

## CHRISTINA J REPPUCCI, PhD

Wheaton College  
Dept. of Psychology  
Mars Science Center Rm 1131  
26 E. Main Street  
Norton, Massachusetts 02766

E-mail: reppucci\_christina@wheatoncollege.edu  
Website: <http://christinajreppucci.com>  
ORCID ID: 0000-0002-7252-9996

### EMPLOYMENT & EDUCATION:

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- 2021-present Visiting Assistant Professor of Neuroscience, Wheaton College, Norton, MA
- 2015-2021 Postdoctoral Researcher  
Michigan State University, East Lansing, MI (2017-2021)  
Boston College, Chestnut Hill, MA (2015-2016)  
Mentor: Alexa H. Veenema, Ph.D., Neurobiology of Social Behavior Laboratory  
Projects: Neurobiology of social play in juvenile rats; social motivation vs. food motivation in rats and mice
- 2010-2015 Ph.D. in Psychology (Behavioral Neuroscience), Boston College, Chestnut Hill, MA  
Mentor: Gorica D. Petrovich, Ph.D., Neurobiology of Feeding Behavior Laboratory  
Dissertation: *The functional forebrain circuitry of fear-cue inhibited feeding in food-deprived rats: Evidence from complementary pathway tracing and Fos induction maps studies*
- 2008-2010 M.A. in Psychology (Behavioral Neuroscience), Boston College, Chestnut Hill, MA  
Mentor: Gorica D. Petrovich, Ph.D.  
Thesis: *Chronic Stress, Food Consumption, and Emotional Behavior in Rats*
- 2004-2008 B.S. in Biology, *summa cum laude* with departmental honors. Neuroscience minor. French minor.  
Gettysburg College, Gettysburg, PA  
Research Mentors: Stephen M. Siviyy, Ph.D. & J. Matthew Kittelberger, Ph.D.  
Capstone project: *The effects of acute and chronic nicotine administration on behavioral measures of fear and anxiety in juvenile rats*

### SELECTED ADVANCED TRAINING & PROFESSIONAL DEVELOPMENT:

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- 2020, July e-Learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age  
University of Illinois at Urbana-Champaign, 4-week course via Coursera
- Leading for Equity, Diversity and Inclusion in Higher Education  
University of Michigan, 5-week course via Coursera
- 2020, May Optimizing Mentoring Relationships by Aligning Expectations  
Facilitator: Melissa McDaniels, PhD; workshop held at Michigan State University
- 2020, March Research Mentor Training for Graduate Students and Postdoc Mentors of Undergraduate Students  
Facilitator: Melissa McDaniels, PhD; workshop held at Michigan State University
- 2018, June Optimizing Mentoring Relationships to Promote Diversity & Research Excellence  
Facilitator: Melissa McDaniels, PhD; workshop held at Michigan State University
- 2018, Jan Reveal, Don't Conceal: Re-thinking Data Visualization and Statistics Education to Improve Transparency and Reproducibility  
Facilitator: Tracey L. Weissgerber, PhD, Mayo Clinic; workshop held at Michigan State University
- 2018, Jan Write Winning Grant Proposals  
Grant Writers' Seminars and Workshops, LLC; workshop held at Michigan State University
- 2015, May Apprenticeship in College Teaching Program, Certificate of Achievement  
Center for Teaching Excellence at Boston College, Chestnut Hill, MA

## ADDITIONAL WORK EXPERIENCE:

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- 2005-2008 Lab Assistant for Advancing Science, Gettysburg College, Gettysburg, PA  
Lab prep and cleanup, lab development, cleaning, organizing, and assistance at workshops.  
Part-time position during the academic year.
- 2005-2008 Conservation Aide, Maine Department of Environmental Protection, Augusta, ME  
Data entry and management. Worked extensively in Microsoft Excel, Access, and Oracle-backed databases. Full-time, seasonal position (12 weeks/year).

## RECOGNITIONS & AWARDS:

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- 2021 Undergraduate Research Supervisor of the Year Award, Michigan State University  
2021 Postdoctoral Excellence in Teaching and/or Mentoring Award, Michigan State University  
2019 International Brain Research Organization World Congress Travel Award, Society for Neuroscience  
2019 New Investigator Award, Society for Behavioral Neuroendocrinology  
2019 Poster Award, Neurobiology of Motivated Behavior Symposium, Michigan State University  
2017 First place, 3MT research talk competition, Michigan Regional Postdoctoral Symposium  
2017 Glenn I. Hatton Memorial Fellowship Award, World Congress on Neurohypophysial Hormones  
2014-2015 Dissertation Fellowship, Graduate School of Arts & Sciences, Boston College  
2014 Donald J. White Teaching Excellence Award, Boston College  
2013 Graduate Student Association's Individual Research & Conference Grant, Boston College  
2008 Betty M. Barnes Memorial Award for Excellence in Biology, Gettysburg College  
2004-2008 Dean's List, Gettysburg College  
2004-2008 Presidential Scholarship, Gettysburg College

## MEMBERSHIPS:

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- 2018-present Graduate Women in Science  
2017-2021 National Postdoctoral Association  
2016-present Society for Social Neuroscience  
2016-present Society for Behavioral Neuroendocrinology  
2014-present Psi Chi Honor Society  
2013-2015 Eastern Psychological Association  
2008-present Society for Neuroscience  
2008-present Phi Beta Kappa Honor Society

## PROFESSIONAL SERVICE:

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### *Institution/Department*

