

*Patricia A. Schiml, Ph.D.*

---

---

**Office: 335 Fawcett Hall  
Department of Psychology  
Wright State University  
Dayton, OH 45435**

**Email: [patricia.schiml@wright.edu](mailto:patricia.schiml@wright.edu)  
(937) 775-2223-2391/2943**

**Education**

University of California, Davis, Ph.D., Psychology. March, 1996. Title: Social Influences on Endocrine Regulation and Responsiveness in Squirrel Monkeys (*Saimiri sciureus*).

University of California, Davis, M.A. Psychology. December, 1991.

Wright State University. B.S. Psychology. June 1989.

**Grants, Honors, and Awards**

- 2013-2016 Co-Principal Investigator, MH068228-04, Stress-induced sickness behavior during social separation: implications for depression, National Institutes of Mental Health.
- 2013-2015 Co-Principal Investigator, Developing a practical means of reducing stress in shelter dogs, The Waltham Foundation.
- 2011-2014 Co-Principal Investigator, IOS-1120932, Mechanisms of social buffering of hypothalamic-pituitary-adrenal responses, National Sciences Foundation.
- 2009-2011 Co-Principal Investigator, AREA Grant MH0885222, Stress-induced sickness during social separation: Implications for depression. National Institutes of Mental Health.
- 2009-2011 Co-Principal Investigator, Hope for Depression Foundation Grant. Site-specific CNS stimulation of depressive symptoms and proinflammatory activity.
- 2008 Presidential Award for Excellence, Outstanding Instructor, Wright State University.
- 2007 Award for Excellence in Teaching with Writing, Writing Across the Curriculum Program, Wright State University.
- 2005-2008 Co-Principal Investigator, AREA Grant MH068228, Stress-induced sickness During Social Separation: Implications for Depression, National Institutes of Mental Health.

- 2005            Consultant, Antidepressant Effects on Sickness Behavior in Guinea Pig Pups, Glaxo-Smith-Kline.
- 2003-2005    Co-principal Investigator, AREA Grant, R15MH68228, Stress-induced Sickness Behavior During Separation, National Institutes of Mental Health.
- 2002-2003    Principal Investigator, Influences of Diet on Behavioral Adaptation to Shelter Living in Dogs, The Iams Company
- 1996-1999    National Research Service Award, National Institutes of Mental Health.
- 1996           Postdoctoral Fellowship, Cell and Molecular Physiology of Reproduction, University of Virginia.
- 1993-1994    Graduate Studies Fellowship, University of California.
- 1990-1993    Graduate Research Fellowship, National Science Foundation.
- 1990, 1992    Grant-in-Aid of Research, Sigma Xi.
- 1989-1990    Nonresident Tuition Fee Fellowship, University of California.
- 1985-1989    Valedictorian/Salutatorian Scholarship, Wright State University.

### **Professional Experience**

- 2011-present. Lecturer, Department of Psychology, Wright State University.
- 2001-present. Research Assistant Professor, Department of Psychology, Wright State University.
- 2005-2010. Instructor, Department of Psychology, Wright State University.
- 2005. Adjunct Instructor, Department of Psychology, The University of Dayton.
- 1999-2005. Adjunct Professor, Department of Psychology, Wright State University.
- 1996-1999. Postdoctoral Fellow, Biology Department, University of Virginia.
- 1996. Postgraduate Researcher, California Regional Primate Research Center, University of California, Davis

1989-1996. Graduate Student Researcher, California Regional Primate Research Center and Psychology Department, University of California, Davis.

1994-1996. Adjunct professor. Sierra College.

1992-1994. Associate Instructor. Psychology Department, University of California, Davis.

1990-1994. Laboratory Instructor. Psychology Department, University of California, Davis.

1989-1994. Teaching Assistant. Psychology Department, University of California, Davis.

1988-1989. Honors Research Assistant. Wright State University.

### **Professional Membership**

Ohio-Miami Valley Chapter of the Society for Neuroscience  
Society for Behavioral Neuroscience  
International Society for Developmental Psychobiology

### **Professional Service**

2012-present Petitions Committee Member, Department of Psychology, Wright State University, Dayton, Ohio.

