

Curriculum Vitae

**TERESA H. HORTON**

Associate Professor of Research  
Department of Anthropology,  
Weinberg College of Arts and Sciences  
Northwestern University

**General Information**

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**Research Summary:**

As an environmental physiologist, I am an interdisciplinary scientist. I use the principles of anthropology, behavioral endocrinology, ecology, evolution, neuroscience and physiology to investigate the mechanisms by which organisms adapt to their environment. My early work focused on the neural and endocrine mechanisms by which rodents adapt to seasonal changes in day length, temperature, and energy availability; mechanisms that enable animals to be flexible in the face of environmental change. Because increasing numbers of humans live in urban areas, experience the chronic stresses of urban life, and suffer the diseases of chronic stress, I have begun to apply similar techniques and paradigms to investigate humans and the physiological and behavioral responses to their environment. My current research uses biomarkers and psychological assessments to test the hypothesis that access to natural landscapes contributes to improved health, wellbeing, and resilience of humans by offering an escape from the stressors of urban life.

**Education**

B.S. Zoology, 1979 University of Washington, Seattle, Washington (with College Honors)  
Ph.D. Biology, 1984 University of Utah, Salt Lake City, Utah. (Dissertation: *Variability in Responses to Photoperiod by the Vole*).  
1984-1986 Postdoctoral Fellow, Department of Neurobiology and Physiology, Northwestern University (With Dr. Neena B. Schwartz)  
1986-1989 Postdoctoral Fellow School of Life and Health Sciences, University of Delaware (With Dr. Milton H. Stetson)

**Honors and Awards**

1982-83 University Research Fellow, University of Utah  
1991 Kent State University, Research and Creative Activities Award. Fall Semester

**Professional Experience/Appointments**

1979 Stipendium für Ausländer (support for foreign visitor), Max Planck Institut für Verhaltensphysiologie, Abteilung Aschoff, Federal Republic of Germany. (Research Associate to Dr. K. Hoffmann, Summer).  
1990- 94 Assistant Professor, Kent State University, Kent, OH.  
1993-94 Visiting Scholar, Department of Neurobiology and Physiology, Northwestern University, Evanston, IL  
1994-04 Research Neurobiologist/Assistant Professor, Department of Neurobiology and Physiology, Northwestern University, Evanston, IL  
1994-pres. Member. Center for Reproductive Science. Northwestern University.

- 1995-2000 NSF Science and Technology Center: Center for Biological Timing. A consortium including faculty from the University of Virginia, Northwestern University, Rockefeller University, and Brandeis University. (Center closed in 2000, end of 10 yr. limit imposed by NSF)
- 1996-2000 Asher Center for the Study and Treatment of Depressive Disorders, Department of Psychiatry and Behavioral Sciences, Northwestern University Medical School.
- 1996-2014 Lecturer, Undergraduate Program in Biological Sciences, Weinberg College of Arts and Sciences, Northwestern University, Evanston, IL (50% appointment)
- 2004-2010 Research Neurobiologist/Associate Professor (promotion), Department of Neurobiology and Physiology, Northwestern University, Evanston, IL
- 2000-pres Member. The Center for Sleep and Circadian Biology. Northwestern University.
- 2004-2013 Director, Science and Engineering Research and Teaching Synthesis (SERTS)
- 2005-2013 Director, Interdisciplinary Committee on Evolutionary Processes (ICEP)
- 2011-12 Research Associate Professor. Department of Physiology, Feinberg School of Medicine, Northwestern University, Chicago, IL. (50% appointment)
- 2012-2014. Research Associate Professor. Department of Anthropology, Human Biology, Northwestern University, Evanston, IL. (50% appointment)
- 2014-2015 Research Affiliate. Department of Anthropology, Human Biology, Northwestern University, Evanston, IL (unpaid position).
- 2015-present Associate Professor of Research. Department of Anthropology, Human Biology, Northwestern University, Evanston, IL (50% 2015-2016; 100% 2016-present).