- 2020 **Judge**, posters, Mid-Michigan Symposium for Undergraduate Research Experiences  
2020 **Reviewer**, Postdoctoral Excellence in Teaching and/or Mentoring Award, Michigan State University  
2020 **Panelist**, "*Troubleshooting your Undergraduate Research Experience*", Michigan State University  
2018 **Judge**, posters, University Undergraduate Research and Arts Forum, Michigan State University  
2018 **Judge**, oral presentations, 10<sup>th</sup> Annual Graduate Academic Conference, Michigan State University  
2018 **Interviewer**, Neuroscience Program Graduate Student Recruitment, Michigan State University  
2018-2020 **Reviewer**, Postdoctoral Excellence in Research Award, Michigan State University  
2017-2020 **Reviewer**, Biannual Postdoc Travel Award, Michigan State University  
2017-2021 **Member**, Postdoctoral Association (MSU-PDA) Steering Committee, Michigan State University  
Chair of the Steering Committee (2019-2021)  
Chair of the Communications & Digital Presence Sub-Committee (2018-2019)  
Member-At-Large (2017-2018)  
2012-2016 **Member**, Higgins Hall Lab Safety Committee, Boston College  
2009-2015 **Member**, Psychology Department Colloquium Committee, Boston College  
2008-2009 **Member**, Psychology Graduate Student Research Day Organizational Committee, Boston College

## Community

- 2020 **Co-Organizer**, 2020 Michigan Regional Postdoctoral Symposium  
Chair of the Communications & Logistics Subcommittee  
Chair of the Abstracts Subcommittee
- 2019 **Judge**, posters, 23<sup>rd</sup> Annual Meeting of the Society for Behavioral Neuroendocrinology
- 2019 **Judge**, posters, 50<sup>th</sup> Annual Meeting of the Michigan Chapter of the Society for Neuroscience
- 2018-2021 **Member**, Mid-Michigan Chapter of Graduate Women in Science  
Outreach Committee (2019-2021)  
Member-At-Large (2018-2019)
- 2017 **Judge**, posters, 48<sup>th</sup> Annual Meeting of the Michigan Chapter of the Society for Neuroscience
- 2015-present **Ad hoc reviewer**: Physiology & Behavior, Heliyon, Psychoneuroendocrinology, Brain Structure & Function, Journal of Neuroscience Research, Scientific Reports, Behavioural Brain Research

## PRE-PRINTS (+indicates graduate student mentee)

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- +Lee, J.D.A., **Reppucci, C.J.**, Bowden, S.M., Huez, E.D.M, Bredewold, R., Veenema, A.H. (2021). Structural and functional sex differences in the ventral pallidal vasopressin system are associated with the sex-specific regulation of juvenile social play behavior in rats. *bioRxiv*. doi: 10.1101/2021.01.31.429043.

## PEER-REVIEWED ARTICLES (^indicates undergraduate student mentee):

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- Reppucci, C.J.** & Veenema, A.H. (2020). The Social versus Food Preference Test: A behavioral paradigm for studying competing motivated behaviors in rodents. *MethodsX*. 7:10111. doi: 10.1016/j.mex.2020.101119.
- Reppucci, C.J.**, ^Brown, L.A., ^Chambers, A.Q., & Veenema, A.H. (2020). Wistar rats and C57BL/6 mice differ in their motivation to seek social interaction versus food in the Social versus Food Preference Test. *Physiology & Behavior*. 227:113162. doi: 10.1016/j.physbeh.2020.113162.
- Reppucci, C.J.**, ^Gergely, C.K., Bredewold, B., & Veenema, A.H. (2020). Involvement of orexin/hypocretin in the expression of social play behavior in juvenile rats. *International Journal of Play*. Special Issue: "The Neuroscience of Play: Honoring the Life's Work of Jaak Panksepp". 9(1):108-127. doi: 10.1080/21594937.2020.1720132
- Bredewold, R., Nascimento, N., Ro, G., Cieslewski, S., **Reppucci, C.J.**, & Veenema, A.H. (2018). Involvement of dopamine, but not norepinephrine, in the sex-specific regulation of juvenile socially rewarding behavior by vasopressin. *Neuropsychopharmacology*. 43:2109–2117. doi:10.1038/s41386-018-0100-2.
- Reppucci, C.J.**, ^Gergely, C.K., & Veenema, A.H. (2018). Activation patterns of vasopressinergic and oxytocinergic brain regions following social play exposure in juvenile male and female rats. *Journal of Neuroendocrinology*. 30(8):e12582. doi: 10.1111/jne.12582.
- Reppucci, C.J.** & Petrovich, G.D. (2018). Neural substrates of fear-induced hypophagia in male and female rats. *Brain Structure and Function*. 223(6):2925-2947. doi: 10.1007/s00429-018-1668-3.
- Reppucci, C.J.** & Petrovich, G.D. (2016). Organization of connections between the amygdala, medial prefrontal cortex, and lateral hypothalamus: a single and double retrograde tracing study in rats. *Brain Structure and Function*. 221(6):2937–2962. doi: 10.1007/s00429-015-1081-0.
- Reppucci, C.J.**, ^Kuthyar, M., & Petrovich, G.D. (2013). Contextual fear cues inhibit eating in food-deprived male and female rats. *Appetite*. 69:186-195. doi: 10.1016/j.appet.2013.06.004.
- Petrovich, G.D., ^Hobin, M.P., & **Reppucci, C.J.** (2012). Selective Fos induction in hypothalamic orexin/hypocretin, but not melanin-concentrating hormone neurons, by a learned food-cue that stimulates feeding in sated rats. *Neuroscience*. 224:70-80. doi: 10.1016/j.neuroscience.2012.08.036.
- Reppucci, C.J.** & Petrovich, G.D. (2012). Learned food cue stimulates persistent feeding in sated rats. *Appetite*. 59(2):437-447. doi: 10.1016/j.appet.2012.06.007.

