

VITA

Michael B. Hennessy

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EDUCATION AND TRAINING

Northern Illinois University, Department of Psychology: B.A., 1972; M.A., 1974; Ph.D., 1976.

Stanford University, Department of Psychiatry and Behavioral Sciences: Postdoctoral Fellow, 1976-1979.

PROFESSIONAL EXPERIENCE

Professor, Department of Psychology, Wright State University, 1992-.

Visiting Professor, California Regional Primate Facility and Department of Psychology, University of California, Davis, 1992-1993, 2013.

Visiting Professor, Department of Behavioural Biology, University of Muenster, Muenster Germany, 2005, 2012.

Fellow, Graduate School of Evolution, University of Muenster, Muenster Germany, 2012, 2018

Associate Professor, Department of Psychology, Wright State University, 1988-1992.

Program Faculty, Biomedical Sciences PhD Program, Wright State University, 1985-.

Assistant Professor, Department of Psychology, Wright State University, 1984-1988.

Research Psychologist, Department of Psychobiology, SRI International (formerly Stanford Research Institute), 1980 -1984.

Research Associate, Department of Psychiatry and Behavioral Sciences, Stanford University, 1979.

Instructor for General Psychology, College of San Mateo, 1977, 1979, 1981, 1982.

Graduate Research Assistant, Department of Psychology, Northern Illinois University, 1975-1976.

Graduate Fellow, Program on Evolution and Development. Institute of Child Development, University of Minnesota, 1975.

Graduate Teaching Assistant/Coordinator of Graduate Teaching Assistants, Northern Illinois University, 1972-1974/1975.

CLASSES TAUGHT

College of San Mateo, Department of Psychology: Introductory Psychology.

Wright State University, Department of Psychology: Introductory Psychology, Behavioral Neuroscience I, Behavioral Neuroscience II, Advanced Topics in Behavioral Neuroscience.

Wright State University, School of Professional Psychology: Physiological Psychology I, Physiological Psychology II, Research Design.

Wright State University, Biomedical Sciences PhD Program: Behavioral Neuroscience.

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science

American Psychological Association (and Division 6)

International Behavioral Neuroscience Society (fellow)
International Society for Developmental Psychobiology
Ohio Miami Valley Society for Neuroscience
Society for Neuroscience

OTHER PROFESSIONAL ACTIVITY/RECOGNITION

University

Wright State University Presidential Award for Outstanding Faculty Member (1994). (One award made yearly).

Wright State University, College of Science and Mathematics Outstanding Teaching Award (2004)

Field of scholarship

General

President: International Society for Developmental Psychobiology (2000-2001); member of Executive Committee (1999-2002).

Program Director: International Society for Developmental Psychobiology (1991-1994).

Program Committee: International Behavioral Neuroscience Society (1995-1997).

Program Committee: Midwestern Psychological Association (2000-2003)

President: Ohio Miami Valley Chapter of the Society for Neuroscience (2010-2011), Officer at large & President-elect (2008-2010)

President: Sigma Xi, Wright State University affiliate (1994-1996).

American Psychological Association Committee on Animal Research and Ethics (2017-2019; Chair, 2018)

International Society for Developmental Psychobiology representative to STAR (Supporting truth about animal research; 2021-)

92nd Dahlem Conference (on attachment and bonding), Berlin, Germany, 2003, Invited participant
"Research Collaborator" for Reduction in Phenotypic Plasticity of Behavior Research Group, Universities of Muenster and Bielefeld, Germany (2009-)

Board of Trustees: Pet Behavior and Training Services (1997-2012).

Board of Directors: HaloK9 Behavioral Consultation (2018-)

Patent (A23K 2990): Davenport, G.M. & Hennessy, M.B. Synergistic effect of diet and human interaction on the behavior of dogs.

Advisory boards

National Scientific Advisory Board: California National Primate Research Center (2003-2011).

