

Julia E. Meyers-Manor, Ph.D.

Curriculum Vita

Department of Psychology
Ripon College
300 W Seward St.
Ripon, WI 54971
920-748-8171 (office)
Manorj@ripon.edu

Home
W12668 Olden Rd
Ripon, WI 54971
651-353-9093 (cell)
meyer769@umn.edu

EDUCATION

- Ph.D.** University of Minnesota, Minneapolis, MN Awarded: September 2009
Thesis: Remember When: The Search for Episodic-like Memory in Animals
- B.A.** Macalester College, St. Paul, MN Awarded: May 2004
B.A. in Psychology with Honors
Honor's Thesis: Observational Learning in the Rat: Rat-See does not always mean Rat-Do

PROFESSIONAL APPOINTMENTS

- 2017-present Associate Professor,
Psychology Department
Ripon College, Ripon, WI
- 2012-2017 Visiting Assistant Professor,
Neuroscience Studies and Department of Psychology,
Macalester College, St. Paul, MN
- 2009-2012 Adjunct Professor,
See Teaching Experience below for courses taught and departments

PUBLICATIONS

- Bembenek, B.M., Meyers-Manor, J.E., & Forbes-Lorman, R.M. (2023). The Young and the Restless: Decrease in ERα cells within the BNST of sexually naive male rats following an encounter with a novel female. *Behavioural Brain Research*, (Under Review).
- Meyers-Manor, J. (2020). Animal farm: Using common domestic animals to teach comparative psychology. *International Journal of Comparative Psychology*, 33. Retrieved from <https://escholarship.org/uc/item/8z94n18r>
- Meyers-Manor, J. & Botten, M. A* (2020). Shoulder to cry on: Heart rate variability and

- empathetic behavioral responses to crying and laughing in dogs. *Canadian Journal of Experimental Psychology*, 74(3), 235-243. <http://dx.doi.org/10.1037/cep0000225>
- Sanford, E.M.*, Burt, E.R.*, & Meyers-Manor, J.E. (2018). Timmy's in the Well: Empathy and Prosocial Helping in Dogs. *Learning and Behavior*, 46, 374-386. <https://doi.org/10.3758/s13420-018-0332-3>
- Meyers-Manor, J. E. (2018). If it looks like a duck: Fish fit the criteria for pain perception. *Animal Sentience*, 3(21), 7.
- Craig, L.*, Meyers-Manor, J.E., Anders, K.A., Sutterlin, S., & Miller, H. (2017). Heart Rate Variability and Canine Aggression. *Applied Animal Behavior Sciences*, 188, 59-67.
- Meyers-Manor, J.E. (2016). Book Review: Learning and Behavior: A Contemporary Synthesis (2nd Edition). *The Journal of Undergraduate Neuroscience Education*, 15(1), R3.
- Overmier, J.B., Meyers-Manor, J.E. (2015). Alerts for Assessing Biological Constraints on Behavior. *International Journal of Comparative Psychology*, 28. uclapsych_ijcp_25933. Retrieved from: <https://escholarship.org/uc/item/8tk8h8c4>
- Meyers-Manor, J.E., Overmier, J.B., Hatfield, D.W.*, & Croswell, J.* (2013). Not so bird brained: Pigeons show what-where-when memory as both time of day and how long ago. *Journal of Experimental Psychology: Animal Behavior Processes*, 40(2), 225-240. DOI: 10.1037/xan0000016
- Stellmack, M. A., Konheim-Kalkstein, Y. L., Manor, J. E., Massey, A. R.*, and Schmitz, J. A. P.* (2009). An assessment of reliability and validity of a rubric for grading APA-style introductions. *Teaching of Psychology*, 36, 102-107.
- Holden, J. M., Meyers-Manor, J. E., Overmier, J.B., Gahtan, E., Sweeney, W., & Miller, H. (2008). Lipopolysaccharide-induced immune activation impairs attention but has little effect on short-term working memory, *Behavioral Brain Research*, 194, 138-145.
- Meyers-Manor, J. E. (2005). Book Review: The Genesis of Animal Play: Testing the Limits by Gordon Burghardt. *American Journal of Human Biology*, 17(6), 824-826.
- Abramson, C. I, Kandolf, A., Sheridan, A., Donohue, D., Bozic, J., Meyers, J. E., & Benbassat, D. (2004) Development of an ethanol model using social insects: III. Preferences for ethanol solutions. *Psychological Reports*. 94(1), 227-239.

