

Jill Ellen Schneider

Curriculum Vitae

BIOGRAPHICAL INFORMATION

Contact

Jill E. Schneider, Ph.D., Professor
Department of Biological Sciences
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Degrees

- Florida State University Psychology B.S. 1977
- Wesleyan University Biology Ph.D. 1982

Other Significant Educational Experiences

- Climate Change: The Science and Global Impact, Sustainable Development Goals (SDG) Academy, Instructor: Michael Mann, Pennsylvania State University, August, 2021
- Climate Reality Leadership Global Training, Climate Reality Project, October, 2020
- Drosophila Neurobiology, Cold Spring Harbor Laboratory, 2018
- Molecular Biology Workshop, Smith College/New England Biolabs, 1990
- Postdoctoral Study, Department of Psychology, University of Massachusetts, 1984-1989
- Neural Systems and Behavior, Woods Hole Marine Biological Lab, summer, 1979

Employment History

At Lehigh University:

- Professor, Department of Biological Sciences, 2004-present
- Associate Professor, Department of Biological Sciences, 1994-2004 (tenure 2/94)
- Distinguished Associate Professor endowed by Lehigh's Class of 1961, Department of Biological Sciences, 1995-1998
- Assistant Professor, Department of Psychology, 1992-1994

Employment History (continued)

At the University of Massachusetts:

Research Assistant Professor, Neuroscience and Behavior Program, 1989-1991
Postdoctoral Research Associate, Department of Psychology, 1984-1989

Other:

-Consultant, NICHD Reproductive Biology Training Grant, Center for Reproductive Sciences Program, Northwestern University, Evanston, Illinois, 2005-2006
-Instructor, Department of Biology, Saint Joseph College, Hartford, CT, 1984
-Research/Teaching Assistant, Department of Biology, Wesleyan University, 1978-1982
-Research/Teaching Assistant, Department of Psychology, Florida State University, 1976-1977

PUBLICATIONS

Text Book Authored

Pfaff, D., Rubin, R. T., Schneider, J. E., Head, G. *Principles of Hormone/Behavior Relations*, 2nd Edition, Elsevier, 2018.

Books Edited

Wallen, K. and J. E. Schneider, eds., *Reproduction in Context*, M.I.T. Press, Cambridge, Massachusetts, 2000.

Book Chapters Authored

Schneider, J. E., Integration of Peripheral and Central Signals in Control of Energy Intake, Storage, and Expenditure on Reproduction, *Oxford Encyclopedia of Neuroscience*, 2021.

Schneider, J. E. and A. G. Watts, Energy balance, ingestive behavior and reproductive success, Chapter 6 in: *Hormones, Brain and Behavior*, 2nd Edition (Arthur P. Arnold, Anne M. Etgen, Susan E. Fahrback, Robert T Rubin, Donald W. Pfaff, eds.) Elsevier, San Diego, California, 2009.

Schneider, J. E. and A. G. Watts, Energy balance, ingestive behavior and reproductive success, Chapter 7 in: *Hormones, Brain and Behavior, 1st Edition* (Pfaff, D., Etgen, A., Fahrbach, S. E., and Rubin, R. T., eds.) Elsevier, San Diego, California, pp. 435-523, 2002.

Schneider, J. E. Introduction to the study of reproduction in context. Chapter 1 in: *Reproduction in Context* by Wallen, K. and Schneider, J.E., eds., M.I.T. Press, Cambridge, Massachusetts, PP. 1-11, 2000.

Schneider, J. E. and G. N. Wade. Reproductive inhibition in service of energy balance, Chapter 3 in: *Reproduction in Context* by Wallen, K. and Schneider, J.E., eds., M.I.T. Press, Cambridge, Massachusetts, PP. 35-86, 2000.

Special Issue of Journals Edited

Schneider, J. E. (Guest Editor) Special Issue of *Hormones and Behavior*, Energy Balance In Context, Volume 66, Issue 1, Pages 1-208, Elsevier, London, UK, June 2014.

Schneider, J. E. (Guest Editor) Special Issue of *Hormones and Behavior* on Leptin and Related Peptides. 37, Number 4, Academic Press, San Diego, California, June, 2000.

Articles Published in Refereed Journals (graduate students in bold)

2018

Benton, N. A., Russo, K. A., **Brozek, J M.**, Andrews, R. J., Kim, V. J., Kriegsfeld, L. J., and Schneider, J. E. Food restriction-induced changes in motivation differ with stages of the estrous cycle and are closely linked to RFamide-related peptide-3 but not kisspeptin in Syrian hamsters. *Physiology and Behavior*, 190:43-60, 2018.

<https://doi.org/10.1016/j.physbeh.2017.06.009>

2017

Schneider, J. E., **Benton, N. A.**, Russo, K. A., **Klingerman, C. M.**, Williams, W. P., III., Simberlund, J., Abdulhay, A. A., **Brozek, J. M.**, and Kriegsfeld, L. J. RFamide-related peptide-3 and the trade-off between reproductive and ingestive behavior. *Integrative and Comparative Biology*, 2017, Volume 57, Issue 6, 1 December 2017, Pages 1225-1239, <https://doi.org/10.1093/icb/icx097>

Brozek, J. M., Schneider, J. E., and Rhinehart, E. Maternal programming of body weight in Syrian hamsters. *Integrative and Comparative Biology*, 2017, Volume 57, Issue 6, 1 December 2017, Pages 1245–1257, <https://doi:10.1093/icb/icx108>

Schneider, J. E. and Deviche, P. Molecular and neuroendocrine approaches to understanding trade-offs: Food, sex aggression, stress, and longevity. *Integrative and Comparative Biology*, 2017, Volume 57, Issue 6, 1 December 2017, Pages 1151–1160, <https://doi:10.1093/icb/icx113>

2014

Abdulhay, A., **Benton, N. A., Klingerman, C. M.**, Krishnamoorthy, K. **Brozek, J.**, and Schneider, J. E. Estrous cycle fluctuations in sex and ingestive behavior are accentuated by exercise or cold ambient temperatures. *Hormones and Behavior* 66:135-147, 2014.

Schneider, J. E. **Brozek, J.**, Keen-Rhinehart, E. Our stolen figures: The interface of sexual differentiation, endocrine disruptors, maternal programming, and energy balance. *Hormones and Behavior* 66:104-119, 2014.

Schneider, J. E. Guest editor's introduction: Energy homeostasis in context. *Hormones and Behavior* 66: 1-6, 2014.

2013

Schneider, J.E., **Wise, J.D., Benton, N.A., Brozek, J.M.**, Keen-Rhinehart, E., 2013. When do we eat? Ingestive behavior, survival, and reproductive success. *Hormones and Behavior* 64: 702–728.

Keen-Rhinehart, E., Ondek, K., and Schneider, J. E. 2013 Neuroendocrine regulation of appetitive ingestive behavior. *Frontiers in Neuroscience* doi: 10.3389/fnins.2013.00213, 2013.

2012

Schneider, J. E., **Klingerman, C. M.**, and Abdulhay, A. Sense and nonsense in metabolic control of reproduction. *Frontiers in Endocrinology*, **3**:26. doi: 10.3389/fendo.2012.00026, 2012.

2011

Klingerman, C. M., Williams, W. P. III, Simberlund, J., Brahme, N., Prasad, A, Schneider, J. E. and Kriegsfeld, L. J. Food restriction-induced changes in gonadotropin-inhibiting hormone cells are associated with changes in sexual motivation and food hoarding, but not sexual performance and food intake. *Frontiers in Endocrinology*, **2**:101. doi: 10.3389/fendo.2011.00101, 2011.

Klingerman, C. M., Patel, A., Hedges, V.L., Meisel, R.L. and Schneider, J.E. Effects of food restriction on appetitive aspects of sex and ingestive behavior and neural activation in the nucleus accumbens. *Behavioral and Brain Research*, **223**: 356-370, 2011.