**CONFERENCE PRESENTATIONS & PUBLISHED ABSTRACTS** (\*indicates talk; ^indicates undergraduate student mentee; +indicates graduate student mentee):

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Veenema, A.H., Bredewold, R., **Reppucci, C.J.** (2022, March). *Role of dopamine in the regulation of social play behavior in male and female juvenile rats*. Talk to be delivered at Dopamine 2021 during the “Sex differences in dopaminergic regulation during development” Symposium. Montréal, Québec, Canada. [2020 conference was postponed to 2022]

Huez, E.D.M., +Lee, J.D.A., **Reppucci, C.J.**, Bowden, S.M., Bredewold, R., & Veenema, A.H. (2021, July). *Role of the ventral pallidum in the regulation of social play behavior in juvenile male and female rats*. Poster P2.56. 25<sup>th</sup> annual Meeting of the Society for Behavioral Neuroendocrinology. Online.

**Reppucci, C.J.**, ^Khaykin, V.M., +Lee, J.D.A., Yoest, K.E., & Veenema, A.H. (2021, June). *Role of septal projections to the ventral tegmental area in the expression of social play behavior in juvenile rats*. Poster #81. ViDA 2021. Online.

^Khaykin, V.M., ^Brown, L.A., Veenema, A.H., & **Reppucci, C.J.** (2021, February). *Temporal dynamics and neural substrates of social versus food investigation*. Poster #34. S4SN 2020\*. Online.

**Reppucci, C.J.**, ^Brown, L.A., ^Chambers, A.Q., & Veenema, A.H. (2020, August). *The choice to seek social interaction versus food differs with age and between Wistar rats and C57BL/6J mice*. Poster presented at IBNS 2020. Online.

**Reppucci, C.J.**, Bohrer, A.S., Vasquez, J.A., Martin, N., Hammer, S.S., Emery, N., & Hunt, A. (2020, March). *Assessing postdoc engagement and satisfaction with postdoctoral association communications and programming at Michigan State University*. 18<sup>th</sup> National Postdoctoral Association Conference. San Diego, CA. [Conference cancelled]

**Reppucci, C.J.**, ^Chambers, A.Q., ^Brown, L.A., & Veenema, A.H. (2019, October). *The motivation to seek social contact versus food differs with age and between rats and mice*. Program No. 325.20. 2019 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience 2019.

**Reppucci, C.J.**, Bredewold, R., ^Chambers, A.Q., Washington, C.L., & Veenema, A.H. (2019, September). *Involvement of the ventral tegmental area in socially rewarding behavior in juvenile male and female rats*. Poster P34.03. 10th IBRO World Congress of Neuroscience. Daegu, South Korea. DOI: <https://doi.org/10.1016/j.ibror.2019.07.1611>.

\***Reppucci, C.J.**, Bredewold, R., ^Chambers, A.Q., Washington, C.L., & Veenema, A.H. (2019, June). *Involvement of the ventral tegmental area in socially rewarding behavior in juvenile male and female rats*. Talk delivered during the 23<sup>rd</sup> Annual Meeting of the Society for Behavioral Neuroendocrinology. Bloomington, IN.

**Reppucci, C.J.**, ^Chambers, A.Q., Bredewold, R., Washington, C.L., & Veenema, A.H. (2019, May). *Activation of the ventral tegmental area supports the expression of social play behavior in juvenile rats*. Poster A22. 50<sup>th</sup> Annual Meeting of the Michigan Chapter of the Society for Neuroscience, Kalamazoo, MI.

**Reppucci, C.J.**, Bredewold, R., ^Posani, S.S., Washington, C.L., & Veenema, A.H. (2018, November). *Activation of the ventral tegmental area supports the expression of social play behavior in juvenile rats*. Program No. 229.15. 2018 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2018.

\***Reppucci, C.J.** (2018, November). *Neural substrates underlying social motivation in juvenile rats*. Talk delivered during the “Social Motivation Across the Lifespan” Minisymposium. Program No. 347.04. 2018 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2018.

**Reppucci, C.J.**, ^Gergely, C.K., & Veenema, A.H. (2018, July). *Recruitment of vasopressinergic and oxytocinergic brain regions in response to social play*. Poster presented at the 9<sup>th</sup> International Congress of Neuroendocrinology. Toronto, Canada.

**Reppucci, C.J.**, ^Gergely, C.K., Nascimento, N.F., Ro, G.S., Bredewold, R., & Veenema, A.H. (2017, November). *Recruitment of the ventral tegmental area and its afferent pathways during socially rewarding behavior in juvenile male and female rats*. Program No. 162.01. 2017 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2017. Poster also presented at the 8<sup>th</sup> Annual Meeting of the Society for Social Neuroscience, Washington, DC.

Smith, J.A., Bredewold, R., **Reppucci, C.J.**, & Veenema, A.H. (2017, November). *Behavioral and neuroanatomical characterization of the vasopressin system in the bed nucleus of the stria terminalis reveals potential coordination of separate populations of vasopressin neurons in mediating social behavior*. Program No. 162.04. 2017 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2017.

Meeting Planner. Washington, DC: Society for Neuroscience, 2017. Poster also presented at the 8<sup>th</sup> Annual Meeting of the Society for Social Neuroscience, Washington, DC.

\***Reppucci, C.J.**, ^Gergely, C.K., & Veenema, A.H. (2017, July). *Recruitment of vasopressin and oxytocin neurons in the paraventricular and supraoptic hypothalamic nuclei during social play in juvenile male and female rats*. Talk delivered and poster presented (#30) at the 12th World Congress on Neurohypophysial Hormones, Mangaratiba – Rio de Janeiro, Brazil.