PUBLICATIONS IN PREPARATION

- Rivera, M. M.* & Meyers-Manor, J.E. (2022). Beware of Strangers: Dogs' Empathetic Response to Unknown Humans. *Animal Cognition* (In preperation)
- Palmer, D.*, Meyers-Manor, J.E., & Wiertelak, E.P. (2019) Enriching the Brain: How

Differing Levels and Short-term Environmental Enrichment Reverse Spatial Memory Deficits of the Cholinergic System.

Qu, J., Wiertelak, E.P., Meyers-Manor, J.E., Examining the Effects of Energy Deprivation on the Strength Model of Self-Control: An Imposition Theory. In Preparation.

Johnson, T.*, Linn, B.*, Iyer, E.*, Yee, D.*, Meyers-Manor, J.E., & Wiertelak, E.P.

Alternatives in Pain Relief: The Analgesic and Anti-inflammatory Effects of Shan Zhu Yu (*Cornus Officinalis*). In Preparation.

PEER-REVIEWED CONFERENCE PARTICIPATION

Mandel, O. & Meyers-Manor, J.E. (April, 2023). Lending a Helping Paw: Factors Influencing Empathy-like Behavior in Rats. Poster presented at Comparative Cognition Conference in Melbourne Beach, FL.

Mandel, O. & Meyers-Manor, J.E. (October, 2023). A Helping Paw: Factors Influencing Empathy-like Behavior. Poster presented at Midbrains Undergraduate Neuroscience Conference in Eau Claire, WI.

Zeinert, L. & Meyers-Manor, J.E. (October 2021). Girls Don't Want to Have Fun: The Effects of Enrichment Removal on Anxiety in a Rat Model. Poster presented at Midbrains Undergraduate Neuroscience Conference at UW Eau Claire (Online).

Meyers-Manor, J. & Rivera, M.* (July 2021). Beware of Strangers: Empathy and Pro-social Helping in Dogs toward Strange Dogs and Humans. Poster presented for the Cognitive Science Society in Vienna, Austria (Online).

Meyers-Manor, J. & Rivera, M.* (October 2019). Beware of Strangers: Empathy and Pro-social Helping in Dogs toward Strange Dogs and Humans. Poster presented for the Association for Professional Dog Trainers Conference in Portland, OR.

Groat, R.*, & Meyers-Manor, J. (October 2019). Observations of Behaviors in Doggy Day Care. Poster presented for the Association for Professional Dog Trainers Conference in Portland, OR.

Meyers-Manor, J. (April 2019). Lending a Helping Paw: Variables in Canine Empathy. Talk at the Comparative Cognition Conference, Melbourne Beach, FL.

Oimoen, M.*, Johnson, L.*, King, K.*, Kovack-Lesh, K., & Meyers-Manor, J. (April 2019) Memory effects in rats based on novel object task after change in enrichment. Poster at Comparative Cognition Conference, Melbourne Beach, FL.

Rivera, M.*, King, K.* Micale, M.*, & Meyers-Manor, J. (April 2019). Beware of Strangers: Dogs' Empathetic Responses to Strange Humans and Strange Dogs. Presented poster at

Comparative Cognition Conference, Melbourne Beach, FL.

Meyers-Manor, J.E., Qu, J.* (April 2018). Ego Depletion and Glucose Reversal in Rats: Evidence for a Metabolic Model of Self-Control? Talk at the Comparative Cognition Conference, Melbourne Beach, FL.

Oimoen, M.*, Rivera, M.*, Meyers-Manor, J.E. (April 2018). Sweet Tooth: The Role of Glucose and Saccharin on Self Control. Presented poster at Comparative Cognition Conference, Melbourne Beach, FL.