2012-present Community Advisory Committee, University Honors Program, Wright State University, Dayton, Ohio.

2011-present Member, Bias Incident Response Team, Wright State University, Dayton, Ohio.

2011-present Member, Wright State Allies: Organization for Gay, Lesbian, Bisexual, Transgender Questioning, and Ally Faculty and Staff, Wright State University, Dayton, Ohio.

2010-present Alternate Member, Laboratory Animal Care and Use Committee, Wright State University, Dayton, Ohio.

2006-present Behavioral Neuroscience Concentration, Department of Psychology, Wright State University, Dayton, Ohio. Advised undergraduates concentrating in behavioral neuroscience, assisted in development of official concentration, assisted in oversight and management of concentration.

2012-2013 Steering Committee Member, Technology Subcommittee, University Assessment Plan (Higher Learning Commission Academy for Assessment of Student

Learning), Wright State University, Dayton, Ohio.

- 2011 Member, Local Arrangements Committee, Ohio-Miami Valley Chapter of the Society for Neuroscience, Dayton, Ohio.
- 2010-2012 Undergraduate Curriculum & Development Committee, Department of Psychology, Wright State University, Dayton, Ohio.
- 2007-2008 University Committee for Ethical Standards in the Conduct of Research, Wright State University, Dayton, Ohio.
- 2004-2007, 2009 Exploring Science/STEMM (program for jr. high school students), College of Science and Mathematics, Wright State University, Dayton, Ohio.
- 1995 Local Arrangements Committee (signage subcommittee), Society for the Study of Reproduction, Davis, California.
- 1992, 1993 Graduate Admissions and Fellowship Committee, Psychology Department, University of California, Davis.
- 1992-1994 Undergraduate Seminar for Admission to Graduate School, Psychology Department, University of California, Davis.
- 1992 Brochure Committee, Psychology Department, University of California, Davis.
- 1990 Local Arrangements Committee (chair of registration subcommittee), American Society of Primatologists, Davis, California.

### **Public Service**

- 2013 Science Night participant, Twin Valley Elementary School, West Alexandria, Ohio
- 2011-present GLBTQA Resource Room (volunteer and Allies member), Wright State University, Dayton, Ohio.
- 2006, 2009, 2010, 2012 Alpha Kappa Sorority Scholarship Committee, West Alexandria, Ohio.
- 1996 Women Who Love Science Day, Patwin Elementary, Davis, California.
- 1995, 1996 Primate Research (presentation to fifth-grade students), Plainfield Elementary, Woodland, California.

2003, 1999, Judge, County High School Science Fair, Preble County, Ohio.  
1988, 1987

### **Course Preparations**

Behavioral Neuroscience  
Behavioral Neuroscience Methods  
Sensory Processes  
Human Sexuality  
Hormones and Behavior  
Introductory Psychology  
Animal Behavior (seminar/capstone)  
Sexuality & Endocrinology (seminar/capstone)  
The Neuroscience of Disability (graduate)

### **Thesis and Dissertation Committees**

Jennifer Dazey Caudill (M.S.). Influence of daily electrical stimulation of periaqueductal grey on vocalization and depressive-like behavior during separation in guinea pigs, 2012. Chair: Michael Hennessy.

Vincent Alexander (M.S.). The role of corticotropin-releasing factor in the behavior and proinflammatory activity of separated guinea pig pups, 2012. Chair: Michael Hennessy.

Nadia Kardegar (M.S.). Electrical brain stimulation and depressive-like behavior in guinea pigs, 2012. Chair: Michael Hennessy.

Randi L. Schneider (M.S.). Persisting sensitization of depressive-like behavior and thermogenic response during maternal separation in pre- and post-weaning guinea pigs, 2011. Chair: Michael Hennessy.

Jessie D. Caraway (M.S.), Sensitization of the behavioral response to maternal separation: persistence of the effect and role of proinflammatory activity, 2010. Chair: Michael Hennessy.

Deborah Maken (Ph.D.), Central mechanisms regulating pituitary-adrenal activity in infant guinea pigs (*Cavia porcellus*) during exposure to psychological stressors: Independent and combined effects of maternal separation and novelty, 2009. Chair: Michael Hennessy.