Szymanski, L.A., Schneider, J.E., Satragno, A., Dunshea, F.R., Clarke, I.J. Mesenteric infusion of a volatile fatty acid prevents body weight loss and transiently restores leutinising hormone secretion in ovariectomized, food-restricted ewe *Journal of Neuroendocrinology*, **23**:699-710, 2011.

2010

Klingerman, C. M., Krishnamoorthy, K., Patel, K., Spiro, A. B., Struby, C., Patel, A. and Schneider, J.E. Energetic challenges unmask the role of ovarian hormones in orchestrating ingestive and sex behaviors. *Hormones and Behavior*, **58**:563-574, 2010.

2009

Schneider, J.E., If I Only Had a Whole Brain: The Importance of Extra-Hypothalamic Areas in The Energy Balance Equation *Endocrinology*, **150**:5195-5198, 2009.

Szymanski, L., Tabaac, B. and Schneider, J.E. Signals that link energy to reproduction: Gastric fill, bulk intake, or caloric intake? *Physiology and Behavior*, **96**:540, 2009.

2008

Schneider, J. E. Give food a chance: treating anorexia nervosa without drugs and psychology. *Frontiers in Neuroendocrinology* **29**:520-521, 2008.

2007

Buckley, C.A., Schneider, J.E., and Cundall, D. Kinematic analysis of appetitive food-handling behavior: the functional morphology of Syrian hamster cheek pouches. *Journal of Experimental Biology*, 210:3096-3106, 2007.

Szymanski, L. A., Schneider, J. E., Friedman, M. I., Ji, H., Kurose, Y., Blache, D., Rao, A., Dunshea, F.R., Clarke, I.J. Changes in insulin, glucose and ketone bodies, but not leptin or body fat content precede restoration of luteinising hormone secretion in re-fed ewes. *Journal of Neuroendocrinology*, 19:449-460, 2007.

Schneider, J.E. Casper, J.F. Barisich, A., Schoengold, C., Cherry, S., Surico, J., DeBarba, A., Fabris, F. and Rabold, E. Food deprivation and leptin prioritize ingestive and sex behavior without affecting estrous cycles in Syrian hamsters. *Hormones and Behavior*, 51(3):413-427, 2007.

2006

Schneider, J. E. Metabolic and hormonal control of the desire for food and sex: Implications for obesity and eating disorders, *Hormones and Behavior*, 50:562-571, 2006.

2004

Schneider, J. E. Energy balance and reproduction. *Physiology and Behavior* 81:289-317, 2004.

2003

Buckley, C.A. and J.E. Schneider Food hoarding, but not food intake is increased by food deprivation and decreased by leptin treatment in Syrian hamsters. *American Journal of Physiology* 285:R1021-1029, 2003.

2002

Schneider, J. E. and **C. A. Buckley, R. M. Blum, D. Zhou, L. Szymanski, D. E. Day** and T. J. Bartness Metabolic signals, hormones and neuropeptides involved in control of energy balance reproductive success in hamsters. *European Journal of Neuroscience* 16:377-379, 2002.

2001

Jennifer L. Temple, Jill E. Schneider, Deanna Scott, Alexander Koritz and Emilie F. Rissman: Acute Metabolic Fuel Blockade Suppresses Mating Behavior in Female Musk Shrews. *American Journal of Physiology*, 282:R782-R790, 2001.

2000

Drazen, D.L., Kriegsfeld, L.J., Schneider, J.E. & Nelson, R.J. Photoperiod effects on leptin and immune function. *American Journal of Physiology*, 278:R1401-R1407, 2000.

Schneider, J.E. Leptin and Related Peptides. *Hormones and Behavior*, 37:258-260, 2000.

Schneider, J.E., **Zhou, D. and Blum, R.M.** Leptin and metabolic control of reproduction. *Hormones and Behavior*, 37:306-326, 2000.

Schneider, J. E., **R. M. Blum**, and G. N. Wade, Metabolic control of food intake and estrous cycles in Syrian hamsters: I. Plasma insulin and leptin concentrations, *American Journal of Physiology*, 278:R476-R485, 2000.

1990-1999

Schneider, J. E. and **D. Zhou**. Interactive effects of intracerebral leptin treatment and peripheral metabolic inhibitors on estrous cyclicity. *American Journal of Physiology*, 277:R1020-R1024, 1999.

Schneider, J. E., M. D. Goldman, S. Tang, B. Bean, H. Ji and M. I. Friedman. Leptin indirectly affects estrous cycles by increasing metabolic fuel oxidation. *Hormones and Behavior*, 33:217-228, 1998.

Panicker, A. K., R. A. Mangels, J. B. Powers, G. N. Wade, and J.E. Schneider. Area postrema lesions block suppression of estrous behavior, but not estrous cyclicity, in food-deprived hamsters. *American Journal of Physiology*, 275:R158-R164, 1998.

Schneider, J. E. Effects of the fructose analog, 2,5-anhydro-d-mannitol, on food intake and estrous cycles Syrian hamsters. *American Journal Physiology*, 272:R935-R939, 1997.

Schneider, J. E., A. J. Hall, and G. N. Wade. Central versus peripheral metabolic control of estrous cycles in Syrian hamsters: I. Lipoprivation. *American Journal of Physiology*, 272:R400-R405, 1997.

Schneider, J.E., M. D. Goldman, N. A. Leo, and M. E. Rosen. Central versus peripheral metabolic control of estrous cycles in Syrian hamsters: II. Glucoprivation. *American Journal of Physiology*, 272:R406-R412, 1997.

Wade, G.N., J.E. Schneider, and H.-Y. Li. **(INVITED REVIEW)** Control of fertility by metabolic cues. *American Journal of Physiology*, 270:E1-E9, 1996.

Schneider, J.E., **B.C. Finnerty**, J.M. Swann, J.M. Gabriel. Glucoprivic treatments that induce anestrus, but do not affect food intake, increase FOS-like immunoreactivity in the area postrema and nucleus of the solitary tract in Syrian hamsters. *Brain Research*, 698:107-113, 1995.

Bhatia, A.J., J.E. Schneider, and G.N. Wade. Thermoregulatory and maternal nest building in Syrian hamsters: Interaction of ovarian steroids and energy demand. *Physiology and Behavior*, 58:141-146, 1995.

Schneider, J.E. and Y.Z. Zhu. Caudal brain stem plays a role in metabolic control of estrous cycles in Syrian hamsters. *Brain Research*, 661:70-74, 1994.

Schneider, J.E., D.G. Friedenson, A.J. Hall, and G.N. Wade. Glucoprivation induces anestrus while lipoprivation may induce hibernation in Syrian hamsters. *American Journal of Physiology*, 264:R573-R577, 1993.

Wade, G.N. and J.E. Schneider. Metabolic fuels and reproduction in female mammals. *Neuroscience and Biobehavioral Reviews*, 16:235-272, 1992.

Schneider, J.E. Metabolic Sense. *Hormones and Behavior*, 26:1-6, 1992.

Wade, G.N., J.E. Schneider, and M.E. Friedman. Insulin-induced anestrus in Syrian hamsters. *American Journal of Physiology*, 260:R148-R152, 1991.

Schneider, J.E. and G.N. Wade. Effects of ambient temperature and body fat content on maternal litter reduction in Syrian hamsters. *Physiology and Behavior* 49:135-139, 1991.

Schneider, J.E. and G.N. Wade. Effects of diet and body fat content on cold-induced anestrus in Syrian hamsters. *American Journal of Physiology*, 259:R1198-R1204, 1990.

Schneider, J.E. and G.N. Wade. Decreased availability of metabolic fuels induces anestrus in Syrian hamsters. *American Journal of Physiology*, 258:R750-R755, 1990.

1979-1989

Schneider, J.E. and G.N. Wade. Effects of maternal diet, body weight and body composition on infanticide in Syrian hamsters. *Physiology and Behavior*, 46:815-821, 1989.

Schneider, J.E. and G.N. Wade. Body weight and reproduction. *Science*, 246:432, 1989 (letter).

