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## ACADEMIC POSITIONS

2013-Present **Assistant Professor**, *Department of Biomedical Sciences, Marquette University*  
2013 **Associate Scientist**, *Department of Psychology, University of Wisconsin-Milwaukee*  
2007-2012 **Postdoctoral Fellow**, *Department of Psychology, University of Wisconsin-Milwaukee*

## EDUCATION

2007 **Ph.D.** Integrative Biosciences—Neuroscience, Advisor: Matthew McEchron, Ph.D.  
*The Pennsylvania State University College of Medicine, Hershey, PA*  
Dissertation: Mapping learning networks by examining neuronal and population activity during trace classical fear conditioning.

2000 **B.S.** Honors Biochemistry, Advisor: Jochen Schacht, Ph.D.  
*The University of Michigan, Ann Arbor, MI*  
Thesis: Competition assays for aminoglycoside-iron binding.

## ACTIVE GRANTS

2016-2020 **Mnemonic integration of prefrontal-temporal lobe activity during emotional memory formation.** National Science Foundation (IOS:1558121). Role: P.I.

2016-2021 **Systems and molecular mechanisms of retrieval-dependent memory destabilization.** National Institute of Mental Health (1R01MH112141-01). Role: Co-I (P.I.: Fred Helmstetter, UWM)

## COMPLETED GRANTS

2014-2017 **Optogenetic investigation of prefrontal cortical regulation of memory formation.** Whitehall Foundation Research Grant (2014-08-67). Role: P.I.

2016 **The role of estradiol in mediating the effects on fear memory by the stress peptide PACAP.** Marquette University Regular Research Grant/Summer Faculty Fellowship. Role: P.I.

2014 **Hippocampal Regulation of Prefrontal Cortex during Memory Formation.** Marquette University Regular Research Grant/Summer Faculty Fellowship. Role: P.I.

2010-2011 **Prefrontal interactions with hippocampus and amygdala during trace fear.** National Institute of Mental Health (R03 MH09426). Role: Co-I (P.I.: Fred Helmstetter, UWM)

- 2008-2011 **Molecular signaling underlying trace fear conditioning in hippocampus and mPFC.** Ruth L. Kirschstein National Research Service Award, Postdoctoral Fellowship (F32 MH083422). Role: P.I.
- 2004-2007 **Consolidation of trace fear in hippocampus and amygdala.** Ruth L. Kirschstein National Research Service Award, Predoctoral Fellowship (F31 MH071095). Role: P.I.

## PUBLICATIONS

(\* indicates graduate student, • indicates undergraduate student, † indicates equal contribution)