External Research Advisory Board: The WALTHAM Foundation (2018-)

Grant review

National agency panel membership

National Institute of Mental Health, IRG - Psychobiology, Behavior and Neuroscience, 1995-1998.

Ad hoc national panel memberships (single or multiple occasions)

National Institute of Mental Health, Psychobiology, Behavior and Neuroscience.

National Institutes of Health, Biobehavioral Mechanisms of Emotion, Stress, and Health

National Institute of Mental Health review of intramural laboratories

National Institutes of Health, Special Emphasis Review Panel -- Integrative, Functional and Cognitive Neuroscience II.

National Institutes of Health Special Emphasis Review Panel--Methodology and Measurement in the Behavioral and Social Sciences

National Institutes of Health Special Emphasis Review Panel—proposals submitted as part of 2009 “stimulus package”

National Institutes of Health; Behavioral Neuroscience Fellowship Awards

Other ad hoc proposal review (single or multiple occasions)

National Science Foundation

National Institute of Mental Health - Reviewer's Reserve

Icelandic Research Fund

Ohio Department of Mental Health.

University of Nebraska—Omaha

Vienna (Austria) Science and Technology Fund

American Psychological Association, Dissertation Research Award

The WALTHAM Foundation

Editorial activity

Editorial Board: *Developmental Psychobiology* (1994-).

Co-editor: Special Issue: *Developmental Psychobiology*, 52 (7), 2010.

Ad hoc reviewer of manuscripts for:

(1) Aggressive Behavior, (2) American Journal of Primatology, (3) Animal Behaviour, (4) Animals, (5) Animal Learning and Behavior, (6) Annals of the New York Academy of Sciences, (7) Applied Animal Behaviour Science, (8) Archives of General Psychiatry, (9) Behavioral and Brain Function, (10) Behavioral and Neural Biology, (11) Behavioral Ecology and Sociobiology, (12) Behavioral Neuroscience, (13) Behavioral Processes, (14) Behavioural Sciences, (15) Behavioural Brain Research, (16) Biological Psychiatry, (17) Biology Letters, (18) Brain, Behavior, and Immunity, (19) Brain Research Bulletin, (20) Brazilian Journal of Biology, (21) Brazilian Journal of Medical and Biological Research, (22) Current Directions in Psychological Science, (23) Current Opinion in Behavioral Sciences, (24) Developmental Cognitive Neuroscience, (25) Developmental Neuroscience, (26) Developmental Psychology, (27) Developmental Psychobiology, (28) Ecology and Evolution, (29) Ethology, (30) European Journal of Neuroscience, (31) Folia Primatologica, (32) Frontiers in Human Neuroscience, (33) Frontiers in Pharmacology, (34) Frontiers in Zoology, (35) General and Comparative Endocrinology, (36) Hippocampus, (37) Hormones and Behavior, (38) ILAR e-journal (39) Infant Behavior and Development, (40) International Journal of Developmental Neuroscience (41) Journal of Applied Animal Welfare Science, (42) Journal of Comparative Physiology, B, (43) Journal of Comparative Psychology, (44) Journal of Ethology, (45) Journal of Experimental Biology Part A, (46) Journal of Experimental Zoology, Part A, (47) Journal of Mammalogy, (48) Journal of Neuroendocrinology, (49) Journal of Neural Transmission (50) Journal of Neuroinflammation, (51) Journal of the American Veterinary Medical Association, (52) Journal of Veterinary Behavior, (53) Journal of Zoology, (54) Neuroscience and Biobehavioral Reviews, (55) Neuroscience Letters, (56) Pharmacology, Biochemistry and Behavior, (57) Physiology and Behavior, (58) PLOS ONE, (59)

Psychiatry Research, (60) Proceedings of the National Academy of Sciences (61) Proceedings of the Royal Society B, Biological Science, (62) Psychobiology, (63) Perspectives in Psychological Sciences, (64) Psychological Science, (65) Psychoneuroendocrinology, (66) Psychopharmacology, (67) Scientific Reports, (68) Social Neuroscience, (69) Stress, (70) Veterinary and Animal Science.