### **Teaching Experience**

**Kent State University:** Human Physiology, Introductory Biology Laboratory, Endocrinology, Graduate Seminar on Circadian Rhythms

**Northwestern University:** Freshman seminars (Biol Sci 101-6 and 102-6), Human Reproduction (Biol Sci 160), Reproduction and the Environment (General Studies, 380-7), Biological Clocks (Biol Sci 124), Environmental Biology (Biol Sci 204), Biology in the Information Age (Biol Sci 101-0), Animal Behavior (Biol Sci 320), Endocrinology (Biol Sci 356), Capstone Seminar in Evolutionary Processes (Biol Sci 397), Neuroendocrine Basis of Metabolic Disorders (NUIN 499)

### **Undergraduate Advising Experience**

Program in Biological Sciences, Northwestern University. Biological Sciences Majors, Physiology and Neuroscience Concentration.

WCAS, Freshman Advisor, including service in the pilot program for the First Year Experience Project.

### **Other Special Roles**

Fellow Women's Residential College, Northwestern University. 2012-2017.

Director Interdisciplinary Committee on Evolutionary Processes (ICEP) and the associated Minor in the Study of Evolutionary Processes. 2005-2011.

Director Science and Engineering Research and Teaching Synthesis Program (SERTS). 2008-2012.

### **Graduate Students Supervised**

1991-93	M.S., Kristina M. Stanfield. Kent State University (PhD, London School of Hygiene and Tropical Medicine, 2013)
1993-94	M.A., G. Richard Robusto. M.A. Kent State University (D.O. Ohio University, 1999)
1997-98	M.S., Min Byong Kyoung
1998-99	M.S., Monica Sierszulski, Jeremy Vanburen, Viktor Tsirlina (M.D.),
2001	Ph.D., Daniel Kolker (co-advised with Dr. Fred Turek).
2002	Ph.D., Sonali Anand (co-advised with Dr. Fred Turek).
2005	Ph.D., Brooke Miller (co-advised with Dr. Joseph Takahashi)
2005	M.S., Aisha Kung, (DVM)
2010	MS, Amy Flowers (Masters in Biotechnology, co-advised with Dr. Jon Levine)

### **Other Graduate Student Committees**

2015	MPH Students, Culminating Experience Committee Member for three students (Morgen K. Hoke, Amber Kofman, and Sarah R. Taylor)
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### **Undergraduate Independent Study Students Supervised**

1985-94	Twelve students (Institutions other than NU)
1993-06	Twenty-two students through August 2006 (Program in Biological Sciences, NU)
2006-07	Patrick Ahearn, Rebecca Poliwka
2007-08	Jamie L. White, Kalen Rimar, Jennifer Taylor
2007-09	Jennifer E. Taylor (Winner of the David Shemin Prize Basic Research)
2009-10	Charles Muller, Katherine M. Swanson (Ms. Swanson is a student at the College of William and Mary, she is working on a collaborative project with Dr. Paul Heideman, Professor of Biology, College of William and Mary, and me. She received a very prestigious Monroe Scholarship from the College of William and Mary to work on this project at NU in the summer of 2010. ).
2016-17	Hollyn Cetrone, Annie J. Lee
2017-18	Hollyn Cetrone

### **Society Memberships**

Child and Nature Network  
Human Biology Association  
Society for Behavioral Neuroendocrinology

### **Grants Received**

1982	National Science Foundation, Dissertation Improvement Grant in Population Biology and Ecological Physiology, \$6,500.
1986	The Alumnae of Northwestern University Research Grant, \$2,500.
1987	National Research Service Award. National Institute of Child Health and Human Development. \$25,000.
1990	Biomedical Research Support Grant (Kent State University). \$1750.00
1991	Biomedical Research Support Grant (Kent State University). \$1017.00
1992	National Science Foundation. <u>Investigations into the mechanism of maternal transfer of photoperiodic information.</u> Period: 4/93-3/95 (Extended to 9/96). Total award \$156,000.