Kristopher D. Paik (M.S.), Inhibition of proinflammatory processes reduces sensitization of the behavioral response to maternal separation, 2009. Chair: Michael Hennessy.

Keely O'Connell (M.S.), Stress-reducing effects of oxytocin in a maternal separation paradigm, 2008. Chair: Michael Hennessy.

## Publications

Hennessy, M.B., Deak, T., and Schiml, P.A. (in press). Sociality and sickness: Have cytokines evolved to serve social functions beyond times of pathogen exposure? *Brain, Behavior, and Immunity*.

Claflin, D.I., Schiml, P.A., Kardegar, N., Caudill, J., Floyd, R., Deak, T., Panksepp, J., and Hennessy, M.B. (2013). Responses of guinea pigs to brain stimulation during isolation: examining the transition from “protest” to depressive-like responding. *Neurology, Psychiatry, and Brain Research*, 19, 67-75.

Shiverdecker, M., Schiml, P.A., and Hennessy, M.B. (2013). Human interaction moderates plasma cortisol and behavioral responses of dogs to shelter housing. *Physiology & Behavior*, 109, 75-79.

Hennessy, M. B., Jacobs, S., Schiml, P. A., Hawk, K., Stafford, N. Deak, T. (2013). Maternal inhibition of infant behavioral response following isolation in novel surroundings and inflammatory challenge. *Developmental Psychobiology*, 55, 395-403.

Yusko, B., Hawk, K., Schiml, P.A., Deak, T., and Hennessy, M.B. (2012). Sensitization of depressive-like behavior during repeated maternal separation is associated with more-rapid increase in core temperature and reduced plasma cortisol levels. *Physiology & Behavior*, 105, 861-867.

Schneider, R.L., Schiml, P.A., Deak, T., and Hennessy, M.B. (2012). Persistent sensitization of depressive-like behavior and thermogenic response during maternal separation in pre- and post-weaning guinea pig pups. *Developmental Psychobiology*, 54, 514-522.

Hennessy, M.B., Paik, K.D., Caraway, J. D., Schiml, P.A., and Deak, T. (2011). Proinflammatory activity and the sensitization of depressive-like behavior during maternal separation. *Behavioral Neuroscience*, 125, 426-433.

Hennessy, M.B., Fitch, C., Jacobs, S., Deak, T., and Schiml, P.A. (2011). Behavioral effects of peripheral corticotropin-releasing factor during maternal separation may be mediated by proinflammatory activity. *Psychoneuroendocrinology*, 36, 996-1004.

Hennessy, M.B., Deak, T., Schiml-Webb, P.A., Carlisle, C. W., and O’Brien, E. (2010). Maternal separation produces, and a second separation enhances, core temperature and passive behavioral responses to maternal separation in guinea pig pups. *Physiology & Behavior*, 100, 305-310.

Hennessy, M.B., Deak, T., & Schiml-Webb, P.A. (2010). Early attachment-figure separation and increased risk for later depression: potential mediation by proinflammatory processes. *Neuroscience and Biobehavioral Reviews*, *34*, 782-790.

Hennessy, M.B., Schiml-Webb, P.A., and Deak, T. (2009). Separation, sickness, and depression: a new perspective on an old animal model. *Current Directions in Psychological Science*, *18*, 227-231.

Perkeybile, A. M., Schiml-Webb, P. A., O'Brien, E. Deak, T., and Hennessy, M. B. (2009). Anti-inflammatory influences on behavioral, but not cortisol, responses during maternal separation. *Psychoneuroendocrinology*, *34*, 1101-1108.

Schiml-Webb, P. A., Miller, E., Hennessy, M. B., and Deak, T. (2009). Alpha-melanocyte stimulating hormone reverses behavioral effects of corticotropin-releasing factor. *Developmental Psychobiology*, *51*, 399-407.

Hennessy, M. B., Deak, T., Schiml-Webb, P. A., and Barnum, C. J. (2007). Immunological influences on behavioral and endocrine responses during early development. In M. T. Czerbska (Ed.), *Psychoneuroendocrinology Research Trends* (pp. 293-319). Hauppauge, NY: Nova Scientific Publishers.