Smith, J.A., Bredewold, R., **Reppucci, C.J.**, & Veenema, A.H. (2017, July). *Behavioral and neuroanatomical characterization of the vasopressin system in the bed nucleus of the stria terminalis reveals potential coordination of separate populations of vasopressin neurons in mediating social behavior*. Poster #32. 12th World Congress on Neurohypophysial Hormones, Mangaratiba – Rio de Janeiro, Brazil.

**Reppucci, C.J.**, ^Gergely, C.K., Nascimento, N.F., Ro, G.S., Bredewold, R., & Veenema, A.H. (2017, March). *Involvement of orexin in the regulation of socially rewarding behavior in juvenile rats*. Poster B25. 48<sup>th</sup> Annual Meeting of the Michigan Chapter of the Society for Neuroscience, Ann Arbor, MI.

Nascimento, N.F., Ro, G.S., **Reppucci, C. J.**, Bredewold, R., & Veenema, A.H. (2016, November). *Lateral septum vasopressin system interacts with nucleus accumbens and prefrontal cortex to regulate social play in sex-specific ways*. Program No. 260.06. 2016 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2016. Online.

**Reppucci, C.J.**, ^Gergely, C.K., Nascimento, N.F., Ro, G.S., Bredewold, R., & Veenema, A.H. (2016, November). *Socially rewarding behavior recruits orexin/hypocretin neurons in juvenile male and female rats*. Program No. 260.09. 2016 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2016. Online. Poster was also presented at the 7<sup>th</sup> Annual Meeting of the Society for Social Neuroscience, San Diego, CA.

**Reppucci, C.J.**, ^Gergely, C.K., Nascimento, N.F., Ro, G.S., Bredewold, R., & Veenema, A.H. (2016, August) *Recruitment of orexin/hypocretin neurons during socially rewarding behavior in juvenile male and female rats*. Poster P1.41. 20<sup>th</sup> Annual Meeting of the Society for Behavioral Neuroendocrinology, Montréal, Québec, Canada.

\***Reppucci, C.J.** & Petrovich, G.D. (2015, March). *Differential activation of distinct basolateral amygdalar regions during fear-cue inhibited feeding*. Paper presented at the Annual Meeting of the Eastern Psychological Association, Philadelphia, PA.

**Reppucci, C.J.** & Petrovich, G.D. (2015, March). *Forebrain Fos induction following fear-cue inhibited feeding in male and female rats*. Poster presented at the Annual Meeting of the Eastern Psychological Association, Philadelphia, PA.

Keefer, S.E., **Reppucci, C.J.**, Mayer, H.S., & Petrovich, G.D. (2014, November). *Plasticity within the basolateral amygdala pathways to the prelimbic cortex during Pavlovian appetitive conditioning*. Program No. 650.11. 2014 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2014. Online.

**Reppucci, C.J.** & Petrovich, G.D. (2014, November). *Suppressed Fos induction within the central nucleus of the amygdala corresponds with inhibited feeding in the presence of a fear-cue in male and female rats*. Program No. 256.10. 2014 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2014. Online.

Keefer, S.E., **Reppucci, C.J.**, Mayer, H.S., & Petrovich, G.D. (2014, July). *Basolateral amygdala-medial prefrontal cortex pathway recruitment during Pavlovian appetitive conditioning*. #47. Seattle, WA: Society for the Study of Ingestive Behavior, 2014. Online.

\***Reppucci, C.J.** & Petrovich, G.D. (2014, March). *Fear-cue inhibited feeding corresponds with suppressed Fos-induction in the central amygdala*. Paper presented at the Annual Meeting of the Eastern Psychological Association, Boston, MA.

**Reppucci, C.J.** & Petrovich, G.D. (2013, November) *Fear-cue inhibited feeding in male and female rats: Fos-induction within the central nucleus of the amygdala*. Program No. 756.10. 2013 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2013. Online.

Keefer, S., **Reppucci, C.J.**, & Petrovich G.D. (2013, September). *Basolateral amygdala-medial prefrontal cortex pathway recruitment across Pavlovian appetitive conditioning*. Poster 10. Austin, TX: Pavlovian Society, 2013. Online.

- Reppucci, C.J.** & Petrovich, G.D. (2012, October). *Neuroanatomical evidence for a topographically organized forebrain network composed of the amygdala, medial prefrontal cortex, and lateral hypothalamus in rats*. Program No. 283.05. 2012 Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience, 2012. Online.
- Cole, S., Powell, D.J., Hobin, M.P., **Reppucci, C.J.**, & Petrovich, G.D. (2012, July). *Expression of Pavlovian appetitive conditioning recruits orexin neurons in the medial region of the lateral hypothalamus in the rat*. Proceedings of the 2012 Annual Meeting of the Society for the Study of Ingestive Behavior. *Appetite*. 59(Supplement 1):e14.
- Petrovich, G.D. & **Reppucci, C.J.** (2011, November). *Selective activation of the hypothalamic peptide orexin/hypocretin, but not melanin-concentrating hormone by a learned cue that stimulates feeding in sated rats*. Program No. 285.23. 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.
- Reppucci, C.J.** & Petrovich, G.D. (2011, November). *Characterization of the basolateral amygdala pathways to the medial prefrontal cortex and lateral hypothalamus in rats*. Program No. 600.16. 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

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**ADDITIONAL PRESENTATIONS & INVITED TALKS** (\*indicates talk; ^indicates undergraduate student mentee):