- 1993 William and Flora Hewlett Foundation. Integrated University Research Teams in Multiple Departments to Teach Science at Introductory Level to Undergraduate Students. Total award \$150,000. (Co-PI with Fred Turek).
- 1997 **NIH R01 HD-09885-21** (PI: Turek, F.W., Horton, Co-PI). Photoperiodic control of reproduction: effects of age. 06/30/76-6/30/01. \$148,097. Annual Direct Costs.
- 1994 **NIH P01 AG 11412** (Project Director: Van Cauter, E. Project 3. Turek, F.W. PI, Horton, Co-PI). Alterations in Circadian Timing in Aging- Project 3 - Altered Rhythms & Aging: Mechanism & Restoration of Function. 12/01/97-11/30/02. \$191,757 Annual Direct Costs.
- 1995 **NIH P01 HD-21921-11** (Project Director: Mary Hunzicker-Dunn) (Project 1. Co-PI with Turek, F.W.). FSH: Control and Action. 12/01/98-11/30/03. \$115,545 Annual Direct Costs.
- 1996 Science and Engineering Research and Teaching Synthesis. A Cross School Initiative. Deans of Northwestern University. T. H. Horton, PI, T.O. Mason, Co-PI. 03/01/99-04/30/02. \$20,000 Annual Direct Costs.
- 2000 **L/MH/AG/NS/64147** (PI: Turek, F.W., M.H. Vitaterna, Co-PI, Horton, collaborator). Stress Effects on Sleep: Influence of Genes and Gender. 9/30/99-9/29/03. \$225,000 Annual Direct Costs.
- 2002 **Merck & Co.** (PI: T.H. Horton, B.C. Woods and F.W. Turek, co-investigators). The influence of a neuropeptide Y Y5 receptor antagonist on photic and non-photoc input to the circadian pacemaker. 6/01/02-02/01/05
- 2002 **P50 HD44405-01** NIH/NICHD, (Center Director A. Dunaif, Center Co-Director: J. Levine; T. Horton – Key Personnel) 9/1/02-8/30/07; Specialized Center of Research: Gender Issues Affecting Women’s Health, Project IV: Effects of Androgens on Female Reproduction
- 2007 **P50 HD44405-06** NIH/NICHD, (Center Director A. Dunaif, Center Co-Director: J. Levine; T. Horton – Co-Investigator) (9/1/07-8/30/12). Specialized Center of Research: Gender Issues Affecting Women’s Health, Project IV: ANDROGENIC PROGRAMMING OF NEUROVISCERAL CONTROL SYSTEMS
- 2007 **R03 AG030181-01 NIH/NIA** (PI J. E. Levine, Investigator T. H. Horton) “Disregulation of Potassium Channels in Menopausal Hot Flashes”. 04/01/07-03/31/09
- 2011 **R15 HD068962-01** (PI. P.D. Heideman, Investigator T.H. Horton). 04/01/2011-03/31/2014. Combinatorial contributions of heritable neuroendocrine variation to male infertility.
- 2015 **NCCP 15-10-001**. Forest Preserves of Cook County (PI. T.H. Horton). 12/01/2015-11/30/2016. Walking Green: Developing an evidence-base for Nature Prescriptions.
- 2016 **University of Minnesota**, Grant in Aid of Research. (PI. Mark Pereira, Dept. of Epidemiology, University of Minnesota; Horton primary collaborator). Walking Green: Developing an evidence-base for Nature Prescription. The GIA provides support for establishing a new research collaboration on the health benefits of nature which extend the Walking Green project to older adults.
- 2016-18 **The Negaunee Foundation**. Salary and additional research support for Walking Green.
- 2019-24 **NIH R01CA239187-01** NIH/Time-sensitive Obesity Policy and Program Evaluation, PAR-15-346. (PI. Amber L. Pearson, Department of Geography, Environment, and Spatial Sciences, Michigan State University; Horton co-investigator). Impact of ecological park restoration on health in low income neighborhoods: A natural Experiment. Total direct costs: \$3,318,692.

