. PMC3658881
15. Michaliszyn SF, Bonadonna RC, **Sjaarda LA**, Lee S, Farchoukh L, Arslanian SA. Beta-cell lipotoxicity in response to free fatty acid elevation in youth: African American versus Caucasian contrast. *Diabetes*. 2013;62(8):2917-22. PMC3717834
16. Schisterman EF, Mumford SL, **Sjaarda LA**. Failure to consider the menstrual cycle phase may cause misinterpretation of clinical and research findings of cardiometabolic biomarkers in premenopausal women. *Epidemiologic Reviews*. 2014;36(1):71-82. PMC3873842

17. **Sjaarda LA**, Albert PS, Mumford SL, Hinkle SN, Mendola P, Laughon SK Customized large-for-gestational-age birthweight at term and the association with adverse perinatal outcomes. *American Journal of Obstetrics and Gynecology*. 2014;210(1):63.e1-63.e11. PMC3872267
18. Prasad A, Mumford SL, Buck Louis GM, Ahrens KA, **Sjaarda LA**, Schliep KC, Perkins NJ, Kissell KA, Wactawski-Wende J, Schisterman EF. Sexual activity, endogenous reproductive hormones and ovulation in premenopausal women. *Hormones and Behavior*. 2014;66(2):330-8. PMC4127088.
19. Kissell KA, Danaher MR, Schisterman EF, Wactawski-Wende J, Ahrens KA, Schliep K, Perkins NJ, **Sjaarda L**, Weck J, Mumford SL. Biological variability in serum anti-Müllerian hormone throughout the menstrual cycle in ovulatory and sporadic anovulatory cycles in eumenorrheic women. *Human Reproduction*. 2014;29(8):1764-72. PMC4093994.
20. Hinkle SN, Albert PS, Mendola P, **Sjaarda LA**, Yeung E, Boghossian NS, Laughon SK. The association between parity and birthweight in a longitudinal consecutive pregnancy cohort. *Paediatric and Perinatal Epidemiology*. 2014;28(2):106-15. PMC3922415.
21. Schliep KC, Mumford SL, Hammoud AO, Stanford JB, Kissell KA, **Sjaarda LA**, Perkins NJ, Ahrens KA, Wactawski-Wende J, Mendola P, Schisterman EF. Luteal phase deficiency in regularly menstruating women: prevalence and overlap in identification based on clinical and biochemical diagnostic criteria. *Journal of Clinical Endocrinology and Metabolism*. 2014;99(6):E1007-14. PMC4037737.
22. **Sjaarda LA**, Mumford SL, Kissell K, Schliep KC, Hammoud AO, Perkins NJ, Weck J, Wactawski-Wende J, Schisterman EF. Increased androgen, anti-Müllerian hormone, and sporadic anovulation in healthy, eumenorrheic women: a mild PCOS-like phenotype? *Journal of Clinical Endocrinology and Metabolism*. 2014;99(6):2208-16. PMC4037725.
23. Parikh LI, Reddy UM, Männistö T, Mendola P, **Sjaarda L**, Hinkle S, Chen Z, Lu Z, Laughon SK. Neonatal outcomes in early term birth. *American Journal of Obstetrics and Gynecology*. 2014;211(3):265.e1-265.e11. PMC4149822.
24. Pollack AZ, **Sjaarda L**, Ahrens KA, Mumford SL, Browne RW, Wactawski-Wende J, Schisterman EF. Association of cadmium, lead and mercury with paraoxonase 1 activity in women. *PLoS One*. 2014;9(3):e92152. PMC3969354.
25. Hinkle SN, Albert PS, Mendola P, **Sjaarda LA**, Boghossian NS, Yeung E, Laughon SK. Differences in risk factors for incident and recurrent small-for-gestational-age birthweight: a hospital-based cohort study. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2014;121(9):1080-8. PMC4108555.

#### ABSTRACTS

1. **George L**, Staniar WB, Harris P, Geor R. Insulin sensitivity and glucose dynamics in neonatal foals. Poster presentation, *Experimental Biology, Washington, D.C.* April 2007.
2. **George LA**, Staniar WB, Treiber KH, Harris PA, Geor RJ. Insulin sensitivity and glucose dynamics in foals as influenced by age and maternal diet during gestation. Oral presentation, *Equine Science Society Symposium, Hunt Valley, MD.* June 2007.