- \*Reppucci, C.J. (2021, May). *The VTA and social play*. Talk delivered at the Michigan State University Behavioral Neuroscience Brews 'n Science Seminar Series, Online.
- \*Reppucci, C.J. (2020, November). *Uncovering the neural substrates of motivated behaviors in adolescent male and female rodents*. Talk delivered at Hampden-Sydney College, Online.
- Reppucci, C.J., ^Brown, L.A., ^Chambers, A.Q., & Veenema, A.H. (2020, October). *The choice to seek social interaction versus food differs with age and between Wistar rats and C57BL/6J mice*. Poster presented at the 2020 Michigan Regional Postdoctoral Symposium. Online.
- \*Reppucci, C.J. (2019, December). *Uncovering the neural substrates of motivated behaviors in adolescent male and female rodents*. Talk delivered at Emmanuel College, Boston, MA.
- Reppucci, C.J., ^Chambers, A.Q., Bredewold, R., Washington, C.L., & Veenema, A.H. (2019, May). *Activation of the ventral tegmental area supports the expression of social play behavior in juvenile rats*. Poster presented at the Neurobiology of Motivated Behavior Symposium. East Lansing, MI.
- \*Reppucci, C.J. & Veenema, A., (2019, February). *The coordination of behavior under competing motivational states during adolescence*. Talk delivered at the monthly Motivated Behavior Research Group meeting, Michigan State University, East Lansing, MI.
- Reppucci, C.J., Bredewold, R., Washington, C.L., ^Chambers, A.Q., & Veenema, A.H. (2018, October). *Activation of the ventral tegmental area supports the expression of social play behavior in juvenile rats*. Poster presented at the 2018 Southeast Michigan Postdoctoral Symposium, Ann Arbor, MI.
- \*Reppucci, C.J. & Veenema, A.H. (2018, September). *Activation of the ventral tegmental area supports the expression of social play behavior in juvenile rats*. Talk delivered at the Behavioral Neuroscience Data Blitz, Michigan State University, East Lansing, MI.
- \*Reppucci, C.J. & Veenema, A.H. (2018, January). *Neural substrates underlying social motivation in juvenile rats*. Talk delivered at the Behavioral Neuroscience Data Blitz, Michigan State University, East Lansing, MI.
- \*Reppucci, C.J., ^Gergely, C.K., Nascimento, N.F., Ro, G.S., Bredewold, R., & Veenema, A.H. (2017, September). *Involvement of orexin in the regulation of socially rewarding behavior in juvenile rats*. Talk delivered at the Michigan Regional Postdoctoral Symposium 2017, Detroit, MI.
- \*Reppucci, C.J. & Veenema, A.H. (2017, September). *Neuropeptides & neural pathways underlying social motivation in juvenile rats*. Talk delivered at the Behavioral Neuroscience Data Blitz, Michigan State University, East Lansing, MI.
- Reppucci, C.J. & Petrovich, G.D. (2015, September). *Forebrain Fos induction following fear-cue inhibited feeding in male and female rats*. Poster presented at the Annual Symposium of the Center for Neuroendocrine Studies, Amherst, MA.

- \*Reppucci, C.J. (2015, August). *The forebrain circuitry underlying learned-cue control of feeding: Pathway tracing and Fos imaging studies*. Talk delivered at Brooklyn College, Brooklyn, NY.
- \*Reppucci, C.J. (2015, March). *The forebrain circuitry underlying learned-cue control of feeding: Pathway tracing and Fos imaging studies*. Talk delivered at Beth Israel Deaconess Medical Center, Boston MA.
- Reppucci, C.J. & Petrovich, G.D. (2014, December). *Distinct amygdalar regions are differentially activated during fear anorexia in male and female rats*. Poster presented at Global Public Health: Policy, Disparity, and Disease, Boston College, Chestnut Hill, MA.
- Reppucci, C.J. & Petrovich, G.D. (2014, April). *Fear-cue inhibited feeding in male and female rats: Fos induction within the central nucleus of the amygdala*. Poster presented at Graduate Student Research Day, Boston College, Chestnut Hill, MA & at the Third Annual Symposium for Boston-Area Graduate Students in Psychology, Boston, MA.
- \*Reppucci, C.J., ^Kuthyar, M., & Petrovich, G.D. (2013, May). *Contextual fear cues inhibit eating in food-deprived male and female rats*. Talk delivered at Graduate Student Research Day, Boston College, Chestnut Hill, MA.
- Reppucci, C.J. & Petrovich, G.D. (2013, May). *Neuroanatomical evidence for a topographically organized forebrain network composed of the amygdala, medial prefrontal cortex, and lateral hypothalamus in rats*. Poster presented at Graduate Student Research Day, Boston College, Chestnut Hill, MA.
- Reppucci, C.J., & Petrovich, G.D. (2012, May). *Selective activation of the hypothalamic peptide orexin/hypocretin, but not melanin-concentrating hormone by a learned cue that stimulates feeding in sated rats*. Poster presented at Graduate Student Research Day, Boston College, Chestnut Hill, MA.
- Reppucci, C. J. & Petrovich, G.D. (2012, May). *Characterization of the basolateral amygdala pathways to the medial prefrontal cortex and lateral hypothalamus in rats*. Poster presented at the First Annual Symposium for Boston-Area Graduate Students in Psychology, Boston, MA.
- \*Reppucci, C.J. & Petrovich, G.D. (2011, May). *Defining the connections of the forebrain's "Bermuda Triangle"*. Talk delivered at Graduate Student Research Day, Boston College, Chestnut Hill, MA.
- Reppucci, C.J., ^Kuthyar, M., & Petrovich, G.D. (2011, December). *Fear-contextual cues inhibit eating in food-deprived male and female rats*. Poster presented at the Affective Science Meeting, Boston, MA.
- \*Reppucci, C.J. & Petrovich, G.D. (2010, May). *Chronic stress, palatable food, and their effects on emotional behavior in rats*. Talk delivered at Graduate Student Research Day, Boston College, Chestnut Hill, MA.
- Reppucci, C.J., & Siviy, S.M. (2008, May). *The effects of acute and chronic nicotine administration on anxiety in juvenile rats*. Poster presented at the Student Research Symposium, Gettysburg College, Gettysburg, PA.
- \*Reppucci, C.J., Kitterberger, J.M., & Siviy, S.M. (2007, December). *The effect of nicotine on fear and anxiety in male juvenile rats*. Talk delivered at the Biology Department Research Symposium, Gettysburg College, Gettysburg, PA.