1. Kirry, A.J. \*, Herbst, M.R. \*, Poirier, S.E. •, Maskeri, M.M. •, Rothwell, A.C. •, Twining, R.C., & Gilmartin, M.R. (2018) Pituitary adenylate-cyclase activating-polypeptide (PACAP) signaling in the prefrontal cortex modulates cued fear learning, but not spatial working memory, in female rats. *Neuropharmacology*. 133:145-154. <https://doi.org/10.1016/j.neuropharm.2018.01.010>
2. Stagl, M. •, Bozsik, M. •, Karow, C. •, Wertz, D. •, Kloehn, I. •, Pillai, S. •, Gasser, P.J., Gilmartin, M.R., & Evans, J.A. (2018) Stress alters adrenal clock function in a sexually dimorphic manner. *Journal of Molecular Endocrinology*. 60(2):55-69. <http://dx.doi.org/10.1530/JME-17-0146>.
3. DellaPolla, A. •, Kloehn, I. •, Pancholi, H., Callif, B. •, Wertz, D. •, Rohr, K. •, Hurley, M. •, Baker, K. •, Hattar, S., Gilmartin, M., & Evans, J. (2017) Long days enhance recognition memory and increase insulin-like growth factor 2 in the hippocampus. *Scientific Reports*. 7(1): 3925. <http://dx.doi.org/10.1038/s41598-017-03896-2>.
4. Gilmartin, M.R., Balderston, N.L., & Helmstetter, F.J. (2014) Prefrontal cortical regulation of fear learning. *Trends in Neurosciences*. 37(8):455-464. <http://dx.doi.org/10.1016/j.tins.2014.05.004>
5. Kwapis, J.L., Jarome, T.J., Lee, J.L., Gilmartin, M.R., & Helmstetter, F.J. (2014) Extinguishing trace fear engages the retrosplenial cortex rather than the amygdala. *Neurobiology of Learning & Memory*. 113:41-54. <http://dx.doi.org/10.1016/j.nlm.2013.09.007>
6. Gilmartin, M.R., Miyawaki, H., Helmstetter, F.J., & Diba, K. (2013) Prefrontal cortex links non-overlapping events in memory. *Journal of Neuroscience*. 33(26): 10910-10914.
7. Gilmartin, M.R., Kwapis, J.L., & Helmstetter, F.J. (2013) NR2A- and NR2B-containing NMDA receptors in the prelimbic medial prefrontal cortex differentially mediate trace, delay, and contextual fear conditioning. *Learning & Memory*. 20:290-294.
8. Gilmartin, M.R., Kwapis, J.L., & Helmstetter, F.J. (2012) Trace and contextual fear conditioning are impaired following unilateral microinjection of muscimol in the ventral hippocampus or amygdala, but not the medial prefrontal cortex. *Neurobiology of Learning & Memory*. 97:452-464.
9. Kwapis, J.L., Jarome, T.J., Gilmartin, M.R., & Helmstetter, F.J. (2012) Intra-amygdala infusion of the protein kinase Mzeta inhibitor ZIP disrupts context fear memory. *Neurobiology of Learning & Memory*. 98:148-153.

10. Gilmartin, M.R., Helmstetter, F.J. (2010) Trace and contextual fear conditioning require neural activity and NMDA receptor-dependent transmission in the medial prefrontal cortex. *Learning and Memory*. 17:289-296.
11. McEchron, M.D., Alexander, D.N., Gilmartin, M.R., Paronish, M.D. (2008) Perinatal nutritional iron deficiency impairs hippocampus-dependent trace eyeblink conditioning in rats. *Developmental Neuroscience*. 30(4):243-254.
12. Gilmartin, M.R., McEchron, M.D. (2005) Single neurons in the medial prefrontal cortex of the rat exhibit tonic and phasic coding during trace fear conditioning. *Behavioral Neuroscience* 119(6):1496-1510. (D.G. Marquis Behavioral Neuroscience award)
13. Gilmartin, M.R., McEchron, M.D. (2005) Single neurons in the dentate gyrus and CA1 of the hippocampus exhibit inverse patterns of encoding during trace fear conditioning. *Behavioral Neuroscience* 119(1):164-179.
14. McEchron, M.D., Cheng, A.Y., Liu, H., Connor, J.R., Gilmartin, M.R. (2005) Perinatal nutritional iron deficiency permanently impairs hippocampus-dependent trace fear conditioning in rats. *Nutritional Neuroscience* 8(3):195-206.
15. McEchron, M.D., Cheng, A.Y., Gilmartin, M.R. (2004) Trace fear conditioning is reduced in the aging rat. *Neurobiology of Learning and Memory* 82:71-76.
16. Gilmartin M.R., McLaren J., Schacht J. (2000) Confounding factors in lanthanide ion probe spectrofluorometric assay of aminoglycoside antibiotics. *Analytical Biochemistry* 283(1):116-119.

## **PUBLICATIONS IN PROCESS**

(\* indicates graduate student, • indicates undergraduate student, † indicates equal contribution)

17. Kirry, A.J. \*, Durigan, D. •, Twining, R.C., & Gilmartin, M.R. Sex differences in the contribution of prefrontal cortical muscarinic signaling to associative fear memory formation. *Neurobiology of Learning and Memory*. *In revision*.
18. Hess, E.\* †, Kong, L.\* †, Kassel, S•, Raddatz, N., Tong, J., Vickstrom, C.R., Grzybowski, M., Klotz, J., Kirry, A. \*, Hurley, M.M. \*, Maunze, B.\*, Mueller, C., Rothstein, J.D., Lobner, D., Gilmartin, M.R., Mantsch, J.R., Liu, Q., Choi, S., Geurts, A.M., and Baker, D.A. An Evolutionarily New Glutamate Release Mechanism Selectively Contributes to Brain Function Required for Complex but not Simple Behaviors in Rat. *Submitted*.
19. Twining, R.C., Herbst, M.R. \*, Lepak, K. •, Kirry, A.J. \*, Gilmartin, M.R. Hippocampal input to the prefrontal cortex mediates contextual, but not cued, fear memory in trace conditioning. *In preparation*.