3. **George LA**, Staniar WB, Cubitt TA, Treiber KH, Harris PA, Geor RJ. Nutritional effects on insulin sensitivity and glucose dynamics in pregnant and non-pregnant mares. Oral presentation, *Equine Science Society Symposium, Hunt Valley, MD*. June 2007.
4. Ford SP, **George LA**, Iroz AN, Hess BW, Moss GE, Nathanielsz PW. Maternal obesity combined with high plane of nutrition during pregnancy alters glucose tolerance of the ewe and her offspring. *Society for Gynecological Investigation, San Diego, CA*. March 2008.
5. **George LA**, Nathanielsz PW, Ford SP. Increased circulating progesterone levels during the estrous cycle in offspring of nutrient restricted ewes. Oral presentation, *American Society of Animal Science, Indianapolis, IN*. July 2008.
6. Nijland MJ, Burt BE, **George LA**, Nathanielsz PW, Ford SP. Maternal nutrient restriction in sheep during early gestation depresses offspring hypothalamo-pituitary-adrenal axis stress response but not pituitary responses to CRH/AVP or adrenal response to ACTH. *Society for Gynecological Investigation, Glasgow, Scotland*. March 2009.
7. Ford SP, Burt BE, **George LA**, Nathanielsz PW. Decreased maternal nutrition in the first half of pregnancy impairs ovarian progesterone secretion and decreases fertility in offspring. *Society for Gynecological Investigation, Glasgow, Scotland*. March 2009.
8. Ford SP, Smith DT, Long NM, Uthlaut AB, **George LA**, Nathanielsz PW, Nijland MJ. Maternal obesity and nutritional excess results in delivery of lambs with increased body fat and impaired pancreatic function at birth. *Society for Gynecological Investigation, Glasgow, Scotland*. March 2009.
9. **George LA**, Uthlaut AB, Long NM, Nathanielsz PW, Ford SP. Effects of diet-induced weight gain prior to and during pregnancy on body fat deposition and insulin sensitivity. Oral presentation, *Society for the Study of Reproduction, Pittsburgh, PA*. July 2009.
10. **George LA**, Uthlaut AB, Zhang L, Long NM, Nathanielsz PW, Ford SP. Maternal nutrient restriction in first half of pregnancy results in thrifty phenotype in aged ewes. Poster presentation, *Society for Gynecologic Investigation, Orlando, FL*. March 2010.
11. **George LA**, Uthlaut AB, Long NM, Nathanielsz PW, Ford SP. Fetal growth and organ development at mid-gestation resulting from differing levels of maternal overnutrition. Poster presentation, *Society for Gynecologic Investigation, Orlando, FL*. March 2010.
12. Ford SP, Zhang L, **George LA**, Ma Y, Long NM, Uthlaut AB, Nathanielsz PW. Maternal malnutrition induces metabolic reprogramming in offspring. *ADSA PSA AMPA CSAS ASAS Joint Annual Meeting, Denver, CO*. July 2010.
13. Zhang L, Ma Y, Tuersunjiang N, **George LA**, Ford SP, Nathanielsz PW. Maternal nutrient restriction upregulates phosphoenolpyruvate carboxykinase expression in the livers of aged female offspring. *ADSA PSA AMPA CSAS ASAS Joint Annual Meeting, Denver, CO*. July 2010.
14. Zhang L, **George LA**, Ford SP, Nathanielsz PW. Maternal nutrient restriction from early to mid-gestation increases pancreatic beta-cell number at mid-gestation but pancreatic weight and beta-cell numbers are reduced by late-gestation. *ADSA PSA AMPA CSAS ASAS Joint Annual Meeting, Denver, CO*. July 2010.