Hennessy, M. B., Schiml-Webb, P. A., Miller, E. E., Maken, D. S., Bullinger, K. L., and Deak, T. (2007). Anti-inflammatory agents attenuate the passive responses of guinea pigs: Evidence for stress-induced sickness behavior during separation. *Psychoneuroendocrinology*, *32*, 508-515.

Schiml-Webb, P. A., Deak, T., Greenlee, T. M., Maken, D. S., and Hennessy, M. B. (2006). Alpha melanocyte stimulating hormones reverses postulated stress-induced sickness behaviors in isolated guinea pig pups. *Behavioural Brain Research*, *168*, 326-330.

Hennessy, M. B., Maxwell, H. R., Wilson, S. E., Maken, D. S., and Schiml-Webb, P. A. (2005). Increases in the circulating testosterone of maturing male guinea pigs appear neither necessary nor sufficient for heightened maternally directed sexual and social/courtship behavior. *Hormones and Behavior*, *47*, 319-325.

Hennessy, M. B., Deak, T., Schiml-Webb, P. A., Wilson, S. E., Greenless, T. M., and McCall, E. (2004). Responses of guinea pigs pups during isolation in a novel environment may represent stress-induced sickness behaviors. *Physiology and Behavior*, *81*, 5-13.

Hennessy, M. B., Deak, T., Schiml-Webb, P. A. (2001). Stress-induced sickness behaviors: an alternative hypothesis to maternal separation. *Developmental Psychobiology*, *39*, 76-83.

Schiml, P. A. and Rissman, E. F. (2000). Effects of gonadotropin-releasing hormones, corticotropin-releasing hormone, and vasopressin on female sexual behavior. *Hormones and Behavior*, *37*, 212-220.

- Schimpl, P. A., Wersinger, S. R., and Rissman, E. F. (2000). Behavioral activation of the female neuroendocrine axis. In Wallen, K. and Schneider, J. (Eds.) *Reproduction in Context*, MIT Press.
- Schimpl, P. A. and Rissman, E. F. (1999). Cortisol facilitates female sexual behavior in the musk shrew (*Suncus murinus*). *Behavioral Neuroscience*, *113*, 166-175.
- Schimpl, P. A., Douris, N., Isaac, A. C., and Rissman, E. F. (1999). Temporal aspects of female musk shrew sexual behavior. *Journal of Comparative Psychology*, *113*, 85-90.
- Schimpl, P. A., Mendoza, S. P., Saltzman, W., Lyons, D. M., and Mason, W. A. (1999). Annual physiological changes in individually housed squirrel monkeys (*Saimiri sciureus*). *American Journal of Primatology*, *47*, 93-103.
- Tai, V. C., Schimpl, P. A., Li, X., and Rissman, E. F. (1997). Behavioral interactions have rapid effects on neuronal processing of gonadotropin-releasing hormones. *Brain Research*, *772*, 87-94.
- Schimpl, P. A., Mendoza, S. P., Saltzman, W., Lyons, D. M., and Mason, W. A. (1996). Seasonality in squirrel monkeys (*Saimiri sciureus*): Social facilitation by females. *Physiology and Behavior*, *60*, 1105-1113.
- Mendoza, S. P., Saltzman, W., Lyons, D. M., Schimpl, P. A. and Mason, W. A. (1991). Within-sex relationships in squirrel monkeys regulate pituitary-adrenal activity. In A. Ehara, T. Kimura, O. Takenaka, and M. Iwamoto, (Eds.), *Primate Today*. Elsevier: New York. pp. 443-446.
- Schimpl, P. A. and Hennessy, M. B. (1990). Light-dark variation and changes across the lactational period in the behaviors of undisturbed mother and infant guinea pigs (*Cavia porcellus*). *Journal of Comparative Psychology*, *104*, 283-288.
- Hennessy, M. B., Tamborski, A., Schimpl, P., and Lucot, J. (1989). The influences of maternal separation on plasma concentrations of ACTH, epinephrine, and norepinephrine in guinea pig pups. *Physiology and Behavior*, *45*, 1147-1152.