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**ABSTRACTS AND CONFERENCE PROCEEDINGS**

1. Herbst, M.R., Twining, R.C., Gilmartin, M.R. Ventral hippocampal input to the basolateral amygdala impairs the formation of trace and contextual fear memories. Madison, WI: Wisconsin Symposium on Emotion, 2018.
2. Kirry, A.J., Herbst, M.R., Twining, R.C., Gilmartin, M.R. Direct communication between the medial prefrontal cortex and the basolateral amygdala in the formation of a trace fear memory. Madison, WI: Wisconsin Symposium on Emotion, 2018.
3. Twining, R.C., Herbst, M.R., Kirry, A.J., Lepak, K, Durigan, D., Gilmartin, M.R. Selective silencing of inputs to prefrontal cortex alters cortical encoding of trace fear memory. Washington, D.C.: Society for Neuroscience, 2017.
4. Kirry, A.J., Rothwell, A., Gainer, H., Twining, R.C., Gilmartin, M.R. Prefrontal cortex communication with the basolateral amygdala in the formation of a trace fear memory. Washington, D.C.: Society for Neuroscience, 2017.
5. Herbst, M.R., Twining, R.C., Gilmartin, M.R. Trial restricted silencing of ventral hippocampal communication with the amygdala during the formation of a trace fear memory. Washington, D.C.: Society for Neuroscience, 2017.
6. Twining, R.C., Herbst, M.R., Kirry, A.J., Lepak, K, Durigan, D., Gilmartin, M.R. Selective silencing of ventral hippocampal inputs to the prefrontal cortex during trace fear conditioning impairs contextual memory. Philadelphia, PA: Pavlovian Society, 2017.
7. Kirry, A.J., Herbst, M.R., Twining, R.C., Gilmartin, M.R. Direct communication between the medial prefrontal cortex and the basolateral amygdala in the formation of a trace fear memory. Philadelphia, PA: Pavlovian Society, 2017.
8. Twining, R.C., Herbst, M.R., Gilmartin, M.R. Circuit dissection of input required for the cortical encoding of a trace fear memory. San Diego, CA: Society for Neuroscience, 2016.
9. Kirry, A.J., Herbst, M.R., Poirier, S.E., Maskeri, M.M., Twining, R.C., Gilmartin, M.R. Sex-specific modulation of trace fear learning, but not working memory, by pituitary adenylyl-cyclase activating-polypeptide (PACAP) signaling in the prefrontal cortex. San Diego, CA: Society for Neuroscience, 2016.
10. Kirry, A.J., Herbst, M.R., Poirier, S.E., Maskeri, M.M., Twining, R.C., Gilmartin, M.R. Sex-specific modulation of trace fear learning, but not working memory, by pituitary adenylyl-cyclase activating-polypeptide (PACAP) signaling in the prefrontal cortex. Jersey City, NJ: Pavlovian Society Meeting, 2016.
11. Kirry, A.J., Herbst, M.R., Poirier, S.E., Twining, R.C., Gilmartin, M.R. Sex-specific modulation of emotional learning by pituitary adenylate cyclase activating-polypeptide signaling in the medial prefrontal cortex. Chicago, IL: Great Lakes Chapter of the American Society for Pharmacology and Experimental Therapeutics (GLC ASPET), 2016.
12. Kirry, A.J., Twining, R.C., Doncheck, E.M., Gilmartin, M.R. Opioid-dependent impairment in fear learning and extinction by prefrontal cortical stimulation. Chicago, IL: Society for Neuroscience, 2015.
13. Kirry, A.J., Doncheck, E.M., Gilmartin, M.R. Optogenetic stimulation of prelimbic principal cells impairs the formation of trace fear memory. Seattle, WA: Pavlovian Society Meeting, 2014.
14. Gilmartin, M.R., Ferrara, N.C., Callif, B.L., Schraufnagel, E.E., & Helmstetter, F.J. Divergent intracellular signaling in the amygdala supporting trace and delay fear conditioning: role of protein kinase-A and extracellular-signal regulated protein kinase pathways. San Diego, CA: Society for Neuroscience, 2013.