Schneider, J.E. and G.N. Wade. Availability of metabolic fuels controls estrous cyclicity of Syrian hamsters. *Science*, 244:1326-1328, 1989.

Schneider, J.E., S.J. Lazzarini, M.I. Friedman and G.N. Wade. Role of fatty acid oxidation in food intake and hunger motivation in Syrian hamsters. *Physiology and Behavior*, 43:617-623, 1988.

Lazzarini, S.J., J.E. Schneider and G.N. Wade. Inhibition of fatty acid oxidation and glucose metabolism does not affect food intake or hunger motivation in Syrian hamsters. *Physiology and Behavior*, 44:209-215, 1988.

Schneider, J.E. and G.N. Wade. Body weight, food intake and brown fat thermogenesis in pregnant Djungarian hamsters. *American Journal of Physiology*, 253:R314-R320, 1987.

Schneider, J.E., J.M. Hamilton and G.N. Wade. Genetic association between nest building and brown adipose tissue thermogenesis in female house mice. *Journal of Comparative and Physiological Psychology*, 157:87-93, 1986.

Schneider, J.E., L. Palmer and G.N. Wade. Effects of estrous cycles and ovarian steroids on body weight and energy expenditure in Syrian hamsters. *Physiology and Behavior*, 38:119-126, 1986.

Schneider, J.E. and C.B. Lynch. An investigation of a common physiological mechanism underlying maternal and progesterone-induced nesting in mice, *Mus musculus*. *Journal of Comparative and Physiological Psychology*, 98:165-176, 1984.

Schneider, J.E., C.B. Lynch and C.L. Gundaker. The influence of exogenous progesterone on selected lines of mice divergent for maternal nesting. *Behavior Genetics* 13:247-256, 1983.

Schneider, J.E., C.B. Lynch, B. Possidente, and J.P. Hegmann. Genetic association between progesterone-induced and maternal nesting in mice. *Physiology and Behavior*, 29:97-105, 1982.

Batchelder, M., C.B. Lynch and J. Schneider. The effects of age and experience on strain differences for nesting behavior in *Mus musculus*. *Behavior Genetics*, 12:149-159, 1982.

Lynch, G.R., J. Bunin and J.E. Schneider. The effect of constant light and dark on the circadian nature of daily torpor in *Peromyscus leucopus*. *Journal of Interdisciplinary Cycle Research*, 11:55-93, 1980.

Nyby, J., C.J. Wysocki, G. Whitney, G. Dizinno and J. Schneider. Female elicitation of male mouse (*Mus musculus*) ultrasonic vocalizations. I. Urinary cues. *Journal of Comparative and Physiological Psychology*, 93:957-975, 1979.

Nyby, J., C.J. Wysocki, G. Whitney, G. Dizinno, J. Schneider and A. Nunez. Elicitation of male mouse (*Mus musculus*) ultrasonic vocalizations. II. Animal stimuli. *Journal of Comparative and Physiological Psychology*, 95:623-629, 1980.

SYMPOSIA ORGANIZED

Molecular and Neuroendocrine Approaches to Understanding Tradeoffs: Food, Sex, Aggression, Stress, and Longevity. Society for Integrative and Comparative Biology Annual Meeting, New Orleans, LA January 4-8, 2017.

Lehigh-Nottingham Symposium on Biomedical Research on Healthy Aging and Development, Lehigh University, May 20, 2015.

INVITED WORKSHOP: Jill E. Schneider, Society for Behavioral Neuroendocrinology Annual Meeting, "Teaching Behavioral Neuroendocrinology to the Masses" Asilomar Conference Center, Pacific Grove, California, June, 2015

INVITED WORKSHOP: Jill E. Schneider, "Scientific Teaching and Cooperative Learning in Behavioral Endocrinology," presented at the Society for Behavioral Neuroendocrinology Annual Meeting, Atlanta, GA, June, 2013.

INVITED WORKSHOP, "Not for Women Only: Balancing Family and a Scientific Career," Society for Behavioral Neuroendocrinology, Scottsdale Arizona, 2002

INVITED WORKSHOP, "Nontraditional Careers for Behavioral Neuroendocrinologists," Society for Behavioral Neuroendocrinology, Scottsdale Arizona, 2002

Symposium Organizer, Chair, "Metabolic Control of Reproduction," American Neuroendocrine Society, San Diego, California, June, 1999.

Hosted (with John Nyby) Conference on Reproductive Behavior Annual Meeting, Lehigh University, June, 1994.

Symposium Organizer, "Environmental Influences on Reproduction," Conference on Reproductive Behavior, Michigan State University, East Lansing, Michigan, June 1993.

PROFESSIONAL PRESENTATIONS

Invited Presentations (1993-present)

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider, Ingestive or reproductive behavior? Hormone-neuropeptide interactions that orchestrate the tradeoff, 5th Biennial North American Society for Comparative Endocrinology and 10th International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology, May 24, 2019.

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider, The Role of GnIH in The Tradeoff Between Reproduction and Energy Balance and Ingestive Behavior, Society for Integrative and Comparative Biology, January, 5, 2017.

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider, Inconvenient Truths: Adventures with Iain Clarke, A Woolly Celebration: Symposium to Honor the Career of Iain Clarke, Byrons Bay, NSW, Australia, October 24, 2016.

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider (speaker), Benton, N., Brozek, J. Russo, K., and Kriegsfeld, L. Gonadotropin-inhibiting Hormone Function Is More Closely Associated With Appetitive Than Consummatory Behavior, Georgia State University, September 23, 2016. <http://biotech.gsu.edu/bartnesssymposium/index.html>

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider, Our Stolen Figures: Using the Process of Sexual Differentiation to Think about Endocrine Disrupting Compounds and Their Effects on Energy Balance, Triennial Reproduction Symposium, Orlando, Florida, July, 2015.

Jill E. Schneider, “Neuropeptide-steroid Interactions That Orchestrate the Appetites” given at the Departments of Psychology and Neuroscience, University of California, Berkeley, California, May, 2015.

Jill E. Schneider, “Neuropeptide-steroid Interactions That Orchestrate the Appetites” given at the University of Nottingham, Nottingham, England, March 11, 2015.

Jill E. Schneider, "Neuropeptide-steroid Interactions That Orchestrate the Appetites" given at the College of William and Mary, Williamsburg, Virginia, April, 2015.

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider "Understanding Energy Homeostasis and Obesity by Studying Reproduction and Sex Behavior," given at the University of Minnesota Development Center Annual Symposium "Coping With Change: Environmental and Nutritional Control of Development," October 21, 2014.

Jill E. Schneider "Food, Sex and The Brain" given at DeSalles University, Allentown/Bethlehem, PA March, 2014.

INVITED SYMPOSIUM ADDRESS: Jill E. Schneider, "Having Your Cake or Eating It Too: Leptin, Energy Balance and the Reproductive Axis" published in *Endocrinology*, presented at The Endocrine Society Annual Meeting, Washington D.C. June 13, 2009.

Schneider, J.E. "Ingestive Behavior, Energy Balance and Reproductive Success" Susquehanna University, Selinsgrove, PA, 2010.

Schneider, J.E. "Ingestive Behavior, Energy Balance and Reproductive Success," University of West Virginia Medical Center, Morgantown, WV, September, 21, 2006.

Schneider, J.E. "Ingestive Behavior, Energy Balance and Reproductive Success," Department of Animal Science, Cornell University, Ithaca, NY, October 18, 2006.

Schneider, J.E. "An Adaptationist Perspective on Appetite" Conference on Appetite and Metabolic Function: Advances in Domestic Animals. University of West Virginia, Morgantown, WV, June 17, 2006.

Schneider, J.E. "Ingestive Behavior, Energy Balance and Reproductive Success," Center for Reproductive Science, Northwestern University, Evanston, IL, February 13, 2006.

Schneider J.E. "From Candlelight Dinner to Conception," Psychobiology and Behavioral Neuroscience Graduate Program, Ohio State University, Columbus, OH, February 16, 2006.