## **University, Professional and Public Service**

### **Kent State University**

- 1990 Undergraduate Curriculum Committee
- 1991 Chairman Review Committee
- 1991 Ten Year Plan Committee
- 1991 Howard Hughes Undergraduate Science Initiative (Kent State University) Proposal Preparation Committee
- 1991-92 Graduate Studies Committee
- 1992 Search Committee -Human Physiology Position, Kent State University, Trumbull Campus

### **Northwestern University**

- 1994 Organizing Committee, Northwestern University Conference on Women in Science
- 1996 Educational Infrastructure Committee, Department of Neurobiology and Physiology, Northwestern University.
- 1997-98 UPBS, Lecturer Search Committee
- 2004 PBS Search Committee (Plant Ecologist Search for two joint positions with the Chicago Botanic Garden)
- 2006-09 SAHAS (Sexual Assault Hearing and Appeals System) Committee Member
- 2006-08 GFC Benefits Subcommittee
- 2007 Department of Anthropology, Medical Anthropologist Search Committee
- 2008-09 Chair, One Book One Northwestern (University-wide community reading project) The Reluctant Mr. Darwin  
<http://www.northwestern.edu/onebook/archive/2008-09/index.html>
- 2008-09 Member, Planning Committee, Regional Conference "Motherhood and Success in Science and Engineering" (with University of Chicago and Northwestern University and several other co-sponsors)  
<http://www.regonline.com/builder/site/Default.aspx?eventid=723086>
- 2010-13 Member, One Book One Northwestern Long-term Planning Committee.

### **Regional Committees**

- 2015-pres Nature, Culture and Human Health (NCH2) Working Group. Chair of the Steering Committee. <https://www.chicagobotanic.org/nch2>
- 2015-pres Forest Preserves of Cook County, Next Century Conservation Plan, People Committee. <http://nextcenturyconservationplan.org/technical-report/technical-report-goal-2/>
- 2016-2017 Chicago Wilderness Association. Beyond the Choir Focus Group. <http://www.chicagowilderness.org/page/BeyondtheChoir>

### **National Committees and Scientific Advisory Panels**

- 1985 Society for the Study of Reproduction, Trainee Affairs Committee.
- 1988 American Society of Mammalogists. Ad-hoc Committee on Animal Husbandry Protocols.
- 1990-96 American Society of Mammalogists. Program Committee. (Chair from 1992-1996)
- 1992-94 American Society of Mammalogists. 75<sup>th</sup> Anniversary Committee.
- 1996 Society for Research on Biological Rhythms. Nominating Committee.

- 1996-98 American Society of Mammalogists. Animal Care and Use Committee  
 1996-98 American Society of Mammalogists. Honoraria Committee  
 1999-03 Society for Behavioral Neuroendocrinology, Education Committee (Committee member 1999-2003, chair 2001 – 2003)  
 2000 SENCER (Science Education for New Civic Engagements and Responsibilities) Faculty Working Group. Association of American Colleges and Universities.  
 2007-09 Society for Behavioral Neuroendocrinology, Information Technology Committee, Chair  
 2010 EPA -Federal Insecticide, Fungicide and Rodenticide Act Scientific Advisory Panel (FIFRA SAP, 4/26-30/2010 panel). "Re-evaluation of Human Health Effects of Atrazine"  
 2010-13 Society for Behavioral Neuroendocrinology, Treasurer  
 2010 & 11 NSF- Proposal Review Panelist. Modulation Panel, Neural Systems Cluster.  
 2017-present Physical Activity Research and Policy Network (Nature working group).  
<https://www.cdc.gov/nccdphp/dnpao/division-information/policy/physicalactivity.htm>  
 2018-present ParkRxAmerica.org Advisory Board (<https://parkrxamerica.org/about.php>)