Consultant

Research:

The IAMs Company

National Aeronautic and Space Administration

Academic:

Columbia University (Faculty Promotion)

Harvard University (Faculty Promotion)

Skidmore College (Faculty Promotion)

Stanford University (Faculty Promotion)

Northeastern University (Faculty Promotion)

University of British Columbia, (External Examiner for dissertation)

University of California-Davis (Faculty Promotions-5)

Wayne State University (Faculty Promotion)

Idaho State University (Faculty Promotion)

Kent State University (Faculty Promotion)

University of Delaware (Faculty Promotion)

University of Massachusetts—Boston (Dissertation committee)

University of New South Wales, Australia (Dissertation reader)

GRANT AND CONTRACT SUPPORT OBTAINED AS PI

National Agencies

National Institute of Child Health and Human Development, HD100825-01, Mechanisms of neuroinflammatory burden following early-life stress, 2020-2023, \$450,000

National Institute of Mental Health, MH068228-04, Stress-induced sickness behavior during social separation: implications for depression, 2013-2017, \$438,000.

National Institute of Mental Health, MH099361, Rhesus model for proinflammatory influences on depression, 2013-2015, \$429,501.

National Science Foundation, IOS-1120932, Mechanisms of social buffering of hypothalamic-pituitary-adrenal responses, 2011-2015, \$330,000.

National Institute of Mental Health, MH068228-03, Stress-induced sickness behavior during social separation: implications for depression, 2009-2012, \$215,250.

National Institute of Mental Health, MH068228-02, Stress-induced sickness behavior during social separation: implications for depression, 2006-2009, \$215,250.

National Science Foundation, IOB-0514509, Endocrine Activity and the Ontogeny of Social Interactions and Bonding, 2005-2009, \$300,986.

National Institute of Mental Health, MH068228, Stress-Induced Sickness Behavior during Separation, 2003-2005, \$143,000.

National Science Foundation, IBN 0080320, Social Influences on Endocrine and Behavioral Responses during Development, 2000-2004, \$267,754.

National Science Foundation, IBN 9729595, Maternal Influences on Hormonal Activity and Behavior of Juveniles, 1998-2000, \$120,000.

National Science Foundation, IBN 9222077, Corticotropin-Releasing Factor and Infant Behavior, 1993-1997, \$249,000.

National Science Foundation, BNS 8822240, Hormonal and Behavioral Attachment Responses in Guinea Pigs, 1989-1992, \$110,000.

National Science Foundation, BNS 8701620, Hormonal and Behavioral Attachment Responses in Guinea Pigs, 1987-1988, \$40,000.

National Institute of Mental Health, MH 40905, Rodent Model for Primate Separation Effects, 1984-1985, \$22,400.

National Institute of Child Health and Human Development, HD14591, Variability of Maternal Separation Effects in Monkeys, 1980-1983, \$243,000.

National Institute of Child Health and Human Development, Individual Postdoctoral Fellowship Award, HD 05678, Mother-Infant Interactions: A Hormonal and Behavioral Analysis, 1978-1979.

Research Experience for Undergraduate supplements (7) for NSF grants.

Other Sources

The WALTHAM Foundation, Influencing desirable behavior in shelter dogs: influences of human interaction and prior level of stress, 2016-2018, \$18,968.

The WALTHAM Foundation, Developing a practical means of reducing stress in shelter dogs, 2013-2015, \$14,729.

Deutscher Akademischer Austausch Dienst (German Academic Exchange Service) travel grant, 2012, €3,980.

Hope for Depression Research Foundation, Site-specific CNS stimulation of depressive symptoms and proinflammatory activity, 2009-2011, \$110,000.

California National Primate Research Center, Developing Rhesus Model of Proinflammatory Processes in Depression, 2008-2009, \$17,291.

GlaxoSmithKline, Effects of Chronic Treatment with Antidepressants on Passive Behaviors of Isolated Guinea Pigs, 2005-2006, \$11,000.