KEYNOTE ADDRESS: Schneider, J. E. "Ingestive Behavior, Energy Partitioning and Reproduction" Purdue University, Graduate Program in Neuroscience Symposium and Retreat, March, 2004.

Schneider, J. E. "Signaling Molecules for Food Intake and Energy Balance," Ares Serono Foundation Symposium, Bristol, England, UK, September 1, 2002.

Schneider, J. E. " Food, fat and sex!: Ingestive behavior, energy partitioning and reproductive success" Rowett Institute, Aberdeen, Scotland, UK, June 27, 2002.

Schneider, J. E. "Neural Circuits Involved in Control of Food Intake and Reproduction" International Society for Neuroscience Annual Meeting, Capri, Italy, June 21, 2002.

Schneider, J. E. " Food, fat and sex!: Ingestive behavior, energy partitioning and reproductive success" University of Manchester, School of Biomedical Sciences , England, UK, June 17, 2002.

Schneider, J. E. " Food, fat and sex!: Ingestive behavior, energy partitioning and reproductive success" University of Nottingham, England, UK, June 11, 2002.

Schneider, J. E. "Ingestive behavior, energy balance and reproductive success" Washington and Lee University, Lexington, Virginia. May 29, 2002.

Schneider, J. E. "Metabolic and hormonal effects on reproduction" Prince Henry's Institute of Medical Research, Clayton, Victoria, Australia, April 19, 2002.

Schneider, J. E. "Signaling Molecules for Food Intake and Energy Balance," Brain Drain Symposium Department of Neuroscience, University of Southern California, Los Angeles, California, November 2, 2001.

Schneider, J. E. "To procreate or not to procreate; Is leptin the answer?" Department of Biology and Program in Neuroscience, University of Virginia, Charlottesville, Virginia, April, 2001.

Schneider, J. E. "To procreate or not to procreate; Is leptin the answer?" Department of Psychology, Florida State University, Tallahassee, Florida, November 15, 2000.

Schneider, J. E. "To procreate or not to procreate; Is leptin the answer?" Department of Neuroscience, Rutgers, University, New Brunswick, December 7, 2000.

Schneider, J. E., "Inhibition of Reproduction In Service of Energy Balance," Department of Psychology, Emory University, Atlanta, GA, November 12, 1999.

Schneider, J.E., Symposium Organizer and Chair, "Metabolic Control of Reproduction", American Neuroendocrine Society, San Diego, California, June 11, 1999.

Schneider, J.E. "Primary Metabolic Sensory Signals that Control Reproduction in Syrian hamsters", American Neuroendocrine Society, San Diego, California, June 11, 1999.

Schneider, J.E. "Inhibition of Reproduction In Service of Energy Balance," Department of Biological Science, Ohio University, Athens Ohio, May 3, 1999.

Schneider, J.E. "Inhibition of Reproduction In Service of Energy Balance," Neuroscience Program and Department of Physiology, University of Massachusetts Medical Center, Worcester, Massachusetts, February, 1999.

Schneider, J.E. "Metabolic Sensory Systems That Control Food Intake and Reproduction", National Institutes of Mental Health Workshop on Biological Approaches to the Study of Eating Disorders, December 7, 1998, Washington, D.C.

Schneider, J.E., G.N. Wade and M.I. Friedman "Possible Biological Roles of Leptin", Society for Behavioral Neuroendocrinology, Emory University, Atlanta, Georgia, June 11, 1998.

Schneider, J.E. and George N. Wade, "Reproductive Regulation in Service of Energy Balance", Society for Behavioral Neuroendocrinology/Conference on Reproductive Behavior, Johns Hopkins University, Baltimore, Maryland, May 30, 1997.

Schneider, J.E. "Reproductive Regulation in Service of Energy Balance", University of Pennsylvania Feeding Seminar, University of Pennsylvania, Philadelphia, Pennsylvania, April 9, 1997.

Schneider, J.E. "Reproductive Regulation in Service of Energy Balance", Department of Psychology, Michigan State University, East Lansing, Michigan, March 13, 1997.

Schneider, J.E. "Reproductive Regulation in Service of Energy Balance", MSU Biobehavioral Seminar Series, Michigan State University, East Lansing, Michigan, March 14, 1997.

Schneider, J.E. "Metabolic Control of Reproduction in Female Mammals", Center for Behavioral Neuroscience, Concordia University, Montreal, Quebec, Canada, April 21, 1995.

Schneider, J.E. "Classroom Climate Workshop II" Sponsored by the College of Arts and Sciences and Women's Studies Council, May, 1995.

Schneider, J.E. "Metabolic Control of Reproduction" Department of Psychology, Bucknell University, April 22, 1994.

Schneider, J.E. "Metabolic Sensory Systems that Mediate Effects of Metabolic Fuels on Reproduction" Department of Biological Sciences, Temple University, February 14, 1994.

Schneider, J.E. and H. Stewart-Gambino "Classroom Climate Workshop" Sponsored by the College of Arts and Sciences and Women's Studies Council, January 17, 1994.

Schneider, J.E., Symposium Organizer and Chair, Environmental Influences on Reproduction. Title of talk: "Metabolic sensory systems that mediate the effects of food intake and body fat on reproduction." Conference on Reproductive Behavior, Michigan State University, East Lansing, Michigan, June, 1993.

Schneider, J.E. "Issues for women in science". Lehigh University Women's Studies Brown Bag Series, Lehigh University, Bethlehem, Pennsylvania, April 28, 1993.

Schneider J.E. "Bringing women to the center of the scientific process". College of Arts and Sciences, University of South Florida, Tampa, Florida, March 22, 1993.

Schneider, J.E. “Metabolic control of female reproductive behavior”. College of Arts and Sciences, University of South Florida, Tampa, Florida, March 23, 1993.

Schneider, J.E. “Metabolic sensory systems that control reproduction.” Frontiers in Biomedical Science Seminar Series, College of Arts and Science, Undergraduate Science Program, Rutgers University, February 2, 1993.

Published Abstracts of Conference Presentations

Benton, Noah, Russo, Kim, Kriegsfeld, Lance, and Schneider, Jill Food restriction unmasks the interaction of GnIH with ovarian hormones in prioritizing ingestive and sexual motivation, presented at the Society for Behavioral Neuroendocrinology, July, 2015.

Brozek, J. M., Keen-Rhinehart, E., and Schneider, J. E. Energetic challenges experienced by the mother during gestation alter growth patterns and adult traits related to energy balance in Syrian hamsters (*Mesocricetus auratus*), presented at the Society for Integrative and Comparative Biology, West Palm Beach, Florida, January, 2015.

ALSO OF NOTE: My graduate student, Jeremy Brozek served as chair of the session at the Society for Integrative and Comparative Biology, West Palm Beach, Florida, 2015.

Schneider, J. E., Benton, N. A., Klingerman, C. M., and Kriegsfeld, L. Gonadotropin-inhibiting hormone and appetitive behavior: A lab overview, presented at the International Conferences on Hormones Brain and Behavior, Liege, Belgium, June, 2014.

Schneider, J. E. Our stolen figures: endocrine disruptors and obesity, presented at the International Conferences on Hormones Brain and Behavior, Liege, Belgium, June, 2014.

Benton, N. A., Brozek, J., Andrews, R., Kriegsfeld, L., and Schneider, J. E. Food restriction-induced increases in GnIH cellular activation are attenuated at the time of

estrous in Syrian hamsters (*Mesocricetus auratus*), presented at the joint meeting of the Society for Behavioral Neuroendocrinology and the International Congress on Neuroendocrinology, Sydney, Australia, August, 2014.

Benton, N. A., Abdulhay, A., and Schneider, J. E. Estrous cycle oscillations in Syrian hamster ingestive and sex behavior are amplified by cold ambient temperature or exercise. presented at the joint meeting of the Society for Behavioral Neuroendocrinology and the International Congress on Neuroendocrinology, Sydney, Australia, August, 2014.