Johnson, T.*, Linn, B.*, Meyers-Manor J.E., Brisbois, R. & Wiertelak E.P. (November 2017). Natural medicines and pain: Effects of methanolic extract of Corni fructus in rat. Presented at Society for Neuroscience Main Meeting, Washington D.C.

Cayton, C.*, Meyers-Manor, J.E., Ismat, A., & Wiertelak, E.P. (November 2017). Optogenetic stimulation of giant fiber neurons in *Drosophila*: Impact on competing motivational states. Presented at Society for Neuroscience Main Meeting, Washington D.C.

Anders, K.A., & Meyers-Manor, J.E. (October 2017). A Change of Heart: Examining Heart Rate Variability in the Treatment of Aggression. Poster and Presentation at the Association of Professional Dog Trainers Conference in Richmond, VA.

Meyers-Manor, J.E., Sanford, E.M.*, & Burt, E.R.* (October 2017). Lending a Helping Paw: Empathy towards Owners in Therapy and Non-Therapy Dogs. Poster and Presentation at the Association of Professional Dog Trainers Conference in Richmond, VA.

Sanford, E.M.*, Burt, E.R.*, & Meyers-Manor, J.E. (April 2017) Timmy's in the well: Empathy and prosocial helping in dogs. Poster at the Comparative Cognition Conference in Melbourne Beach, FL.

Laske, A.*, Qu, J.*, Meyers-Manor, J.E., Wiertelak, E.P. (November 2016) A within-subjects operant model to examine strength theory and ego depletion in rats: effects of glucose administration. Poster at Society for Neuroscience Main Session in San Diego, CA

Meyers-Manor, J.E., Parmenter, M.L.*, & Wiertelak, E.P. (November 2016) Central cholinergic function: impact of limited environmental enrichment on spatial learning and memory deficits in the rat. Poster at Society for Neuroscience Main Session in San Diego, CA

Wiertelak, E.P., Fergus, S.*, & Meyers-Manor, J.E. (November 2016) Environmental enrichment may produce central effects in modulating the impact of high-fat diet induced anxiety in a rat model of obesity. Poster at Society for Neuroscience Main Session in San Diego, CA

Sanford, E.*, Meyers-Manor, J.E. (April 2016). The Bystander Effect in Rats. Poster at Comparative Cognition Conference in Melbourne, FL

Anders, K.A., Craig, L.*, Meyers-Manor, J.E., Sutterlin, S., Miller, H. (October 2015).

Heart rate variability and aggression in companion dogs. Poster at Association of Professional Dog Training in Dallas, TX.

Meyers-Manor, J.E., Botten, M.*, Chu, W.*, & Wiertelak, E.P. (November 2015). Heart rate variability in dogs: Toward a valid behavioral model of empathy in companion animals. Poster at Society for Neuroscience Main Session in Chicago, IL.

Craig, L.*, Meyers-Manor, J.E., Anders, K.A., Sutterlin, S., Miller, H., & Wiertelak, E.P. (November 2015). Heart rate variability and aggression in companion dogs. Poster at Society for Neuroscience Main Session in Chicago, IL.

Palmer, D.*, Wiertelak, E.P., & Meyers-Manor, J.E. (November 2015). The Effects of Different Levels of Environmental Enrichment on Reversing Cholinergic Deficits in Rats. Poster at Society for Neuroscience Main Session in Chicago, IL.

Wiertelak, E.P., Nguyen, N.*, Meyers-Manor, J.E., & Salcin, K.* (July 2015). A novel animal model of nociception: Examinations of opiate modulation of behavior in zebrafish exposed to dilute acetic acid. Poster at Annual Meeting of the Japan Neuroscience Society in Tokyo, Japan.

Meyers-Manor, J.E., Campbell, B.A., Mathews, N.D.*, Chu, W.*, Sanford, E.*, & Wiertelak, E.P. (April 2015). Lending a helping paw: The role of gender and stress levels on pro-social and empathy behaviors in rats. Poster at Comparative Cognition Conference in Melbourne, FL.