Kenneth A. Scott Charitable Trust, Behavioral and Endocrine Effects of a Prisoner Socialization Program, 2003-2005, \$11,063.

Laboratorios Dr. ESTEVE, Evaluation of Antidepressant in Isolated Guinea Pig Pups, 1998-2000, \$49,000.

The Iams Company, Influences of Diet and Human Interaction on Behavioral and Endocrine Measures of Well Being, 1998-2000, \$68,000.

The Iams Company, Predictors of Behavioral Adjustment in Dogs Adopted from a Public Animal Shelter, 1997-1998, \$6,000.

Internal seed/development grants (11) obtained as PI from SRI International and Wright State University.

GRANT SUPPORT – NOT PI

Wright State University and Premier Heath Neuroscience Institute, A mouse model of preeclampsia. 2019-2021, \$200,000 total costs; (Co-Principal Investigator).

National Institute of Mental Health, MH081257, Corticosterone and Hippocampal Learning during Development, 2007-2010 (Investigator).

National Institute of Child Health and Human Development. Grant for Student Travel to the meetings of the International Society for Developmental Psychobiology, 2000-2004, \$125,000 (Co-investigator).

The Iams Company, Stress Responsiveness and Behavioral Adaptation to Shelter Living in Dogs, 2001-2003, \$38,830 (Co-Principal Investigator).

National Science Foundation. Undergraduate Mentoring in Environmental Biology, 1999-2003, \$260,000, Faculty Associate (Investigator).

ADVISOR/COADVISOR FOR THESES***Dissertation***

Anne Tamborski Harvey
Michael Williams
Deborah Maken

Masters

Jacquelyn Chamberlin	Nadia Kardegar	Jennifer Dazey
Keely O'Connell	Jesse Caraway	Vincent Alexander
Kris Paik	Randi Schneider	Evan Xanthos
Emily Dudley	Amanda Schreiber	Withayapon Watansriyakul
Regina Willen	Alex Bertke	Kendra Huhta

Undergraduate honors

Robyn Ritchey	Laura Moorman	Patricia Schiml
Holly Moore	Peter McConnell	Cori Jones
Lora Becker	D. Renee' O'Neil	Shawn McInturf
Franklynn Graves	Deborah Maken	Shonagh O'Leary
Jesse Hawke	Travis Young	Shannon Wilson
Heather Stewart	Millie Sims	Katie Bullinger
Sarah Jensen	Ryan Zate	Allison Perkeybile
Steven Tamborski	Christopher Fitch	Peter McOwen
Brittany Yusko	Josh Johnson	Matthew Shiverdecker
Tang Watansriyakul	Katelyn Berberich	Joshua Sensenbaugh
Andrea Bell	Deanna McPeck	Ashley Flohres

RECENT PAPERS PRESENTED AT PROFESSIONAL MEETINGS

Hennessy, M.B., Schiml, P.A., Deak, T., Capitanio, J.P., & Kinnally, E.L. (2020, October). Rodent and nonhuman primate models of attachment disruption and inflammatory-mediated depression. International Society for Developmental Psychobiology, Virtual.

Clafin, D., Costello, A., Gallimore, D.M., Shoemaker, A., Hennessy, M.B., & Quinn, J.J. (2020, October). Social buffering attenuates corticosterone levels and amygdala activity following stress exposure in juvenile rats. International Society for Developmental Psychobiology, Virtual.

Hennessy, M.B., Sensenbaugh, J.D., Bell, A., Schiml, P.A., & Deak, T. (2019, October). Presence of mother prompts apparent adaptive dissociation of neuroinflammatory, febrile, and behavioral

responses in guinea pig pups in a threatening environment. International Society for Developmental Psychobiology, Chicago, IL.