Brozek, J. M. and Schneider, J. E. Variation in ingestive behaviors is due to maternal effects in Syrian hamsters (*Mesocricetus auratus*), presented at the Society for Integrative and Comparative Biology, Austin, Texas, January 5, 2014.

Klingerman, C.M., Patel, A., Hedges, V.L., Meisel, R.L. and Schneider, J.E. Energy deficits dissociate motivation from performance and reward. Presented at the Society for the Study of Ingestive Behavior, Clearwater, Florida, July 13, 2011.

Williams, W.P. III., Klingerman, C. M., Simberlund, J., Brahme, N., Kriegsfeld, L. J. and Schneider, J. E. Energetic and reproductive status impact RFamide-related peptide-3 immunoreactivity in female Syrian hamsters. Presented at the Society for Neuroscience, San Diego, California, November 18, 2010.

Keen-Rhinehart, E., Patel, K., and Schneider, J.E. Gestational programming of behavioral and neuroendocrine systems responsible for energy homeostasis in Syrian hamster offspring prenatally exposed to reduced fuel availability. Presented at the Society for Neuroscience, San Diego, California, November 18, 2010.

Keen-Rhinehart, E. Patel, K. Abdulhay, A. and Schneider, J.E. Adult offspring of energy-restricted female Syrian hamsters are obese and hyperphagic but have lower food hoarding and earlier puberty onset in adulthood. Presented at the Society for Behavioral Neuroendocrinology Annual Meeting, Toronto, Canada, June 2010.

Klingerman, C.M., Patel, A., Hedges, V., Meisel, R. L. and Schneider, J.E. Food restriction alters appetitive sex and ingestive behaviors but not consummatory

behaviors nor neural activation in the ventromedial nucleus of the hypothalamus and nucleus accumbens. Presented at the Society for Behavioral Neuroendocrinology Annual Meeting, Toronto, Canada, June 2010.

Bhatia, S. and Schneider, J. E. Ovarian steroids and internal energy availability interact to control sexual attractivity in female Syrian hamsters. Presented at the Society for Behavioral Neuroendocrinology Annual Meeting, Toronto, Canada, June 2010.

INVITED TALK: Jill E. Schneider, "Having Your Cake or Eating It Too: Leptin, Energy Balance and the Reproductive Axis" published in *Endocrinology*, presented at The Endocrine Society Annual Meeting, Washington D.C. June 13, 2009.

Anand Patel, Candice M Klingerman, Robert Meisel, Jill E. Schneider, Dopamine and the Desire for Food and Sex, published in *Hormones and Behavior*, presented at the Society for Behavioral Neuroendocrinology Annual Meeting, Michigan State University, East Lansing, Michigan, June 26, 2009.

Pulsatile LH secretion, arcuate nucleus NPY, POMC, ObRb, but not kisspeptin gene expression are restored by re-feeding in food-restricted ewes, L. SZYMANSKI, J. E. SCHNEIDER, A. RAO, F. R. DUNSHEA, D. BLACHE, I. J. CLARKE. Society for Neurosciences Annual Meeting, Washington, DC, November, 2008.

Detailed Analysis of Effects of Energy Balance on Ingestive and Sex Behaviors, C.M. Klingerman, J. Simberlund, R. Shankar, J. Casper, and J.E. Schneider, published in *Hormones and Behavior*, presented at the Society for Behavioral Neuroendocrinology, Netherlands, July 2008.

Szymanski, L.A., Tabaac, B., and J.E. Schneider Differentiating between rate of gastric fill, bulk intake, and calories as signals for control of reproduction. Society for Behavioral Neuroendocrinology, Netherlands, July 2008.

Laura Szymanski, Edwards, A., Grodin, E., and Jill E. Schneider Calories but not nutrients are critical for restoration of estrous cycles in Syrian hamsters. Society for Behavioral Neuroendocrinology, Pittsburg, PA, published in *Hormones and Behavior*, June, 2005.

Laura Szymanski, Jill E. Schneider, Yohei Kurose, Mark I. Friedman, Hong Ji and Iain J. Clarke. Rapid restoration of luteinizing hormone pulses by refeeding undernourished ewes is preceded by alterations in plasma ketone bodies and insulin but not leptin or ghrelin. Society for Behavioral Neuroendocrinology, Lisbon, Portugal, July, 2004.

Buckley, C. A., Cundall, D., and Schneider, J.E. How Syrian hamsters fill their cheek pouches: Co-opted masticatory motor patterns and the role of the retractor muscle. Society for Comparative and Behavioral Endocrinology, 2004.

Laura A. Szymanski, J.E. Schneider, A. Rao and I.J. Clarke. Restoration of luteinizing hormone pulses in refeed chronically undernourished ewes occurs without alterations in plasma leptin concentrations. Society for Neuroscience Annual Meeting, New Orleans, 2003.

Robert M. Blum, L.A. Szymanski, J.E. Schneider, M.I. Friedman, H. Ji and J.A. Swanson. Glucose, fructose and chow diluted with cellulose do not restore estrous cycles after food deprivation in lean Syrian hamsters. Society for Neuroscience Annual Meeting, New Orleans, 2003.

Robert M. Blum, Deanna K. Scott and Jill E. Schneider. Food deprivation-induced anestrus does not require adrenal secretions in Syrian hamsters. Society for Behavioral Neuroendocrinology, Cincinnati, Ohio, 2003.

Robert M. Blum, Deanna K. Scott and Jill E. Schneider. Effects of leptin on metabolic fuels and estrous cyclicity during fasting. Society for Behavioral Neuroendocrinology, Scottsdale, Arizona, June, 2001.

Laura A. Szymanski, Dan Zhou, and Jill E. Schneider. Effects of fourth ventricle glucose utilization on estrous cyclicity in Syrian hamsters. Society for Behavioral Neuroendocrinology, Scottsdale, Arizona, June, 2001.

Carolyn A. Buckley and Jill E. Schneider. Leptin treatments that decrease food intake do not support a conditioned taste aversion in Syrian hamsters. Society for Behavioral Neuroendocrinology, Scottsdale, Arizona, June, 2001.

C.A. Buckley; J.E. Schneider Leptin prevents the effects of food deprivation on hoarding in Syrian hamsters. Society for Neuroscience Annual Meeting, San Diego, California, November 2001.

R.M. Blum; J. Swanson; J.E. Schneider Dietary genistein decreases the age and weight of puberty and facilitates sex behavior in Syrian hamsters. Society for Neuroscience Annual Meeting, San Diego, California, November 2001.

Blum, R.M., Schneider, J.E. Fasting-induced anestrus is associated with low, while insulin-induced anestrus is associated with high plasma leptin concentrations. Society for Neurosciences Annual Meeting, New Orleans, Louisiana, November, 2000.

Schneider, J.E., Syre, P. and Alunni, C. Leptin interacts with metabolic fuel availability to control estrous cycles but not food intake in Syrian hamsters. Society for Neurosciences Annual Meeting, New Orleans, Louisiana, November, 2000.

Zhou, D. Blum, R.M., Schneider, J.E. An impaired hyperglycemic response to repeated glucoprivation is not a sufficient stimulus for anestrus. Society for Neurosciences Annual Meeting, New Orleans, Louisiana, November, 2000.

Owzar, K., Goldner, J., Blum, R. M., Little, P. Leptin concentrations increase after refeeding in adipose tissue but not in plasma. Society for Neurosciences Annual Meeting, New Orleans, Louisiana, November, 2000.

R. M. Blum, H. Ji, M. I. Friedman, P. Little, and J. E. Schneider. Estrous cyclicity can be dissociated from plasma leptin concentrations but not from circulating metabolic fuels. Society for Neurosciences Annual Meeting, Miami Beach, Florida, October, 1999.

D. Zhou and J. E. Schneider. Fourth ventricular leptin prevents fasting-induced anestrus in Syrian hamsters. Society for Neurosciences Annual Meeting, Miami Beach, Florida, October, 1999.