#### **Published Abstracts**

- Alexander, V., Schimpl, P., Watanasriyakul, W., Deak, T., and Hennessy, M.B. (2012). Effects of CRF on proinflammatory and behavioral changes in infant guinea pigs during maternal separation. *Developmental Psychobiology*, *54*, 744.
- Schimpl-Webb, P. A., Perkeybile, A., O'Brien, E., Deak, T., and Hennessy, M. B. (2007). Interleukin-10 reduces passive behaviors of isolated guinea pig pups. *Developmental Psychobiology*, *49*, 739.

- Hennessy, M. B., Schiml-Webb, P. A., Miller, E. E., and Deak, T. (2006). Alpha-MSH attenuates passive responses induced by CRF and LPS in isolated guinea pig pups. *Developmental Psychobiology*, 48, 614.
- Schiml-Webb, P. A., Deak, T., Miller, E. E., and Hennessy, M. B. (2005). Alpha melanocyte-stimulating hormone reverses corticotropin-releasing hormone-induced sickness behaviors in infant guinea pigs. *Hormones and Behavior*, 48, 126.
- Schiml-Webb, P. A., Hennessy, M. B., Hawke, J., Voith, V. L., Linden, F., and Davenport, G. M. (2003). Physiological adaptation to shelter living in dogs. *Hormones and Behavior*, 44, 75.
- Schiml, P. A., Li, X., and Rissman, E. F. (1998). The effects of intraventricular infusion of GnRH on female sexual behavior. *Society for Neuroscience Abstracts*, 24(1), 948.
- Schiml, P. A. and Rissman, E. F. (1997). A potential facilitatory role of glucocorticoids in female reproduction. *Society for Neuroscience Abstracts*, 23(2), 1852.
- Fugger, H. N., Schiml, P. A., Rissman, E. F., Foster, T. C. (1997). Characterization of spatial behavior and hippocampal electrophysiology in male estrogen receptor- $\alpha$  minus mice. *Society for Neuroscience Abstracts*, 23(2), 2124.
- Mendoza, S. P., Saltzman, W., Lyons, D. M., and Schiml, P. A. (1991). Social influences on seasonal and circadian rhythms in adrenocortical activity of squirrel monkeys. *American Journal of Primatology*, 24, 122.

#### **Presentations at Scientific Meetings**

- Alexander, V., Schiml, P., Watanasriyakul, W., Deak, T., and Hennessy, M.B. (2012). Effects of CRF on proinflammatory and behavioral changes in infant guinea pigs during maternal separation. International Society for Developmental Psychobiology, New Orleans, LA.
- Floyd, R., Schiml, P.A., and Hennessy, M.B. (2011). Does continuous activation of the BNST induce the onset of passive phase behavior? Ohio-Miami Valley Chapter of the Society for Neuroscience, Dayton, OH.
- Schneider, R.L., Schiml, P.A., and Hennessy, M.B. (2011). Persisting sensitization of depressive-like behavior and thermogenic responses during maternal separation in pre- and post-weaning guinea pigs. Ohio-Miami Valley Chapter of the Society for Neuroscience, Dayton, OH.
- Yusko, B., Hawk, K., Schiml, P.A., Deak, T., and Hennessy, M.B. (2011). Evidence for sensitization of depressive-like behavior and core temperature responses during maternal separation in guinea pig pups. Ohio-Miami Valley Chapter of the Society for Neuroscience, Dayton, OH.

Perkeybile, A., Schiml-Webb, P.A., O'Brien, E., Deak, T., and Hennessy, M.B. (2008). Interleukin-10 reduces passive behaviors but not cortisol levels of isolated guinea pig pups. Midwestern Psychological Association (undergraduate student division), Chicago, IL

Hennessy, M.B., Deak, T., Schiml-Webb, P.A., Carlisle, C., and O'Brien, E. (2008). A second, daily maternal separation evokes a separation-specific rise in core temperature and sensitized behavioral response in guinea pig pups. International Society for Developmental Psychobiology, Washington, D.C.

Hennessy, M.B., Deak, T., and Schiml-Webb, P.A. (2008). Stress, sickness, and maternal separation. International Society for Psychoneuroendocrinology, Dresden, Germany. Symposium title: New Developments in Developmental PNE: in recognition of the legacy and contributions of Seymour (Gig) Levine.