Campbell, B.A.*, Meyers-Manor, J.E., Mathews, N.D.*, & Wiertelak, E.P. (November 2014) Lending a Helping Paw: GABAergic mechanisms in empathy and pro-social behaviors in rats. Poster at Society for Neuroscience Main Session and Faculty Undergraduate Neuroscience Poster Sessions in Washington, D.C.

Currie, A.*, Gaidis, E.J.*, Manor, J.E., & Wiertelak, E. (November 2013) Toward a novel model of pain in zebrafish: Identification of behavioral responses on exposure to water containing acetic acid. Poster at Faculty for Undergraduate Neuroscience Poster Session in Society for Neuroscience Meeting in San Diego, CA.

Meyers-Manor, J.E. (August 2009). Remember When: The Search for Episodic-like Memory. Talk presented at the American Psychological Association in Toronto, ON.

Meyers-Manor J. E., & Overmier, J.B. (April 2009). Remember When: The Search for Episodic-like Memory in Pigeons. Poster presented at the Comparative Cognition Conference in Melbourne, FL and at Center for Cognitive Sciences Research Day in Minneapolis, MN.

Stellmack, M. A., Konheim-Kalkstein, Y. L., and Manor, J. E. (2007). Does analyzing poor writing examples improve students' own writing?, Presented at the 19th Annual Convention of the Association for Psychological Science, Washington, DC.

Meyers-Manor, J.E., & Overmier, J.B. (2006) Saturday Night Fever: The Effects of ‘Illness’ on Attention. Poster presented at the Pavlovian Society Meeting, Philadelphia, PA.

Wenner, J. & Meyers, J.E. (April 2005) Contextual Factors Associated With Children’s Recall of a Fictional Story. Poster presented by Dr. Jennifer Wenner at the Society for Research in Child Development, Atlanta, GA.

Meyers, J.E., Abramson, C. (March 2003) The Development of a Social Insect Model of Alcoholism III; The Response of Honeybees to Imported and Domestic Spirits. Poster presented at the Southwestern Psychological Association Conference, New Orleans, LA.

GRANTS HONORS AND AWARDS

- 2022 Severy Award for Teaching
- 2022 Summer Research Grant (SOAR) from Ripon College
- 2021 Scholarly Activities Grant from Ripon College
- 2021 Summer Research Grant to Support Undergraduate Research from Ripon College
- 2020 Summer Research Grant to Support Undergraduate Research from Ripon College
- 2019 Summer Research Grant to Support Undergraduate Research from Ripon College
- 2018 President’s Grant for Kids Judge Neuroscience Fair Ripon College
- 2018 Scholarly Activities Grant from Ripon College
- 2018 Summer Research Grant to Support Undergraduate Research from Ripon College
- 2017 Scholarly Activities Grant from Ripon College
- 2017 Association of Professional Dog Trainers Poster Competition First Place Poster
- 2017 Association of Professional Dog Trainers Poster Competition Second Place Poster
- 2016 Association of Professional Dog Trainers Research Grant
- 2016 Educating Sustainability Ambassador Student Summer Research Grant, Macalester College
- 2016 Association of Professional Dog Trainers Poster Competition Second Place Poster
- 2015 Educating Sustainability Ambassador Curriculum Development Grant, Macalester College
- 2015 Inducted into Nu Rho Psi the Neuroscience Honor’s Society, Macalester College
- 2009 CARE Award through American Psychological Association, Toronto, ON
- 2009 Center for Cognitive Science Poster Winner, University of Minnesota
- 2008 Vertically Integrated Research Team Experience Summer Fellowship, University of Minnesota
- 2005 Sigma Xi Science Honor Society, University of Minnesota
- 2004 Phi Beta Kappa Honor Society, Macalester College
- 2002 Psi Chi Honor Society, Macalester College

INVITED AND CAMPUS TALKS

- 2021 How to Speak Dog Ripon Alumni Weekend
- 2019 RPAW and Saving Sully How to Speak Dog Talk
- 2018 Ceresco Workshop Participant with Robert Hannaford on morality in dogs.
- 2017 Brown Bag Lunch at Ripon College on empathy in dogs.