J. Schneider and D. Zhou. Treatment with SHU9119 increases food intake but does not induce anestrus in Syrian hamsters fed *ad libitum*. Society for Neurosciences Annual Meeting, Miami Beach, Florida, October, 1999.

J. Schneider, Primary metabolic sensory signals that control estrous cycles in Syrian hamsters. American Neuroendocrine Society, June, 1999.

D. Zhou and J. E. Schneider Leptin treatment restricted to the fourth cerebral ventricle prevents fasting-induced anestrus in Syrian hamsters. Society for Behavioral Neuroendocrinology, Charlottesville, Virginia, June, 1999.

Drazen, D., Kriegsfeld, L. J., Schneider, J.E., Nelson, R.J. Reproductive response to photoperiod affects immune function and leptin concentrations in Siberian hamsters. Society for Behavioral Neuroendocrinology, Charlottesville, Virginia, June, 1999

D. Zhou, J. E. Schneider, M.I. Friedman, H. Ji. Intracerebroventricular leptin treatment affects estrous cycles indirectly by increasing metabolic fuel oxidation. Society for Neurosciences Annual Meeting, Los Angeles, California, November, 1998.

J.E. Schneider, G.N. Wade and M.I. Friedman. Possible biological roles of leptin. Society for Behavioral Neuroendocrinology, Emory University, Atlanta, Georgia, June, 1998.

E. Keen, J. Faroun, K. Owzar, R. Blum, J. E. Schneider. Effects of leptin on neural activation in Syrian hamsters. Society for Behavioral Neuroendocrinology, Emory University, Atlanta, Georgia, June, 1998.

D. Zhou and J. E. Schneider. Whether applied to the brain or periphery, leptin acts indirectly via effects on fuel metabolism. Society for Behavioral Neuroendocrinology, Emory University, Atlanta, Georgia, June, 1998.

N. Black and J.E. Schneider. Decreased fatty acid oxidation synergizes with fasting to increase neural activation in the area postrema. Society for Behavioral Neuroendocrinology, Emory University, Atlanta, Georgia, June, 1998.

J. E. Schneider, M.D. Goldman, S. Tang, and B. Bean. Leptin metabolic fuels and reproduction in Syrian hamsters. Society for Neuroscience Annual Meeting, New Orleans, Louisiana, October, 1997.

B.C. Finnerty, D. Jacobs, M. Szajna, J.M. Swann, and J.E. Schneider. The combined use of immunocytochemistry and lesions in the study of neural pathways underlying metabolic control of reproduction. Society for Neuroscience Annual Meeting, Washington, D.C., November, page 86, 1996.

B. C. Finnerty, M. D. Goldman, N. A. Leo, N. R. Davi, E. S. Barnett, Y. Zhu and J. E. Schneider. Effects of Metabolic Fuel Utilization on Neural Activation in the Central Nervous System and its Relation to Estrous Cycles and Caloric Homeostasis. Conference on Reproductive Behavior, Boston University, Boston, Massachusetts, June, 1995.

D. A. Marder, J. T. Raia and J. E. Schneider. Effects of Food Deprivation on Aggression and Sex Behavior in Female Syrian Hamsters. Conference on Reproductive Behavior, Boston University, Boston, Massachusetts, June, 1995.

B.C. Finnerty, Y. Zhu, and J.E. Schneider. Decreased glucose, but not fatty acid availability increases FOS-like immunoreactivity in the caudal brain stem of female Syrian hamsters. Society for Neuroscience Annual Meeting, Miami, Florida, November, 1994.

B.C. Finnerty, Y. Zhu, and J.E. Schneider. The effects of different metabolic challenges on FOS-like immunoreactivity in the caudal brain stem of Syrian hamsters. Conference on Reproductive Behavior, Lehigh University, Bethlehem, Pennsylvania, June, 1994.

M. D. Goldman, M. Rosen, Y. Zhu and J. E. Schneider. Central Metabolic Cues are Sufficient and Peripheral Neural Cues are Not Necessary For the Effects of Glucose Availability on Estrous Cycles and Neural Activation in the Area Postrema of Syrian Hamsters. Conference on Reproductive Behavior, Lehigh University, Bethlehem, Pennsylvania, June, 1994.

Schneider, J.E., Y. Zhu, J.M. Swann, and J.M. Gabriel. Glucose detectors in the caudal brain stem control estrous cycles in Syrian hamsters. Society for Neuroscience, Washington, D.C., November, 1993.

Schneider, J.E. Metabolic sensory systems involved in female reproductive behavior and physiology. Conference on Reproductive Behavior, Michigan State University, East Lansing, Michigan, June, 1993.

Schneider, J.E., A.J. Hall, D.G. Friedenson, M.H. Brown and G.N. Wade. Signals generated in CNS glucose metabolism affect estrous cycles in Syrian hamsters. Society for Neurosciences, New Orleans, Louisiana, November, 1991.

Bhatia, A.J., J.E. Schneider and G.N. Wade. Effects of energy intake, demand, and partitioning on nestbuilding in Syrian hamsters. Society for Neurosciences, New Orleans, Louisiana, November, 1991

Schneider, J.E. and G.N. Wade. Insulin-induced anestrus in Syrian hamsters. Society for Neurosciences, St. Louis, Missouri, November, 1990.

Dickerman, R., J.E. Schneider, and G.N. Wade. Decreased availability of metabolic fuels or food deprivation attenuates the preovulatory LH surge in Syrian hamsters. Society for Neurosciences, St. Louis, Missouri, November, 1990.

Schneider, J.E. and G.N. Wade. Metabolic control of reproductive effort in Syrian hamsters. Twenty-second Conference on Reproductive Behavior, Emory University, Atlanta, Georgia, June, 1990.

Schneider, J.E. and G.N. Wade. Estradiol treatment reinstates sexual receptivity in hamsters made anovulatory by treatment with metabolic inhibitors. Society for the Study of Reproduction, Columbia, Missouri, August, 1989.

Schneider, J.E. and G.N. Wade. Metabolic control of sex and maternal behavior. Federation of American Societies for Experimental Biology Summer Research Conference: Regulation of Energy Balance and Nutrient Partitioning, Saxtons River, Vermont, July, 1989.

Schneider, J.E. and G.N. Wade. Effects of body weight and food supply on maternal cannibalism in Syrian hamsters. Twenty-first Conference on Reproductive Behavior, Skidmore College, Saratoga Springs, New York, June, 1989.

Schneider, J.E. and G.N. Wade. Metabolic control of estrous cycles in Syrian hamsters. Society for Neurosciences, Toronto, Canada, November, 1988.

Schneider, J.E. and G.N. Wade. Metabolic signals mediating effects of starvation on reproduction in hamsters. Society for the Study of Reproduction, Seattle, Washington, August, 1988.

Schneider, J.E. and G.N. Wade. Common mechanisms mediating effects of starvation on reproduction in hamsters. Eighteenth Annual Steenbock Symposium on Biochemistry, Madison, Wisconsin, July, 1988.

Schneider, J.E. and G.N. Wade. Litter size and sex ratio in hamsters: influence of mothers' fatness and food supply. Society for the Study of Evolution and American Society of Naturalists, Asilomar, California, June, 1988.

Schneider, J.E. and G.N. Wade. Prior adiposity buffers the effects of starvation on estrous cycles and sex behavior in Syrian hamsters. Nineteenth Conference on Reproductive Behavior, Tlaxcala, Mexico, June, 1987.

Schneider, J.E. The effects of ovarian steroids on brown adipose tissue in cold-acclimated mice selectively bred for differences in nestbuilding. *Behavior Genetics*, 16:635, 1986.

Schneider, J.E., J.M. Hamilton and G.N. Wade. A possible genetic association between nestbuilding and brown adipose tissue thermogenesis in house mice. International Symposium on Living in the Cold, Fallen Leaf Lake, California, October, 1985.