- Zimmerman, T.D., Kaiser, S., Hennessy, M.B., Sachser, N. (2019, July). Adaptive shaping of social behavioural phenotypes during adolescence. International Ethological Conference, Chicago, IL.
- Hennessy, M., Schiml, P., Sensenbaugh, J., Gallimore, D., Garybush, A., Mondello, J., & Deak, T. (2018, November) Sensitization of depressive-like behavior following repeated attachment-figure separation is associated with altered expression of hypothalamic neuroimmune signaling molecules. International Society for Developmental Psychobiology, San Diego, CA.
- Schmidt, A.E., Milhem, M.N., Koraym, N.A., Hennessy, M.B., & Claflin, D.I. (2017, November). Effects of corticosterone administration on contextual fear conditioning using peri-orbital shock. International Society for Developmental Psychobiology, Washington, DC.
- Costello, A.M., Koraym A.A., Shoemaker, A.P., Gallimore, D.M., Hennessy, M.B., & Claflin, D.I. Social buffering reduces plasma corticosterone levels and amygdala activity following stress exposure in juvenile rats. International Society for Developmental Psychobiology, Washington, DC.
- Huhta, K., Tai, F., Watansriyakul, W.T., Gallimore, D.M., Schiml, P.A., & Hennessy, M.B. (2017, November). Central oxytocin reduces plasma cortisol levels in isolated guinea pig pups. International Society for Developmental Psychobiology, Washington, DC.
- Willen, R.M., Schiml, P.A., & Hennessy, M.B. (2017, October). A program of human interaction reduces a standard measure of aggression in fearful shelter dogs. Canine Science Conference, Tempe, AZ.
- Hennessy, M.B., Schiml, P.A., & Deak, T. (2017, June). To call or not to call: assessing the determinants of vocalizing by isolated guinea pig pups. Speaker in symposium: Species-specific signals for protection of the social group. International Behavioral Neuroscience Society, Hiroshima, Japan.
- Hennessy, M.B., Schreiber, A.D., Schiml, P.A., & Deak, T. (2016, November). Does maternal separation in guinea pig pups result in sensitization of a depressive-like state? International Society for Developmental Psychobiology, San Diego, CA.
- Dudley, E.S., Schiml, P.A., & Hennessy, M.B. (2016, May). The effects of shelter housing on canine immune parameters, and impact of human interaction. American Association for Laboratory Animal Science district meeting, Covington, KY.
- Hennessy, M.B. (2016, January). Separation, cytokines, and depression: From monkeys to guinea pigs and back. Winter Conference on Current Issues in Developmental Psychobiology, Papagayo Bay, Costa Rica.
- Gallimore, D., Koraym, A., Kidd, T., Dodd, M., Hennessy, M.B., & Claflin, D.I. (2015, September). Effects of early-life stress and social buffering on learning in juvenile rats. Annual meeting of the Pavlovian Society, Portland OR.
- Watanasriyakul, W., Hennessy, M.B., & Schiml, P.A. (2015, July). Stress buffering of cortisol response in guinea pig pups: the effects of social interactions with unfamiliar males. International Society for Developmental Psychobiology, San Sebastian, Spain.
- Claflin, D.I., Jensen, S.J., Greenfield, L.R., Wentworth-Eidsuane, C.L., Kraszpulski, M., Schmidt, K.D., & Hennessy, M.B. (2015, July). The behavioral effect of postnatal corticosterone administration in developing rats depends on its duration and pattern of elevation. International Society for Developmental Psychobiology, San Sebastian, Spain.

Willen, R.M., Mutwill, A., MacDonald, L.G., Schiml, P.A., & Hennessy, M.B. (2015, June). Developing Practical Treatments to Reduce the Stress and Improve the Welfare of Shelter dogs. Anchorage, AK.

INVITED PRESENTATIONS, COLLOQUIA, ETC.