- 2016 Led Workshop for Macalester College on embracing student writing.
- 2015 Emotional Beasts Lecture for Psi Chi at University of Wisconsin Eau Claire
- 2015 Video Segment for Macalester College website on dog body language
- 2014 Lecture for class reunion at Macalester College on dog body language
- 2013 Lecture for Macalester College students and alumni on dog body language and cognition
- 2011 Lecture for the MN School of Business Vet Techs on canine behavior
- 2008 Lecture for the Center for Cognitive Science at University of Minnesota on episodic memory in animals

TEACHING EXPERIENCE

Ripon College

Human Animal Interactions (Spring 2023)
Sensation and Perception (Spring 2021)
Drugs and Society (Fall 2020)
Behavioral Neuroscience (Fall 2019, Fall 2022)
Catalyst 300 (Fall 2019, Fall 2020)
Health Psychology (Spring 2019)
Brain Mind and Behavior (Fall 2018)
Research Methods and Statistics 211 Fall and 212 Spring (Fall 2018, 2019, Fall 2021, Spring 2021, Fall 2022)
Learning and Behavior (Spring 2018, Spring 2019, Fall 2021, Spring 2023)
Senior Seminar (Spring 2018, Fall 2020)
General Psychology (Fall 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Fall 2021, Fall 2022, Spring 2023)
Inside the Animal Mind (Fall 2017, Spring 2019)

Macalester College

Exploring Sensation and Perception (Spring 2014, Fall 2014, Fall 2016)
Directed Research in Neuroscience (Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017)
Brain, Mind, and Behavior (Spring 2016)
Principles of Learning and Behavior (Spring 2010, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017)
Brain and Emotion (Spring 2015, Spring 2017)
Inside the Animal Mind Seminar (Spring 2010, Spring 2013, Fall 2013, Fall 2015)
Research in Practice II- Methods (Fall 2013)
Introduction to Psychology Lab (Fall 2013)
Directed Research in Psychology (Spring 2013)
Research in Practice I- Statistics (Fall 2012)

University of Minnesota

Cognitive Psychology (Spring 2013)
Introduction to Psychology Lab Instructor (Fall 2011, Spring 2012)
Biopsychology Instructor (Fall 2008, Spring 2009)
Honors Research Methods in Psychology Instructor (Spring 2007, Fall 2007, Spring 2008)

Research Methods in Psychology (TA- Fall 2004, Spring 2005, Summer 2005, Fall 2005;
Instructor Spring 2006, Summer 2006, Fall 2006)

University of Saint Thomas

Research Methods (Spring 2012)

Human Brain and Behavior (Spring 2010)

Saint Catherine's University

Introduction to Psychology in Weekend and Evening College (Spring 2012)

Developmental Psychology in WEC (Spring 2012)

Augsburg College

Introduction to Psychology (Fall 2011)

RESEARCH EXPERIENCE

2017- present **Animal Behavior and Cognition Lab Director**, Ripon College

I have directed students on a variety of projects relating to animal cognition and Behavior including self-control in rats, hawk problem solving, and dog empathy.

2013- 2017 **Animal Behavior and Cognition Lab Director**, Macalester College

I have directed students on a variety of projects relating to animal cognition and behavior.

2004-2009 **Doctoral Thesis Work**, University of Minnesota

2004-2009 **Teaching Assessment Research**, University of Minnesota

I examined the effectiveness of teaching methods and rubrics in the context of a research methods course.

2002-2004 **Research Assistant for Cognitive Reasoning Lab and Developmental Lab**, Macalester College

I was a lab manager and researcher as an undergraduate at Macalester College studying reading inferences and parent-child interactions. I also performed research on body-language in dolphins.

2003-2003 **NSF Research Experience for Undergraduates (Psi Chi Sponsored)**, Indiana University

I performed research on polar bear stereotypy and pigeon superstitious behaviors.

2002-2002 **NSF Research Experience for Undergraduates**, Oklahoma State University

I performed research on nicotine and alcohol interactions in honeybees.