15. **George L**, Bacha F, Lee S, Tfayli H, Andreatta E, Arslanian S. Surrogate indices of  $\beta$ -cell function in obese youth with NGT, IGT and diabetes. Oral presentation, *American Diabetes Association, San Diego, CA*. June 2011.
16. **Sjaarda L**, Lee S, Bacha F, Tfayli H, Andreatta E, Arslanian S. Measuring beta-cell function relative to insulin sensitivity in pediatric research: does the hyperglycemic clamp suffice? Poster presentation, *American Diabetes Association, Philadelphia, PA*. June 2012.
17. **Sjaarda L**, Lee S, Tfayli H, Bacha F, Andreatta E, Arslanian S. HbA1c diagnostic categories and  $\beta$ -cell function relative to insulin sensitivity in overweight/obese adolescents. Oral presentation, *American Diabetes Association, Philadelphia, PA*. June 2012.
18. **Sjaarda L**, Scifres C, Bodnar L, Simhan H, Arslanian S. Infant growth and adiposity between 6 and 18 months of age: what are the maternal and infant determinants? Poster presentation, *The Obesity Society, San Antonio, TX*. September 2012.
19. **Sjaarda L**, Mumford S, Laughon SK, Kissell K, Wactawski-Wende JW, Schisterman E. Perturbations in testosterone are associated with sporadic anovulation in normally menstruating women. Poster presentation, *Society for Epidemiologic Research, Boston, MA*. June 2013.
20. **Sjaarda LA**, Laughon SK, Mumford SL, Hinkle SN, Mendola P, Albert PS. Large-for-gestational-age birthweight: does customization improve detection of adverse perinatal outcomes? Oral presentation, *Society for Pediatric and Perinatal Epidemiologic Research, Boston, MA*. June 2013.
21. Prasad A, Mumford SL, Buck-Louis GM, Ahrens KA, **Sjaarda LA**, Schliep KC, Perkins NJ, Kissell K, Wactawski-Wende J, Schisterman EF. Sexual activity and its effect on endogenous reproductive hormones and ovulation. *Society for Pediatric and Perinatal Epidemiologic Research, Boston, MA*. June 2013.
22. Hinkle SN, Laughon SK, **Sjaarda LA**, Mendola P, Boghossian N, Yeung E, Albert PS. The association between parity and birthweight in a longitudinal consecutive pregnancy cohort. *Society for Pediatric and Perinatal Epidemiologic Research and Society for Epidemiologic Research, Boston, MA*. June 2013.
23. Pollack A, **Sjaarda LA**, Ahrens K, Mumford SL, Browne R, Perkins N, Wactawski-Wende J, Schisterman E. Cadmium, lead and mercury exposure and paraoxonase 1 (PON1) activity in women. *Society for Epidemiologic Research, Boston, MA*. June 2013.
24. Kissell K, Danaher M, Schisterman E, Perkins N, Schliep K, Ahrens K, **Sjaarda LA**, Wactawski-Wende J, Mumford S. The impact of serum anti-mullerian hormone on follicular phase length in premenopausal women. *Society for Epidemiologic Research, Boston, MA*. June 2013.
25. Kissell K, Danaher M, Schisterman E, Perkins N, Schliep K, Ahrens K, **Sjaarda LA**, Wactawski-Wende J, Mumford S. Serum anti-mullerian hormone variation throughout the menstrual cycle in healthy regularly menstruating young women. *The Endocrine Society, San Francisco, CA*. June 2013.
26. **Sjaarda LA**, Mumford SL, Yeung E, Schliep K, Wactawski-Wende J, Schisterman E. Dietary carbohydrate intake and androgens in normally menstruating women. *Society for Epidemiologic Research, Seattle, WA*. June 2014.

27. **Sjaarda LA**, Albert PS, Hinkle SN, Mumford SL, Grantz KL. Customized variance for determining customized birthweight percentiles. *Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA*. June 2014.
28. Grantz KL, Hinkle SN, Mendola P, **Sjaarda LA**, Leishear K, Albert PS. Differences in risk factors for incident versus recurrent preterm delivery. *Society for Epidemiologic Research, and Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA*. June 2014.
29. Zarek SM, DeCherney AH, Browne RW, Schisterman EF, Perkins NJ, **Sjaarda L**, Schliep KC, Ahrens K, Wactawski-Wende J, Mumford SL. Relationship between luteal phase advanced lipoprotein particles and ovarian hormones in healthy, eumenorrheic women. *Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA*. June 2014.
30. Schliep KC, Mumford SL, Vladutiu CJ, Ahrens KA, Perkins NJ, **Sjaarda LA**, Kissell KA, Prasad A, Wactawski-Wende J, Schisterman EF. Measurement matters: capturing perceived stress relative to reproductive outcome. *Eunice Kennedy Shriver National Institute of Child Health and Human Development Tenth Annual Meeting of the Postdoctoral, Clinical, and Visiting Fellows and Graduate Students, Washington, D.C.*, April 2014.
31. Hinkle SN, Albert PS, **Sjaarda LA**, Grewal J, Grantz KL. The association between trajectories of gestational weight gain and child IQ at 5 years of age. *Society for Epidemiologic Research, and Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA*. June 2014.
32. Downes K, Hinkle SN, **Sjaarda LA**, Albert PS, Laughon SK. Prelabor and intrapartum cesarean delivery and subsequent risk of placenta previa. *Society for Maternal-Fetal Medicine, New Orleans, LA*. February 2014.

#### NON-REFEREED PUBLICATIONS

1. **George LA**. Insulin and glucose dynamics in mature ewes born from nutrient restricted dams. *UW Department of Animal Science, Annual research report*. 2007.
2. **George LA**, Nathanielsz PW, Ford SP. Increased circulating progesterone levels in the offspring of nutrient restricted ewes. *UW Department of Animal Science, Annual research report*. 2008.
3. **George LA**, Uthlaut AB, Long NM, Smith DT, Nathanielsz PW, Ford SP. Effects of different dietary levels prior to and during pregnancy on maternal adiposity, insulin sensitivity and fetal growth in the ewe. *UW Department of Animal Science, Annual research report*. 2009.
4. **George LA**, Uthlaut AB, Long NM, Zhang L, Smith DT, Nathanielsz PW, Ford SP. Feed intake and glucose metabolism in adult offspring of nutrient restricted ewes. *UW Department of Animal Science, Annual research report*. 2009.