Canine Science Conference, Phoenix, AZ, 2019, Plenary Speaker

Wright State University, Department of Psychiatry, 2019, Grand Rounds

Sackler Winter Conference, Grace Bay, Turks and Caicos, 2019, Invited symposium speaker

University of Muenster, Muenster Germany, Graduate School of Evolution, 2018, Invited Address

University of Muenster, Muenster Germany, Graduate School of Evolution, 2018, workshop leader

Shaanxi Normal University, Xian China, College of Life Sciences, 2017, Colloquium

RIKEN Brain Science Institute, Tokyo, Japan, 2017, Colloquium

University of Tokyo, Tokyo Japan, Department of Veterinary Ethology, 2017, Colloquium

National Science Foundation workshop, Arlington, VA, 2016, Transforming our Understanding of Maternal Control over the Infant Brain; invited speaker/participant

University of California, Davis, Department of Psychiatry and Behavioral Sciences, 2016, Grand Rounds: Annual "Gig Levine" Lecturer

Society for the Promotion of Applied Research in Canine Science, 2015, Keynote Speaker

National Science Foundation workshop, Arlington, VA, 2015, The Neurodevelopment of Stress Regulation, Social Buffering and Fear Learning: Integration and Crosstalk; invited speaker/participant.

Center for Interdisciplinary Research, University of Bielefeld, Germany, 2014. Workshop entitled: New Perspectives in Behavioural Development: Adaptive Shaping of Behaviour over a Lifetime? Invited speaker/participant

Stanford University, Department of Psychiatry and Behavioral Sciences, 2013, Colloquium

University of California, Davis, Department of Psychology, 2013, Colloquium

University of Magdeburg, Magdeburg Germany, Department of Zoology, 2012, Invited Speaker

University of Muenster, Muenster Germany, Department of Behavioural Biology, 2012, Colloquium

Research retreat of the "Reduction of Phenotypic Plasticity in Behaviour" research Group, 2012, Horn, Germany, Invited speaker

International Society for Psychoneuroendocrinology, Dresden, Germany, 2008, Invited symposium presentation

International Society for Developmental Psychobiology, 2007, Past President's Symposium, Invited presentation

Wright State University School of Medicine, Central Research Forum, 2007, Invited presentation

GlaxoSmithKline, Verona, Italy, 2005, Colloquium

University of Zurich, Switzerland, Departments of Anthropology and Zoology, 2005, Colloquium

Ohio-Miami Valley Society for Neuroscience, 2004, Invited symposium speaker

Binghamton University-SUNY, Department of Psychology, 2004, Colloquium

Wright State University, Department of Psychiatry, 2002, Grand Rounds

University of Muenster, Muenster, Germany, Department of Behavioural Biology, 2002, Colloquium

The Ohio State University, Department of Psychology, 2002, Colloquium
International Society for Developmental Psychobiology, 2001, Presidential Address
Wisconsin Regional Primate Research Center, 2001, Colloquium
American Veterinary Society for Animal Behavior, 2001, Invited address
Winter Neuropeptide Conference, 1999, Invited symposium speaker
Miami Valley Veterinarians Association, 1998, Invited address
Novartis International Roundtable, Birmingham, England, 1997, Featured speaker
Naval Medical Research Attachment - Toxicology, Wright Patterson Air Force Base, 1996, Colloquium
Winter Conference on Current Issues in Developmental Psychobiology, 1996, Invited symposium
Conference on Growing Points in Developmental Psychobiology, 1995, (Festschrift for Seymour Levine) Invited address
University of Cincinnati, Department of Psychology, 1995, Colloquium
University of California-Davis, Department of Psychology and California Regional Primate Research Center, 1993, Colloquium
Miami University, Department of Psychology, 1992, Colloquium
Midwestern Psychological Association, 1992, Invited address
State University of New York-Binghamton, Department of Psychology, 1991, Colloquium
University of California-Davis, Department of Psychology, 1989, Colloquium
Midwestern Psychological Association, 1988, Invited address
Miami Valley Neuroscience Society, 1988, Invited address
Midwestern Psychological Association, 1987, Invited symposium speaker and organizer
The Ohio State University, Department of Psychology, 1985, Colloquium
Santa Clara University, Department of Psychology, 1984, Colloquium
California State University-Hayward, Department of Psychology, 1983, Colloquium
Esalen Institute, Workshop on the Developmental Biology of the Affectional Bond, 1980, Invited speaker, participant