**Consulting Reviewer for the Following Agencies and Journals:** American Journal of Physiology, Biology of Reproduction, Brain Research, International Journal of Environmental Research and Public Health, Journal of Biological Rhythms, Journal of Mammalogy, Journal of Neuroendocrinology, Journal of Reproduction and Fertility, Laboratory Animal Science, Landscape and Urban Planning, National Science Foundation

**Guest Editor:** Internatinal Journal of Environmental Research and Public Health. Special issue titled Evidence for Incorporating Green Exercise into Clinical and Public Health Practice

**Community Service:** Chiaravalle Montessori School- (2000-2001 Roomparent, 2001-2002 Diversity Committee Member); Charles G. Dawes Elementary School PTA- Science Saturday Volunteer, (workshops on DNA extractions and the Wild Mammals of Evanston 2002-2006 for 3-5<sup>th</sup> graders), Treasurer (2005-2007). The Musical Offering Community Music School - Parent Volunteer (2005-2011), Board of Directors (Secretary (2011-2013), President (2013-2014))

**Invited Presentations (since 2000):**

- 2004 The Human Biology Association.** Symposium on Fetal Origins of Developmental Plasticity. **Title of Talk:** Fetal origins of developmental plasticity: Animal models of induced life history variation. ([Link to symposium volume in J Human Biol](http://www3.interscience.wiley.com/journal/109859428/issue) <http://www3.interscience.wiley.com/journal/109859428/issue>)
- 2009 American Aging Association's 38th Annual Meeting and 23rd Annual Meeting of the American College of Clinical Gerontology:** Integrative Biology: Hormones, Signaling and Aging. Phoenix, AZ. Session title: Evolution, Development and Clinical Issues in Aging and Age-related Disease. **Title of talk:** The Thrifty Mother Hypothesis: an Evolutionary View of Aging, Energy and Estrogen. ([Link to Program](http://www.americanaging.org/2009_Final_Program.pdf) [http://www.americanaging.org/2009\\_Final\\_Program.pdf](http://www.americanaging.org/2009_Final_Program.pdf))
- 2014 Nature, Culture, and Human Health.** Where's the Tree: Identifying the Effects of Nature. The Chicago Botanic Garden, Glencoe, IL. December 18, 2014. Title: <https://www.slideshare.net/secret/2B3ACAI8jV29Q>

- 2016 University of Illinois Extension. Annual Conference.** I Hotel and Conference Center, Urbana, IL. November 16-17, 2016
- 2018 Dupage Environmental Summit.** The Conservation Foundation. Northern Illinois University, Naperville, IL. Title: Where's the Tree?  
<https://www.youtube.com/watch?v=W2kBaXt22LM&feature=youtu.be>
- Institute for Cultural Affairs.** Chicago IL. Green and Blue for Better Health. February 27, 2018
- Swedish Covenant Hospital,** Grand Rounds. Chicago, IL. April 26, 2018. Title: Walking Green: Developing an Evidence-base for Green Prescriptions.