Schneider, J.E. and J.M. Hamilton. Physiological aspects of thermoregulation in cold-acclimated mice from lines selected for nestbuilding. *Behavior Genetics*, 15:610, 1985.

Schneider, J.E., E. Haller, M. Stern, D. Block, and C.B. Lynch. The influence of exogenous progesterone on lines of mice divergent for maternal nesting. *Behavior Genetics*, 10:494-495, 1980.

Schneider, J.E., E. Haller, L.L. Demlow, and C.B. Lynch. Progesterone and maternal nesting in three inbred strains of mice. *American Zoologist*, 19:935, 1980.

Schneider, J.E., M. Batchelder, and C.B. Lynch. Developmental and experiential influences on nestbuilding in five strains of laboratory mice. *Behavior Genetics*, 8:565-566, 1978.

Performances

-The Great Jembe Jam, Musikfest, Bethlehem, PA 2016

-Lehigh Valley Drum Circle Ensemble, May Fair, Allentown, PA 2016

-The Great Jembe Jam, Musikfest, Bethlehem, PA 2014

-Lehigh Valley Drum Circle Ensemble, May Fair, Allentown, PA 2011

-The Great Jembe Jam, Musikfest, Bethlehem, PA 2011

-Jamani Drummers, Musikfest, Bethelhem, PA, 2010

-Lehigh Valley Drum Circle Ensemble, MayFair, Allentown, PA, May 2010

-Jamani Drummers, Vagina Monologues, Packer Auditorium Lehigh University, 2008 and 2009.

-Jamani Drummers, Lehigh Valley Mall, October, 2007

-Lehigh Valley Drum Circle Ensemble, Vagina Monologues, Zoellner Arts Center, - Lehigh, February, 2007

-Lehigh Valley Drum Circle Ensemble, Allentown Fair, Allentown, PA, August, 2007

-Lehigh Valley Drum Circle Ensemble, MayFair, Allentown, PA, May, 2007

-Lehigh Valley Drum Circle Ensemble, Arts Lehigh, December, 2006

-Lehigh Valley Drum Circle Ensemble, Allentown Fair, Allentown, PA, August, 2006

-Lehigh Valley Drum Circle Ensemble, MayFair, Allentown, PA, May, 2006

-Lehigh Valley Drum Circle Ensemble With Jim Donovan of Rusted Root, MayFair, Allentown, PA, May, 2005

-Lehigh Valley Drum Circle Ensemble, Palisades Middle School, Hellertown, PA, 2003

-Lehigh Valley Drum Circle Ensemble, Volksplatz, Musikfest, Bethelhem, PA, August, 2003

-Vagina Monologues, Zoellner Arts Center, Lehigh University, February, 2003

-Lehigh Valley Drum Circle Ensemble, Foy Concert Hall, Moravian College, Bethelhem, PA, October, 2002

HONORS AND AWARDS

- 1) Outstanding Reviewer, Elsevier, *Hormones and Behavior*, 2013-2014.
- 2) F1000, Faculty of 1000, 2012-2017
- 3) NSF ADVANCE CHAIR, Appointed 2011-2014.
- 4) Recognition for distinguished service as Chair of the Education Committee, Society for Behavioral Neuroendocrinology, awarded in Scottsdale Arizona, June 2002.
- 5) Distinguished Associate Professorship, Endowed by Lehigh University Class of 1961, 1995-98
- 6) Research Scientist Career Development Award, National Institute of Mental Health, 1994-99
- 7) Frank A. Beach Award, Society for Neuroscience Behavioral Endocrinology Group, 1991
- 8) Honors in Psychology, Florida State University, 1977

GRANTS RECEIVED

Research Grants Received as Principal Investigator

NSF-REU Supplement (\$10,000 6/1/14-8/30/14)

NSF IOS1257876, "Steroid-neuropeptide interactions that optimize reproductive success when energy availability fluctuates" (\$480,000, 9/1/2013-8/31/2019)

NIH (NIDDK) "Rapid Restoration of the HPG System" (\$617,750.00, 9/1/2005-8/31/08)

NSF, "Metabolic Control of Behavior" (2nd renewal)(\$309,000.00, 2001-2005)

NSF, "Metabolic Control of Behavior" (renewal, \$277,000.00, 1997-2001)

NIH (NIDDK), "Glucoprivic Control of Reproduction" (\$640,000.00, 1997-2002)

NIMH, Research Scientist Career Development Award (\$312,549.000, 1994-99)

NSF, "Metabolic Control of Behavior" (\$340,000.00, 1992-97)

NSF, "Genetic Differences in Response to Hormones" (\$88,000.00, 1988-90)

Grant-In-Aid of Research, Society for *Sigma Xi* (\$800.00, 1980)

Research Grant Received as Collaborator

NSF Career Award, awarded to a former Lehigh student of mine, Erin Keen-Rhinehart, Susquehanna University, Selensburg, PA CAREER: Impact of maternal nutrient availability on offspring neuroendocrinology and behavior. I am named as a consultant and this grant funds the lab supplies and meeting travel of my graduate student, Jeremy Brozek's research and that of future students who work on this project, 2014-2019.

NIH Training Grant, awarded to Monell Chemical Senses Center, Philadelphia, PA
(\$40,000.00 in the form of a stipend and tuition for my graduate student, 2002-2004)

EDITOR/EDITORIAL REVIEW BOARD MEMBERSHIP FOR SCHOLARLY PUBLICATIONS

Hormones and Behavior, Elsevier, Editorial Board, 2000-2009 and 2012 to present.

Journal of Neuroendocrinology, Wiley, Editorial Board, 2013 to present.

Faculty of 1000, Associate Reviewer, Integrative Physiology Section of the Physiology Faculty. Online review service. <http://f1000biology.com/home/> 2010-present.

Ad hoc Reviewer of Journals (partial list):

Hormones and Behavior, 1993-present, *Journal of Neuroscience*, 2006-2015; *Journal of Neuroendocrinology*, 2006-present; *Behavioral Neuroscience*, 2006, 2013; *Journal of Comparative Neurology*, 2006, 2013; *Animal Feed Science and Technology*, 2006, *Central European Journal of Biology*, 2006; *Brain Research*, 2003, 2006, 2013 *Proceedings of the National Academy of Science*, 2002-2005, 2013, *Journal of Sex Research*, 2003, 2006, 2010-2017; *Journal of Clinical Endocrinology and Metabolism*, 2002; *Endocrinology*, 1998-2014, *American Journal of Physiology*, 1995-2017; *Physiology and Behavior*, 1994-2017; *Life Sciences*, 1999; *Biology of Reproduction*, 1998, 2010-2-14; *Journal of Experimental Biology and Medicine*, 1997-2003, *Journal of Mammalogy*, 1995.

CONFERENCE GRANTS RECEIVED

Lehigh Provost: Molecular and Neuroendocrine Approaches to Understanding Tradeoffs: Food, Sex, Aggression, Stress, and Longevity, An all-day symposium at the Society for Integrative and Comparative Biology in New Orleans, Louisiana, January 5, 2017, <http://www.sicb.org/meetings/2017/symposia/tradeoffs.php>

NSF, "International Meeting of the SBN, Madrid, Spain" (\$10,000.00, 2000-2001)

NSF, "Meeting of the SBN, Scottsdale Arizona" (\$10,000.00, 2001-2001)

Professional Affiliations

American Association for the Advancement of Science
Association of Neuroscience Departments and Programs
Society for Behavioral Neuroendocrinology until 2015
Society for Integrative and Comparative Biology
Society for Neuroscience
Society for the Study of Ingestive Behavior until 2015

TEACHING AND ADVISING

Courses Taught in Last Five Years (sabbatical 2001-2, 2008-9, 2017-8)

Unrostered:

Write Club: Summer Writing Workshop for Graduate Students (6 students 2019)
Course: Writing Boot Camp for Graduates (4 graduate students 2018)
Summer Course: Writing Boot Camp (4 graduate, 2 undergraduate students 2017)
Lecture: Getting the Most Out of your Program (graduate, summer, research) given in the Lehigh, Lecture in University Biodynamics Systems Institute (BDSI) program (1998)