Schiml-Webb, P. A., Perkeybile, A., O'Brien, E., Deak, T., and Hennessy, M. B. (2007). Interleukin-10 reduces passive behaviors of isolated guinea pig pups. Poster presentation at the annual meeting of the International Society for Developmental Psychobiology, San Diego, CA.

Hennessy, M. B., Schiml-Webb, P. A., Miller, E. E., and Deak, T. (2006). Alpha-MSH attenuates passive responses induced by CRF and LPS in isolated guinea pig pups. Presentation at the annual meeting of the International Society of Developmental Biology, Atlanta, GA.

Schiml-Webb, P. A., Deak, T., Miller, E. E., and Hennessy, M. B. (2005). Alpha melanocyte-stimulating hormone reverses corticotropin-releasing hormone-induced sickness behaviors in infant guinea pigs. Poster presentation at the annual meeting of the Society for Behavioral Neuroendocrinology, Austin, Texas.

Schiml-Webb, P. A., Hennessy, M. B., Hawke, J., Voith, V. L., Linden, F., and Davenport, G. M. (2003). Physiological adaptation to shelter living in dogs. Poster presentation at the annual meeting of the Society for Behavioral Neuroendocrinology, Cincinnati, Ohio.

Schiml, P. A. and Rissman, E. F. (1999). The effects of intracerebroventricular infusion of corticotropin-releasing hormone and vasopressin on sexual behavior in female musk shrews (*Suncus murinus*). Poster presentation at the annual meeting of the Society for Behavioral Neuroendocrinology, Charlottesville, Virginia.

Schiml, P. A., Li, X., and Rissman, E. F. (1998). The effects of intraventricular infusion of GnRH on female sexual behavior. Poster presentation at the annual meeting of the Society for Neuroscience, Los Angeles, California.

Schiml, P. A. and Rissman, E. F. (1998). Pacing does not alter sexual behavior or fertility in female musk shrews (*Suncus murinus*). Poster presentation at the annual meeting of the Society for Neuroscience, Atlanta, Georgia.

Schiml, P. A. and Rissman, E. F. (1997). A potential facilitatory role of glucocorticoids in female reproduction. Poster presentation at the annual meeting of the Society for Neuroscience, New Orleans, Louisiana.

Schiml, P. A. and Rissman, E. F. (1997). Glucocorticoids and sexual receptivity in female musk shrews (Suncus murinus). Poster presentation at the annual meeting of the Society for Behavioral Neuroendocrinology, Baltimore, Maryland.

Schiml, P. A. and Mendoza, S. P. (1996). Distant social cues regulate seasonality in individually-housed squirrel monkeys (Saimiri sciureus). Paper presentation at the annual meeting of the American Society of Primatologists, Madison, Wisconsin.

Schiml, P. A. and Mendoza, S. P. (1994). Social influences on seasonal changes in adrenocortical and testicular functioning in adult male squirrel monkeys (Saimiri sciureus). Paper presentation at the annual meeting of the Midwest Psychological Association, Chicago, Illinois.

Schiml, P. A. and Hennessy, M. B. (1990). Light-dark variation and changes across the lactational period in the behaviors of undisturbed mother and infant guinea pigs. Poster presentation at the annual meeting of the International Society for Developmental Psychobiology, San Francisco, California.

Schiml, P. A., Hennessy, M. B., Tamborski, A., and Lucot, J. (1988). Effects of maternal separation on plasma levels of ACTH, norepinephrine and epinephrine in infant guinea pigs. Poster presentation at the annual meeting of the International Society for Developmental Psychobiology, Toronto, Ontario, Canada.

### **Invited Presentations**

Schiml, P. (2014). "The Science of Love." Invited presentation for the Boonshoft Museum of Discovery's adult outreach program, Pub Science. Dayton, OH.

Schiml, P. (2012). "The Science of Love." Invited presentation for the Boonshoft Museum of Discovery's adult outreach program, Pub Science. Dayton, OH.

Schiml-Webb, P. (2011). "Love drives us." Invited presentation for the Boonshoft Museum of Discovery's adult outreach program, Pub Science. Dayton, OH.

Schiml, P. A. (1997). "Interactions between stress-responsive and reproductive systems." Paper presented at the annual meeting of the Midwest Psychological Association, Chicago, Illinois.