## TEACHING EXPERIENCE:

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**Note:** An electronic teaching portfolio (including a list of attended teaching workshops, sample syllabi & in-class activities, and assessments of teaching effectiveness) can be found at: <https://www.christinajreppucci.com>

### Teaching Fellow (Instructor of Record), Department of Psychology, Boston College

2014, Fall	PSYC4481: Research Practicum in Behavioral Neuroscience Course rating (across categories): 4.45/5; Instructor rating (across categories): 4.81/5
2014, Spring	PS481: Research Practicum in Behavioral Neuroscience Course rating (across categories): 4.25/5; Instructor rating (across categories): 4.70/5
2013, Spring	PS481: Research Practicum in Behavioral Neuroscience (developed as a new course) Course rating (across categories): 4.32/5; Instructor rating (across categories): 4.67/5
2012, Fall	PS388: Neurobiology of Eating and Eating Disorders (co-taught with Gorica Petrovich, PhD) Course rating (across categories): 4.12/5; Instructor rating (across categories): 4.41/5

**Guest Lecturer, Department of Psychology, Michigan State University**

2019 PSY 493: Neuroscience of Psychopathologies; "*Psychopathologies: an outlook*"; "*Editing out fear*"

2018-2020 PSY209: Brain and Behavior; "*Homeostasis II: Feeding Behavior*"; "*Learning & Memory*"

**Guest Lecturer, Department of Biology & Department of Psychology, Boston College**

2015 BIOL5490: Introduction of Neuroscience; Lecture: "*Vision: Phototransduction/retinal output*"; Review session on synaptic plasticity, touch, proprioception, pain, vision

PSYC4481: Research Practicum in Behavioral Neuroscience; "*Fos induction analysis*"

2014 PS383: Neurobiological Basis of Learning; "*Learning about danger: The neurobiology of fear memories*"

2013 & 2011 PS385: Neurobiology of Motivation & Emotion; "*Integration between motivational and reward systems: Model system of feeding*"

2010 PS285: Behavioral Neuroscience; "*Distribution of neurotransmitters in the nervous system*"

**Teaching Assistant, Department of Psychology, Boston College**

2013, Fall PS388: Neurobiology of Eating and Eating Disorders

2011, Spring PS287: Learning & Motivation

2010, Fall PS285: Behavioral Neuroscience  
PS388: Neurobiology of Eating and Eating Disorders

2010, Spring PS333: Addictions

2009, Fall PS111: Introduction to Psychology as a Social Science  
PS388: Neurobiology of Eating and Eating Disorders

**Guest Lab Assistant, Department of Psychology, Boston College**

2009-2011 PS383: Neurobiological Basis of Learning; Assisted in instruction of sheep brain dissection lab.

**Teaching Assistant, Department of Biology, Gettysburg College**

2008, Spring BIO235: Neurobiology

**Peer Learning Associate (Tutor), Department of Biology, Gettysburg College**

2007, Fall BIO212: Cell Biology

**MENTORING EXPERIENCE:****Master's Thesis Mentor, Michigan State University**

2019-2021 Jessica Lee (Psychology Department, Behavioral Neuroscience Program): *Involvement of the ventral pallidum in the regulation of social play in juvenile male and female rats.*

**Senior Thesis Mentor, Michigan State University** (note: students also presented their theses as posters at MSU's annual University Undergraduate Research and Arts Forum; UURAF)

2018-2019 Ashley Chambers (Biochemistry Thesis, Honors Credit): *Changes in extracellular neurotransmitter levels in the ventral tegmental area during social play in juvenile male and female rats.* **\*First prize poster at UURAF**

**Senior Thesis Mentor, Boston College** (note: students also presented their theses as posters at BC's annual Psychology Undergraduate Research Conference; PURC)

2016-2017 Cassandra Gergely (Psychology Thesis, approved with distinction): *Recruitment of vasopressin and oxytocin neurons in the paraventricular and supraoptic hypothalamic nuclei during social play in juvenile male and female rats.*



- 2014-2015 Anna Whitham (Psychology Honors Thesis): *The role of the nucleus of the solitary tract and the dorsal motor nucleus of the vagus nerve in the control of feeding by learned aversive cues.*
- 2012-2013 Meghana Kuthyar (Psychology Honors Thesis): *Extinction of fear-cue induced inhibition of eating in male and female rats: Activation of brainstem nuclei.*
- John Young (Psychology Honors Thesis): *Fear-cue induced inhibition of feeding: activation of the central nucleus of the amygdala.*
- Jordan Newmark (School of Arts & Sciences Honors Thesis): *Sex differences in orexin activation patterns of fear-cue induced inhibition of eating in rats.*
- 2011-2012 Heather Mayer (Psychology Thesis): *Brain activation patterns during fear-cue induced inhibition of feeding in food-deprived male and female rats.*

**Mentor, Summer Research Program for NINDS ENDURE (Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences), Michigan State University** (students also presented their projects as a poster at the annual Mid-Michigan Symposium for Undergraduate Research Experiences)

- 2018 Natasha M. Méndez Albelo: *The relationship between the motivational drives of food-seeking and social interaction in adolescent female and male rats.*

**Mentor, Summer Research Program, Ronald E. McNair Postbaccalaureate Achievement Program, Boston College**

2011 Heather Mayer: *The effect of food deprivation on orexin and melanin-concentrating hormone.*

**Research Experience Mentor, Neurobiology of Social Behavior Laboratory, Boston College/Michigan State**

2015-2021 Supervised undergraduate students working as volunteer or paid research assistants, Independent Study students, as well as students who received Provost Undergraduate Research Initiative Awards (from Michigan State University). I mentored 8 students for periods of time up to two years each.