**Meeting Presentations since 2000:**

- 2000 Anand S., Turek F.W., **Horton T.H.** Social stimulation of luteinizing hormone (LH) secretion in male Siberian hamsters: nature of the stimulus and potential neural pathways. Joint meeting of the 6<sup>th</sup> International Conference on Hormones, Brain and Behavior & the Society for Behavioral Neuroendocrinology. Madrid, Spain. Abstract #P4-27.
- 2000 Anand S., Turek F.W., **Horton T.H.** Do female pheromones induce male Siberian hamsters to secrete luteinizing hormone (LH)? Soc Neurosci. Abstr, Vol 26, Part 1, p. 2200.
- 2001 Anand S., Turek F.W., **Horton T.H.** Does stress alter female-induced luteinizing hormone (LH) release in male Siberian hamsters? Fifth Annual meeting of the Society for Behavioral Neuroendocrinology, Tempe, AZ.
- 2002 Anand S., Carr V.M., Turek F.W., **Horton T.H.** The olfactory toxicant, dichlobenil, eliminates female-induced luteinizing hormone (LH) release in male Siberian hamsters. Sixth Annual meeting of the Society for Behavioral Neuroendocrinology. Amherst, MA.
- 2003 Miller B.H., Olson S.L., Turek F.W., **Horton T.H.**, Takahashi J.S. Reproductive defects in the *Clock* mutant mouse. Program No. 924.11 Society for Neuroscience.
- 2008 **Horton T.H.**, White, J.L., Oeser M.L., Levine, J.E. Chronic peripheral and rapid central effects of estrogen on tail skin temperature in ovariectomized mice. Endocrine Society 90th Annual Meeting, San Francisco, CA.
- 2009 **Horton T.H.** and Levine, J.E. Estrogen, Ion Channels, and Thermoregulation: From Hot Flashes to Hibernation. American Society of Mammalogists Annual Meeting. Fairbanks, AK. 24-28 June, 2009.
- 2013 **Horton T.H.**, Oeser M.L., Levine, J.E. Association of Estrogen Receptor Alpha and the Two-pore Potassium Channel TREK-1 in the Hypothalamus of Female Mice. The 17<sup>th</sup> Annual meeting of the Society for Behavioral Neuroendocrinology, Atlanta, GA.
- 2017 **Horton T.H.**, Berman M.G., Cetrone H., Koselka E., Lee A.J., Leonard W.R., Norman G.J., and Smith K.E.L. Walking Green: Developing an Evidence Base for Nature Prescriptions. Natural Capital Symposium. Stanford University. Palo Alto, CA. 20-23 March 2017.  
<http://www.naturalcapitalproject.org/natcap2017/>
- 2018 Koselka, E., Lee, A., Cetrone, H., Minasov, A., Leonard, W.R., and **Horton, T.H.** Green Exercise Improves Mood and Reduces Anxiety. Annual Meeting of the Human Biology Association. Austin, TX. 11-12 April, 2018.
- 2018 **Horton, T.H.**, Koselka, E.P.D., Lee, A.J., Cetrone, H.M., Minasov, A., Leonard, W.R., Pereira, M.A., Nogueira De Brito, J., Larson, J.M. Schneider, I.S. Lessons Learned: Implementation of

longitudinal studies of green exercise. International Congress on Integrative Medicine & Health. Baltimore, MD. 8-11 May, 2018.

**T.H. Horton**, E.P.D. Koselka, A. Minasov, L. Weidner, H.M. Cetrone. (2019). Activity and Fasting Blood Glucose: Location, Location, Location. Active Living Research Conference 2019. Charleston, S.C. February 17-20, 2019

### **Symposia Organized (Since 2010)**

2014 **Horton, T.H., Geraghty, C., and Benveniste, P.** *Nature, Culture, and Human Health*. The Chicago Botanic Garden, Glencoe, IL. December 18, 2014.

<https://www.chicagobotanic.org/nch2/2014>

2016 **Horton, T.H., Geraghty, C., and Benveniste, P.** *Partners in Mental Health: Veterans, Therapists, and Nature*. A project of Nature, Culture, and Human Health. Location: The Chicago Botanic Garden, Glencoe, IL. February 16, 2016.