PROFESSIONAL PUBLICATIONS (EXCLUDING ABSTRACTS)

Academic

- Clafin, D.I., Gallimore, D.M., Koraym, A., Costello, A., Hennessy, M.B., & Quinn, J.J. (in press). Social buffering of plasma corticosterone and amygdala responses of young rats following periorbital shock: implications for eyeblink conditioning development. *Behavioral Neuroscience*.
- Hennessy, M.B., Sensenbaugh, J.D., Molina, A.L., Schiml, P.A., & Deak, T. (2020). Presence of mother prompts dissociation of sickness behavior, fever, and hypothalamic gene expression in lipopolysaccharide-injected guinea pig pups, *Developmental Psychobiology*, *62*, 749-757.
- Hennessy, M.B., Willen, R.M., & Schiml, P.A. (2020). Psychological stress, its reduction, and long-term consequences: what studies with laboratory animals might teach us about life in the dog shelter. *Animals*, *10*, 2061, doi:ani10112061.

- Sachser, N., Zimmerman, T.D., Hennessy, M.B., & Kaiser, S. (2020). Sensitive phases in the development of rodent social behavior. *Current Opinion in Behavioral Sciences*, 36, 1-8.
- Hennessy, M.B., Tai, F., Carter, K.A., Watanasriyakul, W.T., Gallimore, D.M., Molina, A.L., & Schiml, P.A. (2019). Central oxytocin alters cortisol and behavioral responses of guinea pig pups during isolation in a novel environment. *Physiology and Behavior*, 212, 112710.
- Willen, R.M., Schiml, P.A., & Hennessy, M.B. (2019) Enrichment centered on human interaction moderates fear-induced aggression and increases positive expectancy in fearful shelter dogs. *Applied Animal Behaviour Science*, 217, 57-62.
- Hennessy, M.B., Schiml, P.A., Berberich, K., Beasley, N.L., & Deak, T. (2019). Early attachment disruption, inflammation, and vulnerability for depression in rodent and primate models. *Frontiers in Behavioral Neuroscience*, 12:314. doi: 10.3389/fnbeh.2018.00314.
- Hennessy, M.B., Deak, T., Sensenbaugh, J.D., Gallimore, D.M., Garybush, A.M., Mondello, J.E., & Schiml, P.A. (2019). Central neuroimmune activity and depressive-like behavior in response to repeated maternal separation and injection of LPS. *Physiology and Behavior*, 199, 366-374.
- Sachser, N., Hennessy, M.B., & Kaiser, S. (2018). The adaptive shaping of social behavioural phenotypes during adolescence. *Biology Letters*, 14, 20180536.
- Hennessy, M.B., Watanasriyakul, W.T., Price, B.C., Bertke, A.S., & Schiml, P.A. (2018). Adult males buffer the cortisol response of young guinea pigs: changes with age, mediation by behavior, and comparison with prefrontal activity. *Hormones and Behavior*, 98, 165-172.
- Kiyokawa, Y., & Hennessy, M.B. (2018). Comparative studies of social buffering: a consideration of approaches, terminology, and pitfalls. *Neuroscience and Biobehavioral Reviews*, 86, 131-141.
- Clafin, D.I., Schmidt, K.D., Vallandingham, Z.D., Kraszpulski, M., & Hennessy, M.B. (2017). Influence of postnatal glucocorticoids on hippocampal-dependent learning varies with elevation patterns and administration methods. *Neurobiology of Learning and Memory*, 143, 77-87.
- Zimmerman, T., Kaiser, S., Hennessy, M.B., & Sachser, N. (2017). Adaptive shaping of the behavioural phenotype during adolescence. *Proceedings of the Royal Society B: Biological Sciences*, 284, 20162784.
- Deak, T., Kudinova, A., Lovelock, D.F., Gibb, B.E., & Hennessy, M.B. (2017). A multispecies approach for understanding neuroimmune mechanisms of stress with consideration of sex differences. *Dialogues in Clinical Neuroscience*, 19, 37-53.
- Hennessy, M.B., & Shair, H.N. (2017). *Filial Attachment: Development, Mechanisms, and Consequences* (pp.427-447). In: J. Call, J. Burghardt, I. Pepperberg, C. Snowdon, & T. Zentall (Eds). *Handbook of Comparative Psychology: Basic Concepts, Methods, Neural Basis, and Behavior*, Vol. 1. Washington D.C.: American Psychological Association.
- Hennessy, M.B., Schreiber, A.D., Schiml, P.A., & Deak, T. (2017). Maternal separation increases later immobility during forced swim in guinea pig pups: evidence for sensitization of a depressive-like state. *Developmental Psychobiology*, 59, 128-132.
- Willen, R.M., Mutwill, A., MacDonald, L. J., Schiml, P.A., & Hennessy, M.B. (2017). Factors determining the effect of human interaction on the cortisol levels of shelter dogs. *Applied Animal Behaviour Science*, 186, 41-48.
- Hennessy, M.B., Chun, K., & Capitanio, J.P. (2017). Depressive-like behavior, its sensitization, social buffering and altered cytokine responses in rhesus macaques moved from outdoor social groups to indoor housing. *Social Neuroscience*, 12, 65-75.
- Wentworth-Eidsaune, Hennessy, M.B., & Clafin, D.I. (2016). Short-term, high-dose injection of corticosterone by injection facilitates trace eye-blink conditioning in young male rats. *Behavioural Brain Research*, 298, 62-68.