**Research Experience Mentor, Neurobiology of Feeding Behavior Laboratory, Boston College**

2009-2015 Supervised undergraduate students working as volunteer research assistants, Independent Study students, as well as students who received Undergraduate Research Fellowships (from Boston College). I mentored 12 students for periods of time ranging from one semester to four years each.

**Mentor, Additional Presentations by Mentored Undergraduate<sup>^</sup> and Graduate<sup>+</sup> Students**

- <sup>^</sup>Kalia, N., **Reppucci, C.J.**, & Veenema, A.H. (2021, July) *Examining activation of oxytocin neurons in adolescent C57BL/6 mice following investigation of social and food stimuli.* Poster presented at the 11<sup>th</sup> annual Mid-Michigan Symposium for Undergraduate Research Experiences. Online.
- +Lee, J.D.A., **Reppucci, C.J.**, Bowden, S.M., Huez, E.D.M., Bredewold, R., & Veenema, A.H. (2021, July). *Structural sex differences in the ventral pallidal vasopressin system may be associated with the sex-specific regulation of social play behavior in juvenile rats.* Poster presented at the 25<sup>th</sup> annual Meeting of the Society for Behavioral Neuroendocrinology. Online.
- +Lee, J.D.A., **Reppucci, C.J.**, Bowden, S.M., Huez, E.D.M., Bredewold, R., & Veenema, A.H. (2021, January). *Role of vasopressin signaling in the ventral pallidum in the sex-specific regulation of social play behavior in juvenile rats.* Poster P2.51. 30<sup>th</sup> annual Meeting of the International Behavioral Neuroscience Society. Online.
- <sup>^</sup>Khaykin, V.M., **Reppucci, C.J.**, & Veenema, A.H. (2021, April). Temporal dynamics of social versus food investigation in C57BL/6 mice and Wistar rats. Oral presentation at the 23<sup>rd</sup> annual University Undergraduate Research and Arts Forum, Online.
- <sup>^</sup>Kalia, N., <sup>^</sup>Khaykin, V.M., **Reppucci, C.J.**, & Veenema, A.H. (2021, April). Neural substrates of social and food investigation in adolescent C57BL/6 mice. Oral presentation at the 23<sup>rd</sup> annual University Undergraduate Research and Arts Forum, Online.
- +Lee, J.D.A., **Reppucci, C.J.**, Bowden, S.M., Huez, E.D.M., Bredewold, R., & Veenema, A.H. (2021, January). *Role of vasopressin signaling in the ventral pallidum in the sex-specific regulation of social play behavior in juvenile male and female rats.* Poster P268.01. SfN Global Connectome. Online.

- ^Khaykin, V.M., ^Brown, L.A., **Reppucci, C.J.**, & Veenema, A.H. (2020, August). *Identifying a neural pathway that regulates social play behavior in juvenile male and female rats*. Poster presented at the 10<sup>th</sup> annual Mid-Michigan Symposium for Undergraduate Research Experiences. Online.
- ^Brown, L.A., **Reppucci, C.J.**, & Veenema, A.H. (2019, July). *Rats and mice differ in their motivation to seek social contact versus food*. Poster presented at the 9<sup>th</sup> annual Mid-Michigan Symposium for Undergraduate Research Experiences. East Lansing, MI.
- ^Brown, L.A., **Reppucci, C.J.**, & Veenema, A.H. (2019, May). *Differences between rats and mice in their motivation to seek social contact versus food*. Poster presented at the Neurobiology of Motivated Behavior Symposium. East Lansing, MI.
- ^Chambers, A.Q., **Reppucci, C.J.**, & Veenema, A.H. (2019, May). *Age differences in hunger-mediated changes in social contact-seeking in male and female rats*. (2019, May). Poster presented at the Neurobiology of Motivated Behavior Symposium. East Lansing, MI.
- +Yang, S.Y., **Reppucci, C.J.**, & Veenema, A.H. (2019, May). *Social saliency alters preference for investigating a social stimulus over investigating a food stimulus in adolescent male and female rats*. (2019, May). Poster presented at the Neurobiology of Motivated Behavior Symposium. East Lansing, MI.
- ^Méndez Albelo, N.M., **Reppucci, C.J.**, & Veenema, A.H. (2018, November). *The relationship between the motivational drives of food-seeking and social interaction in adolescent female and male rats*. Poster presented in the Diversity Poster Session (poster D96) at Society for Neuroscience, 2018, San Diego, CA.
- ^Posani, S.S., **Reppucci, C.J.**, & Veenema, A.H. (2018, May). *Effect of social isolation and hunger on the motivation to seek social contact or food in adolescent rats*. Poster presented at the 49<sup>th</sup> annual Meeting of the Michigan Chapter of the Society for Neuroscience, Detroit, MI.
- ^Chambers, A.Q., **Reppucci, C.J.**, & Veenema, A.H. (2018, April). *Regulation of sociosexual motivation by vasopressin neurosignaling in male rats*. Poster presented at the 20<sup>th</sup> annual University Undergraduate Research and Arts Forum, Michigan State University.
- ^Posani, S.S., **Reppucci, C.J.**, & Veenema, A.H. (2018, April). *Effect of social isolation and hunger on the motivation to seek social contact or food in adolescent rats*. Poster presented at the 20<sup>th</sup> annual University Undergraduate Research and Arts Forum, Michigan State University.
- ^Kuthyar, M., **Reppucci, C.J.**, Petrovich, G.D. (2012, May). *Fear-contextual cues inhibit eating in food-deprived male and female rats*. Poster presented at the Psychology Undergraduate Research Conference, Boston College.
- ^Kuthyar, M., **Reppucci, C.J.**, & Petrovich, G.D. (2011, November). *Fear-contextual cues inhibit eating in food-deprived male and female rats*. Program No. 412.13. 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.