<https://www.chicagobotanic.org/nch2/2016>

2018 Kreski, B., Game, C., Gomez, V., Lewis, K., and **Horton, T.H.** *Nature: Stress' Antidote*. A project of Nature, Culture, and Human Health. Location: The Chicago Botanic Garden, Glencoe, IL. October 15, 2018. <https://www.chicagobotanic.org/nch2/symposium/agenda>

### **Publications (in reverse chronological order)**

49. Pearson, A. L., Shortridge, A., Delamater, P. L., Horton, T. H., Dahlin, K., Rzotkiewicz, A., & Marchiori, M. J. (2019). Effects of freshwater blue spaces may be beneficial for mental health: A first, ecological study in the North American Great Lakes region. *PLoS One*, 14(8), e0221977. doi:10.1371/journal.pone.0221977

48. de Brito, J. N., Pope, Z. C., Mitchell, N. R., Schneider, I. E., Larson, J. M., **Horton, T. H.**, & Pereira, M. A. (2019). Changes in Psychological and Cognitive Outcomes after Green versus Suburban Walking: A Pilot Crossover Study. *Int J Environ Res Public Health*, 16(16). doi:10.3390/ijerph16162894

47. Horton, T. H. (2018). *Walking Green. Developing an evidence base for nature prescriptions*. Retrieved from River Forest, IL: <http://fpdcc.com/downloads/FPCC-Walking-Green-Executive-Summary-Technical-Report-Final-3-2018-120418.pdf>

46. Abbott, D. H., Vepraskas, S. H., **Horton, T. H.**, Terasawa, E., & Levine, J. E. (2018). Accelerated Episodic Luteinizing Hormone Release Accompanies Blunted Progesterone Regulation in PCOS-like Female Rhesus Monkeys (Macaca Mulatta) Exposed to Testosterone during Early-to-Mid Gestation. *Neuroendocrinology*, 107(2), 133-146. <https://www.ncbi.nlm.nih.gov/pubmed/29949806>

45. U. S. Environmental Protection Agency (USEPA). **2010**. SAP Minutes No 2010-04. Re-evaluation of the human health effects of atrazine: Review of experimental animal and *in vitro* studies and drinking water monitoring frequency. FIFRA Scientific Advisory Panel Meeting. April 26-29, 2010. Washington, D.C. 76p. (**Horton** contributed to questions 1.5, 1.6, 1.7 and 1.9a. **Horton** prepared Appendix 1.) <http://www.epa.gov/scipoly/sap/meetings/2010/april/042610minutes.pdf>

44. Sleiter N., Pang Y., Park C., **Horton T.H.**, Dong J., Thomas P., Levine J.E. **2009**. Progesterone receptor A (PRA) and PRB-independent effects of progesterone on gonadotropin-releasing hormone release. *Endocrinology* 150:3833-3844