15. Gilmartin, M.R., Miyawaki, H., Diba, K., Helmstetter, F.J. Optogenetic silencing of prelimbic medial prefrontal cortex impairs the formation of fear memory to temporally separated stimuli. New Orleans, LA: Molecular & Cellular Cognition Society Meeting, 2012.
16. Gilmartin, M.R., Miyawaki, H., Diba, K., Helmstetter, F.J. Optogenetic silencing of prelimbic medial prefrontal cortex impairs the formation of fear memory to temporally separated stimuli. Jersey City, NJ: Pavlovian Society Meeting, 2012.
17. Gilmartin, M.R., Helmstetter, F.J. Prelimbic NR2B-containing NMDA receptors differentially mediate trace and contextual fear conditioning. New Orleans, LA: Society for Neuroscience, 2012.
18. Kwapis, J.L., Jarome, T.J., Gilmartin, M.R., Lee, J.L., & Helmstetter, F.J. Dissociable roles of the amygdala and retrosplenial cortex in delay and trace fear extinction. New Orleans, LA: Society for Neuroscience, 2012.
19. Gilmartin, M.R., Kwapis, J.L., Segrin, P.S., Callif, B.L., & Helmstetter, F.J. Differential expression patterns of learning-related protein in the trace fear network following targeted inactivation of prelimbic mPFC, amygdala, or ventral hippocampus. Washington D.C.: Society for Neuroscience, 2011.
20. Kwapis, J.L., Jarome, T.J., Gilmartin, M.R., & Helmstetter, F.J. The basolateral amygdala may be required for delay but not trace fear extinction. Washington D.C.: Society for Neuroscience, 2011.
21. Gilmartin, M.R., Kwapis, J.L., Segrin, P.S., Ruenzel, W.R., & Helmstetter, F.J. Network-level examination of MAPK signaling in trace and delay fear conditioning. Milwaukee, WI: Pavlovian Society Meeting, 2011.
22. Kwapis, J.L., Jarome, T.J., Gilmartin, M.R., & Helmstetter, F.J. Trace fear consolidation, but not extinction, may require the basolateral amygdala. Milwaukee, WI: Pavlovian Society Meeting, 2011.
23. Gilmartin, M.R., Kwapis, J.L., & Helmstetter, F.J. Bilateral activity in the basolateral amygdala is necessary for trace, delay, and contextual fear conditioning. Austin, TX: Conference on Learning & Memory, 2011.
24. Gilmartin, M.R., Helmstetter, F.J. Involvement of the ventral hippocampus to medial prefrontal cortex pathway in trace fear conditioning. San Diego, CA: Society for Neuroscience, 2010.
25. Kwapis, J.L., Schiff, J.C., Jarome, T.J., Lonergan, M.E., Gilmartin, M.R., & Helmstetter, F.J. The basolateral amygdala may use different neural mechanisms for delay and trace fear extinction. San Diego, CA: Society for Neuroscience, 2010.
26. Gilmartin, M.R., Helmstetter, F.J. Bilateral activation of the ventral hippocampus is necessary for trace and contextual fear conditioning. Baltimore, MD: Pavlovian Society Meeting, 2010.
27. Kwapis, J.L., Gilmartin, M.R., Jarome, T.J., Lonergan, M.E., & Helmstetter, F.J. The maintenance of hippocampal-dependent fear conditioning does not depend on protein kinase m/zeta (PKM $\zeta$ ) in the hippocampus. San Diego, CA: Society for Neuroscience, 2009.
28. Gilmartin, M.R., Helmstetter, F.J. Trace fear conditioning requires activity and NMDA receptor-dependent transmission in the medial prefrontal cortex. Chicago, IL: Society for Neuroscience, 2009.
29. Gilmartin, M.R., Helmstetter, F.J. Activation of the mammalian target of rapamycin (mTOR) signaling pathway in the medial prefrontal cortex following trace fear conditioning. Washington, DC: Society for Neuroscience, 2008. CD-ROM.
30. Gilmartin, M.R., Gafford, G.M., Helmstetter, F.J. Increased ERK phosphorylation in the medial prefrontal cortex following the recall of trace but not delay fear conditioning. Austin, TX: Pavlovian Society Meeting, 2007.