## GRANT-WRITING EXPERIENCE

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R21 MH127208; Role: PI (multi-PI proposal with Dr. Alexa Veenema)  
 "Regulation of social interaction-seeking and food-seeking by orexin/hypocretin"  
 Submitted October 2020: not awarded. Impact Score: 33, Percentile 17.

Brian & Behavior Research Foundation Young Investigator Grant; Role: PI  
 "The coordination of motivated behaviors during adolescence: Role of the orexin/hypocretin system"  
 Submitted March 2020: not awarded

Graduate Women in Science Fellowship Program; Role: PI  
 "The coordination of behavior under competing motivational states during adolescence: Role of the orexin system"  
 Submitted January 2019: not awarded; Resubmitted January 2020: not awarded

F32 MH119729; Role: PI  
 "Regulation of competing motivational drives by orexin/hypocretin during adolescence"  
 Submitted August 2018: not discussed; Resubmitted April 2019. Impact Score: 36, Percentile: 42

## OUTREACH:

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### **Darwin Discovery Day, Michigan State University Museum, East Lansing, MI**

2020 MSU scientists and students annually take part in Darwin Discovery Day to share their expertise and love of science with the public. Activities, tours and university science collections are featured throughout the Museum. I designed and ran demonstrations with volunteers from the Mid-Michigan Chapter of Graduate Women in Science.

### **Campfire Science Night, Woldumar Nature Center, Lansing, MI**

2019 This family-friendly event, organized by the Mid-Michigan Chapter of Graduate Women in Science as part of the Annual MSU Science Festival, offered a variety of hands-on nature-themed activities. I designed, coordinated, and ran demonstrations.

### **Girls' Math & Science Day, Michigan State University**

2019-present This annual event, organized by the Mid-Michigan Chapter of Graduate Women in Science (GWIS), provides middle-school aged girls a fun day working through science demos and games with enthusiastic and knowledgeable science students and researchers at MSU. I assisted in demonstrations coordinated by the Mid-Michigan GWIS and the Neurobiology of Social Behavior Laboratory.

### **Girls' STEM Day, Michigan State University**

2018-present This annual event, organized by the Michigan State University Women in Engineering Outreach Office, provides K-4<sup>th</sup> graders with hands-on activities in science, technology, engineering, and math. I assisted in demonstrations coordinated by the Mid-Michigan chapter of Graduate Women in Science.

### **Neuroscience Fair, Michigan State University**

2018 This annual event offers teachers, students, and parents the opportunity to experience neuroscience firsthand through a variety of neuroscience-related activities. I assisted in demonstrations coordinated by the MSU Neuroscience Outreach Program.

### **Elementary Science Nights, Michigan State University**

2017 Visited local elementary schools to do a variety of hands-on activities with students and families. I assisted in demonstrations coordinated by Michigan State University's BEACON Evolution Education and Outreach Group.

### **Neurobiology of Social Behavior Laboratory: Open House Events, Boston College/Michigan State University**

2017 MSU Neuroscience Club Annual Lab Tour: Coordinated event  
PSY Research Lab Open House: Helped organize event & led informational sessions.

2016 Bring-Your-Parents-To-The-Lab-Day: Helped organize event, led informational sessions, and participated in Q&A panel.

### **Brain Awareness Week Outreach Programs, Boston College**

2009-2016 Graduate student-run annual outreach program to local elementary schools, middle schools, and after-school programs. Aimed at educating students about neuroscience and the structure and functioning of the brain through a variety of hands-on activities. Helped plan and execute activity stations during outreach events.

### **Adam's Country Annual Young Women's Leadership Conference, Gettysburg, PA**

2006-2008 Co-led sessions talking to middle-school aged girls about careers for women in science, and engaging them in hands-on science experiments.

## SPECIALIZED SKILLS:

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*Laboratory Skills:* Rodent handling and husbandry, brain extraction, microtome & cryostat use, tissue mounting, immunohistochemistry, RNAScope, Nissl staining, light and fluorescence microscopy, receptor autoradiography

*Surgical Procedures:* Peripheral injections (subcutaneous, intraperitoneal, intramuscular), transcardial perfusions, stereotaxic surgery for intracerebral injections (iontophoretic, pressure), cannulation, or microdialysis probe placement

*Behavioral Testing:*

Restraint stress, footshock, behavioral conditioning chambers, elevated plus maze, predator odor, startle response, juvenile social play, 3-chamber preference test, *in vivo* microdialysis sampling during on-going behavior

*Software Familiarity:*

Adobe CS (Photoshop, Illustrator, Acrobat), Qualtrics, SPSS, GraphPad Prism, ImageJ, Solomon Coder, AnyMaze, Graphic State 3.0