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#### RESEARCH

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#### GRANT SUPPORT

**Thrasher Research Fund  
Early Career Award (PI: George-Sjaarda LA)**

10/1/2011 – 9/30/2012

The Healthy Infants Postpartum (HIP) Study: A pilot study of growth and body composition in infancy  
\$26,730, #NR-0157

**Children's Hospital of Pittsburgh** 2012

**Research Advisory Committee Fellowship Award (PI: Sjaarda LA)**

Healthy Infants Postpartum to-be (HIP2b): tracking development in offspring of the Nulliparous  
Pregnancy Outcomes Study: Monitoring Mothers-to-be (nuMoM2b)

\$60,255

*Selected for funding; forfeited due to change of appointment.*

#### INVITED LECTURES and OTHER SCHOLARLY PRESENTATIONS

Dietary energy composition affects the somatotropic axis in mares. John Lee Pratt Rising Senior  
Nutrition Research Symposium, Virginia Tech, 2005.

Increased circulating progesterone levels during the estrous cycle in offspring of nutrient restricted  
ewes. University of Wyoming Graduate Student Symposium, 2008.

Cow age mediates the impact of maternal undernutrition on fetal growth and organ development.  
Poster presentation, Colorado Nutrition Round Table, 2008.

Using animal models to understand the fetal origins of disease. Invited seminar, Animal and Dairy  
Science Department, Pennsylvania State University, 2009.

Developmental origins of disease: learning from animal models. Invited seminar, Virginia Tech  
Middleburg Agricultural Research and Extension Center, 2011.

Large-for-gestational-age birthweight: does customization improve detection of adverse perinatal  
outcomes? Invited seminar, NIH Program in Reproductive and Adult Endocrinology Clinical Conference  
Series, 2013.

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#### TEACHING

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#### CLASSROOM INSTRUCTION

Animal Agriculture (AT 0164), Virginia Tech Role: Graduate teaching assistant, graded class quizzes and exams	2005
Horse Management (AT 0624), Virginia Tech Role: Undergraduate teaching assistant, aided in administration and grading of quizzes/exams; delivered lecture describing equine dentition and dental care	2005
Horse Management (AT 0624), Virginia Tech Role: Delivered lecture on applied equine feeding management	2006
Comparative Anatomy and Physiology (ANSC 3010), University of Wyoming Role: Taught course section on anatomy and physiology of the gastrointestinal tract (3 lecture series) and prepared relevant exam questions; assisted regularly in laboratory teaching and anatomical dissections	2008

## MENTORING

Jonathan Myers, undergraduate summer research intern Virginia Tech Project title: Insulin sensitivity and glucose dynamics during pre-weaning foal development and in response to maternal diet composition	2006
Rehan Muhammad, Summer Research Apprentice Program University of Wyoming Project title: Maternal adiposity and fetal health	2008
Katheryne Downes, Summer Internship Program Epidemiology Branch, NICHD Project title: Prelabor cesarean delivery and future risk of placenta previa.	2013
Maya Shimony, Summer Internship Program Epidemiology Branch, NICHD Project title: The effect of fructose and sweetened beverages on liver function in healthy, premenopausal women.	2013
Kristen Johnson, Summer Internship Program Epidemiology Branch, NICHD Project title: Patterns of medication use across the menstrual cycle among healthy, reproductive aged women	2014

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SERVICE

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## EDITORIAL ACTIVITIES

**Ad hoc reviewer**

*American Journal of Physiology- Endocrinology & Metabolism*  
*Applied Physiology, Nutrition, and Metabolism*  
*Diabetes Care*  
*European Journal of Obstetrics & Gynecology and Reproductive Biology*  
*Fertility & Sterility*  
*Human Reproduction*  
*Journal of Clinical Endocrinology & Metabolism*

**Abstract reviewer**

*Society for Epidemiologic Research*  
*Society for Pediatric and Perinatal Epidemiologic Research*

## OTHER PROFESSIONAL SERVICE

Volunteer Judge	Intel International Science and Engineering Fair	2012
Volunteer Judge	NIH Postbac Poster Day	2013

COMMUNITY SERVICE

Volunteer "Big Sister"	Big Brothers Big Sisters 2010 Big Sister of the Year, Laramie, WY chapter	2007-2011
Volunteer	Lift Me Up! Therapeutic Horseback Riding, Great Falls, VA	2013-current