2001-2001 **NSF Research Experience for Undergraduates**, University of Kansas

I performed research on house mice wayfinding

DEPARTMENT AND UNIVERSITY SERVICE

2022-present Assessment Coordinator for Ripon College
 2022-present Department Chair of Psychology
 2018-present Health Professions and Careers Committee
 2018-present Ripon College Institutional Animal Care and Use Committee
 2018-present Psychobiology Codirector 2019-2020
 2022-2022 Substitute IRB Committee Member
 2020-2023 Search Committee Chair for psychology hires
 2021-2021 Search Committee Chair for Visiting Professor in Psychology
 2021-2021 Search Committee Chair for Postdoctoral Fellowship in Psychology
 2020-2020 Appeals Review Board Member
 2018-2020 Academic Standards Committee (Chair)
 2019-2020 Jamaica Scholars' Committee
 2018-2020 Phi Beta Kappa Secretary
 2018-2019 Senior Showcase Planning Committee
 2018-2019 Search Committee for Assistant Professor in Psychology
 2018-2018 Search Committee for Visiting Assistant Professor in Psychology
 2015-2017 Non-tenure track liaison to the CST at Macalester College
 2013-2017 Member of the Institutional Animal Care and Use Committee (IACUC) at Macalester College
 2013-2017 Member of the Psychology Review Board (PRB) at Macalester College
 2015-2016 Poster liaison for the Psychology Department at Macalester College

COMMUNITY OUTREACH AND INVOLVEMENT

2023 Interviewed by [Scientific American about Dog Head Tilting](#)
 2022 Ripon College Rat Challenge Open to Community
 2022 Kids Judge Neuroscience Fair, Hosted at Ripon College
 2022 Interviewed by KCBS radio in San Francisco about Cat and Dog Behavior
 2022 Interviewed by [Inverse about Dogs Sensing Stress in Humans](#)
 2022 Interviewed for Live Science about [Dog](#) and [Cat](#) Emotions
 2022 Interviewed by [CNN for Comfort Dogs in Uvalde Texas Article](#)
 2021 Ripon College Rat Challenge Open to Community
 2021 Community Talk at Green Lake Town Square: Empathy in Dogs
 2020 Community Talk at Green Lake Town Square: Emotional Beasts
 2020 Community Talk at Green Lake Town Square: How to Speak Dog
 2019 Kids Judge Neuroscience Fair, Hosted at Ripon College
 2019 Ripon College Rat Challenge Open to Community
 2019 Ripon College Health Fair, hosted at Ripon College
 2018 Kids Judge Neuroscience Fair, hosted at Ripon College
 2018 National Press Release on Dog Empathy Research (500+ published articles)
 2018 Community talk at Green Lake library on Dog Empathy
 2018 Ripon College Rat Challenge Open to Community

- 2017 Lecture for Twin Cities Obedience on Training and HRV
- 2017 Lecture for Northstars Therapy Dog Group on Empathy in Dogs
- 2016 Kids Judge Neuroscience Fair, hosted at Macalester College
- 2016 Lecture for Twin Cities Obedience Training School on dog aggression and HRV.
- 2015 Kids Judge Neuroscience Fair, hosted at Macalester College
- 2014 Lecture for Seniors Learning Together, Burnsville, MN on dog cognition
- 2014 Kids Judge Neuroscience Fair, hosted at Macalester College
- 2013 Lecture for Twin Cities Obedience Training School on dog cognition
- 2011 Lecture for Edina Community Education on dog behavior and cognition

PROFESSIONAL SERVICE AND MEMBERSHIPS

- 2023 Grant reviewer for Leverhulme Trust
- 2018 Departmental Review of Neuroscience Program for Loras College, Dubuque, IA
- 2016-present Ad hoc Peer-Reviewer for PLOS One, Journal of Undergraduate Neuroscience Education, Physiology and Behavior, Animals, and Animal Cognition

Cognitive Science Society
Society for Neuroscience
Faculty for Undergraduate Neuroscience
Comparative Cognition Society