43. Schneider, J. S., Burgess, C., **Horton, T. H.**, Levine, J. E., **2009**. Effects of progesterone on male-mediated infant-directed aggression. Behav Brain Res. 199, 340-4.
42. Huang W., Acosta-Martinez M., **Horton T.H.**, Levine J.E. **2008** Fasting-induced suppression of LH secretion does not require activation of ATP-sensitive potassium channels. American journal of Physiology 295:E1439-1446
- 41. Horton, T.H.**, Schneider, J.S., Jimenez, M.A., Levine, J.E. **2008**. Fathers Behaving Badly: The Role of Progesterone Receptors. PP 449-549 in: *Neurobiology of the Parental Brain*, R.S. Bridges, Ed. Elsevier, Burlington, MA; San Diego, CA; London. 549 p.
40. Foecking, E.M., M.A. McDevitt, M. Acosta-Martinez, **T.H. Horton**, Levine, J.E., **2008**. Neuroendocrine consequences of androgen excess in female rodents. Horm Behav, 53:673-92
39. Acosta-Martinez, M, **Horton, T.**, Levine, JE. **2007**. Estrogen receptors in neuropeptide Y neurons: at the crossroads of feeding and reproduction. Trends in Endocrinology and Metabolism 18:48-50. doi:10.1016/j.tem.2006.12.001
38. Miller, BH, Olson, SL, Levine, JE, Turek FW, Horton TH, Takahashi JS. **2006**. Vasopressin Regulation of the Proestrous Luteinizing Hormone Surge in Wildtype and Clock Mutant Mice. Biol Reprod. 75:778-784 [Epub ahead of print] PMID: 16870944
37. Paul MJ, Park JH, **Horton TH**, Alvarez MI, Burke MK, Place NJ, and Zucker, I. **2006**. Photoperiodic regulation of compensatory testicular hypertrophy in hamsters. Biol Reprod 75(2):261-9)
36. Prendergast BJ, Hotchkiss AK, Wen J, **Horton TH**, and Nelson RJ. **2006**. Refractoriness to short day lengths augments tonic and gonadotrophin-releasing hormone-stimulated luteinising hormone secretion. J Neuroendocrinol May 18(5):339-348
- 35. Horton, TH. 2005**. Fetal origins of developmental plasticity: animal models of induced life history variation. Am J Hum Biol 17:34-43.
34. Miller BH, Olson SL, Turek FW, Levine JE, **Horton TH**, and Takahashi JS. **2004**. Circadian clock mutation disrupts estrous cyclicity and maintenance of pregnancy. Curr Biol 14:1367-1373
33. DeCoursey, P.J. **2004**. **Horton** contributor to Chapter 2: The Behavioral Ecology and Evolution of Biological Timing Systems, pages 27-65 in: Chronobiology. Biological Timekeeping (a textbook of chronobiology). J.C. Dunlap, J.J. Loros, and P.J. DeCoursey, Editors. Sinauer Associates, Inc. Sunderland, MA.
32. Anand, S., Turek, F.W., and **Horton, T.H. 2004**. Chemosensory stimulation of luteinizing hormone (LH) secretion in male Siberian hamsters (*Phodopus sungorus*). Biol Reprod 70:1033-1040.
31. Schneider, J.S., Stone, M.K., Wynne-Edwards, K.E., **Horton, T.H.**, Lydon, J., O'Malley, B., and Levine, J.E. **2003** Progesterone receptors mediate male aggression towards infants. Proc Natl Acad Sci U S A. Mar 4;100 (5):2951-2956.
30. Kolker, D.E., Fukuyama H., Huang D., Takahashi, J.S., **Horton, T.**, and Turek, F.W. **2003**. Aging alters circadian and light-induced expression of clock genes in golden hamsters. Jour. Biol. Rhythms 18(2):159-69.
29. Kolker, D.A., Losee-Olson S., Wallen, E.J., **Horton, T.H.** and Turek, F.W. **2002**. Melatonin enhances phase shifting response to non-photoc stimuli that in young and aged golden hamsters. Am J Physiol Regul Integr Comp Physiol 282(5):R1382-8.

28. Kenny H.A., Bernard D.J., **Horton T.H.**, Woodruff T.K. **2002**. Photoperiod-dependent regulation of inhibin in Siberian hamsters: II. Regulation of inhibin production and secretion by pregnant mare serum gonadotropin. J Endocrinol 174(1):85-94.
27. Kenny H.A., Bernard D.J., **Horton T.H.**, Woodruff T.K. **2002**. Photoperiod-dependent regulation of inhibin in Siberian hamsters: I. Ovarian inhibin production and. J Endocrinol 174(1):71-83.
26. Anand, S., Losee-Olson, S., Turek, F.W., and **Horton, T.H.** **2002**. Differential secretion of LH and FSH secretion in male Siberian hamsters: Independent regulation by photoperiod and social factors. Endocrinology 143(6):2178-88.
- 25. Horton T.H.** and Yellon, S.M. **2001**. Aging, reproduction, and the melatonin rhythm in the Siberian hamster. J Biol Rhythms. 16:243-53.
- 24. Horton, T.H.** **2001**. Conceptual Issues in the Ecology and Evolution of Circadian Rhythms. Pages 45-57 in: Handbook of Behavioral Neurobiology. Volume 12. J.S. Takahashi, R.Y. Moore, and F.W. Turek, eds.
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