- Dudley, E.S., Schiml, P.A., & Hennessy, M.B. (2015). White blood cells, parasite prevalence, and plasma cortisol levels of dogs in a county animal shelter: changes over days and impact of a program of repeated human interaction. *Journal of the American Veterinary Medical Association*, *247*, 1289-1298.
- Hennessy, M.B., Kaiser, S., Tiedtke, T., & Sachser, N. (2015). Stability and change: stress responses and the shaping of behavioral phenotypes over the life span. *Frontiers in Zoology*, *12* (Suppl 1), S18.
- Kaiser, S., Hennessy, M.B., & Sachser, N. (2015). Domestication affects the structure, development and stability of biobehavioural profiles. *Frontiers in Zoology*, *12* (Suppl 1), S19.
- Hennessy, M.B., Stafford, N.P., Yusko-Osborne, B., Schiml, P.A., Xanthos, E.D., & Deak, T. (2015). Naproxen Attenuates Sensitization of Depressive-Like Behavior and Fever during Maternal Separation. *Physiology and Behavior*, *139*, 34-40.
- Hennessy, M.B., Schiml, P.A., Willen, R., Watanasriyakul, W., Johnson, J., & Garrett, T. (2015). Selective social buffering of behavioral and endocrine responses and Fos induction in the prelimbic cortex of infants exposed to a novel environment. *Developmental Psychobiology*, *57*, 50-62.
- Hennessy, M.B. (2014). Filial attachment and its disruption: insights from the guinea pig. *Developmental Psychobiology*, *56*, 1747-1754.
- Hennessy, M.B., McCowan, B., Jiang, J., & Capitanio, J.P. (2014). Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. *Frontiers in Behavioral Neuroscience*, *8*, Article 309, 1-8.
- Hennessy, M.B., Deak, T., & Schiml, P.A. (2014). Sociality and sickness: Have cytokines evolved to serve social functions beyond times of pathogen exposure? *Brain, Behavior, and Immunity*, *37*, 15-20.
- Clafin, D.I., Greenfield, L.R., & Hennessy, M.B. (2013). Modest elevation of corticosterone in preweaning rats impairs subsequent trace eyeblink conditioning during the juvenile period. *Behavioural Brain Research*, *258*, 19-26.
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