Rostered:

Course: Behavioral Endocrinology (81 undergraduates, 2-4 graduate students/year)
Course: Advanced Behavioral Neuroendocrinology (2-5 graduate students/year)
Course: Professional Skills in Biological Sciences (2-5 graduate students/year)
Course: Reproduction in Context (6 graduate students)
Course: Fat Biology (college seminar with 20 first year undergraduates)

Students Advised in Last Five Years (other than research supervision)

Undergraduate: 10-15 Behavioral Neuroscience Majors/year
Graduate: See names below

Students Supervised in Their Research

Undergraduate: minimum 2-4/year
Doctoral: See names below

Doctoral Students in my laboratory at Lehigh University

Dan Zhou, Ph.D., 2002
Robert Blum, Ph.D. 2004
Carol Buckley, Ph.D. 2007
Laura Szymanski, Ph.D. 2009
Candace Klingerman, Ph.D. 20011
Justina Wise, 2013, moved to Swan lab
Melynda Dalzon, 2014, moved to Miwa lab
Noah A. Benton, Ph.D. 2016
Jeremy Brozek, Ph.D. 2017
Attilio Ceretti (2018-present)

Masters Students in my laboratory at Lehigh University

Bridget Finnerty, 1993-1997
Kiana Owzar, 1997-2000

Doctoral Committees At Lehigh University

Maurice Sipos, 1991-1994
Athena Colger-Clifford, 1991-1997
John Leiser, 1997-2003
Nick Santangelo, 1997-2003
Jing Wang, 1998-2004
Abigail Pattishall 2004-2008
Bradley Walters 2007-2010
Vance Imhoff 2016-2017
Tim Paciorek 2015-2017
Joe Bague 2015-2017
Kristin Anderson 2016-present
Jacinta Davis 2019-present

Thesis Committees Outside Lehigh University Department of Biological Sciences

Master's Thesis of Alfonso Ibizaid, Department of Psychology, Concordia University,
Canada, 1995, Present: Postdoctoral Research Associate, University of South
Florida,.

Ph.D. Thesis of Amy O'Brian, Department of English, Lehigh University, Present
location unknown

Ph.D. Thesis of Diane E. Day-Balch, Department of Biology, Georgia State University
Present: Postdoctoral Research Associate, Georgia State University

Ph.D. Thesis of Katheryn Backholer, Department of Physiology, Monash University,
Clayton, Victoria, Australia, 2006-2009.

Ph.D. Thesis of Leila Arbabi, Department of Physiology, Monash University, Clayton,
Victoria, Australia, 2017-2019.

Ph.D. Qualifying Exam Committees

Maurice Sipos, 1992

Sue McKenna, 1994

Dan Zhou, 1999

Robert Blum, 1999

Nicholas Santangelo, 1999

Jing Wang, 2000

Laura Szymanski, 2003

Carolyn Buckley, 2003

Jennifer Gagliardi, 2003

Natalie Van Brueklyn, 2003

Xinlang Li, 2006 and 2007

Abigail Patishall, 2006

Bradley Walters, 2007

Jennifer Snekser, 2007

Matthew Close, 2007

Joseph Leese, 2008

Matthew Fischel, 2008

Vance Imhoff, 2008

Timothy Garlick, 2009

Candice Klingerman, 2009

Jeremy Brozek, 2010

Kim Little, 2010

Noah Benton, 2012

Andrew Black, 2012

Justina Wise, 2013

Joseph Brague, 2014

Andrew Bloch, 2014
Layla ElAshir, 2014
Michael McQuillan, 2014
Kristin Anderson, 2015
Melinda Dalzon, 2016 (temporary member)
Nunana Gamedoagbao, 2017
Jacinta Davis, 2019
Joan Spinelli, 2020
Mitchell Vaughn, 2020

PROFESSIONAL SERVICE

Lehigh University Professional Service

(* = multidisciplinary cross college service)

- *Chair, Institutional Animal Care and Use Committee (IACUC) 2011-2014
- *Member, Institutional Animal Care and Use Committee (IACUC) 1992-2014
- *Manager, Central Animal Facility (CAF) 1996-2018 (except when on sabbatical)
- *NSF ADVANCE CHAIR, 2011-2014
- *Lehigh University Research Council, 2004-2006
- *Graduate and Research Committee, 2005-2006
- *Graduate Life Committee (a subcommittee of the GRC), 2005-2006
- *Chair, Graduate and Research Committee, 2004-2005
- *Graduate and Research Committee, 2003-2004, 2009
- *Funding Workshop for New Faculty, 2002-2003
- *Lipsch Award Committee, 2002-2003, 2004-2006
- *Bioengineering Curriculum and Proposal Development Committee, 2000-2001.
- *Co-chair, Cross-college Workshop on Biological Sciences/Biotechnology, 2000
- *Ventures Proposal Committee, 1999-2001
- *Search Committee for the Vice-Provost for Research, 1999
- *Visiting Lecture Series, 1997-1999
- *Women in Science and Engineering, 1992-1997
- *C.H.O.I.C.E.S. Program Participant 1993-2000, 2003, 2005

College of Arts and Science Professional Service

College of Arts and Sciences Promotion Committee, Chair, 2020

College of Arts and Sciences Promotion Committee, 2019

College of Arts and Sciences Tenure and Promotion Committee, Chair, 2015

College of Arts and Sciences Tenure and Promotion Committee, 2014, 2016

College Policy Committee Member, 2013

College Policy Committee Member, 2008

Chair, College Policy Committee, 2009

Search Committee Member for the Earth and Environmental Sciences Faculty Position, 2001

Women's Studies Program, 1992-1997

Department of Biological Sciences, Professional Activities

Search Committee Chair, Visiting Assistant Professor Organismal Biology, 2020

Search Committee Member, Infectious Disease 2016

Search Committee Co-chair, Neuroscience I and II, 2012

Search Committee, Evolutionary Biology, 2010-2011.

Search Committee Member, Microbiology, 2008-2009.

Search Committee Member, Evolutionary Biology, 2006-2007.

Chair, Search Committee for Receptor Biology Search 2004-2005.

Search Committee Member for Evolutionary Biology, 2002-2003.

Chair, Search Committee for Integrative Systems Physiologist Search, 2000-2001.

Graduate Committee, member 1995-2012

co-author of the Graduate Committee Evaluation Document, 1999.

Department Colloquium Series Organizer, 1998-2001.

Representative to the Association of Neuroscience Departments and Programs, 1995-present

Howard Hughes Outreach to Marvine Elementary School 1994-99

International/National Committees

Advisory Panel Member, Federal Funding Agencies

National Institutes of Health (NIH, reviews R01 and R21 research grants and career awards)

 NNB Advisory Panel, 2005-2006

 IFCN1 Advisory Panel, 2003

Psychobiology/Behavioral Neuroscience Advisory Panel, 1997
National Institute of Mental Health (NIMH)
Advisory Panel on Eating Disorders, 1998
National Science Foundation (NSF)
Neuroendocrinology Review Panel, 1995
National Science Foundation (NSF) Career Awards, 2014

Ad hoc Reviewer for National Funding Agencies (1990-2014): National Science Foundation, National Research Council of Canada; National Science Foundation, "Neuroendocrinology", "Animal Behavior"; United States Department of Agriculture, "Reproductive Biology"; National Institute of Health, "Mammalian Physiology".

International/National Societies

Member, Executive Committee, Society for Behavioral Neuroendocrinology, 2006-2007

Chair, Awards Committee, Society for Behavioral Neuroendocrinology, 2003-2006

Chair, Education Committee, Society for Behavioral Neuroendocrinology, 1999-2001

Education Committee Member, Society for Behavioral Neuroendocrinology, 1998-1999

Membership Committee, Society for Behavioral Neuroendocrinology, 2014