31. Gilmartin, M.R., McEchron, M.D. Slow-wave activity patterns in the hippocampus, amygdala, and medial prefrontal cortex during trace fear conditioning. Philadelphia, PA: Pavlovian Society Annual Meeting, 2006.
32. Gilmartin, M.R., Paronish, M.D., McEchron, M.D. Perinatal nutritional iron deficiency in rats prevents hippocampus-dependent trace eyeblink conditioning but not cerebellum-dependent delay eyeblink conditioning. Program No. 997.7. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. CD-ROM.
33. McEchron, M.D., Cheng, A.Y., Liu, H., Connor, J.R., Gilmartin, M.R. Dietary iron deficiency during development permanently impairs hippocampus-dependent trace fear conditioning in rat. Program No. 773.6. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2004. CD-ROM.
34. Gilmartin, M.R., McEchron, M.D. Single neurons in the medial prefrontal cortex tonically and phasically encode the trace interval during auditory-cued trace fear conditioning. Program No. 90.3. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2003. CD-ROM.
35. McEchron, M.D., Cheng, A.Y., Gilmartin, M.R. Aging impairs auditory-cued trace heart rate (fear) conditioning in the freely moving rat. Program No. 114.8. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2003. CD-ROM.
36. Gilmartin, M.R., McEchron, M.D. Dentate and CA1 single neurons in the rat hippocampus encode the duration of the trace interval in auditory-cued trace fear conditioning. Program No. 85.5. *2002 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2002. CD-ROM.

## PRESENTATIONS & INVITED TALKS

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|------|--|
| 2018 | Marquette Presents Seminar Series: Stress, Trauma, and Resilience, September 25, 2018<br>Marquette University, Milwaukee, WI<br><i>TBD</i>   |
| 2018 | Neuroanatomical Dissection: Human Brain & Spinal Cord. July 21, 2018<br>Marquette University, Milwaukee, WI<br><i>Prefrontal Cortical Control of Fear: Implications for Anxiety Disorders and PTSD</i> |
| 2017 | Clinical and Translational Science Research Seminar Series<br>Medical College of Wisconsin, Milwaukee, WI<br><i>Predicting threat: dissecting the neural circuits of temporal fear learning</i>        |
| 2017 | Midwest Psychological Association. April 21, 2017<br>Palmer House Hilton, Chicago, IL<br><i>Prefrontal-amygdala interaction in temporal fear learning and extinction.</i>                              |
| 2016 | Neuroanatomical Dissection: Human Brain & Spinal Cord. July 23, 2016<br>Marquette University, Milwaukee, WI<br><i>Prefrontal Cortical Pathways: Implications for Anxiety Disorders and PTSD</i>        |
| 2015 | Marquette Presents Seminar Series: Depression, October 21, 2015<br>University Club of Chicago, Chicago, IL   |

*Cortical dysfunction in anxiety and depression.*

- 2015 Marquette Presents Seminar Series: Geriatric Depression, September 21, 2015  
Marquette University, Milwaukee, WI  
*Cortical dysfunction in anxiety and depression.*
- 2015 Cellular and Molecular Pharmacology Seminar Series, March 25, 2015  
Rosalind Franklin University of Medicine and Science, North Chicago, IL  
*Learning to fear: prefrontal cortical networks in memory formation.*
- 2013 Integrated Neuroscience Research Center, November 5, 2013  
Marquette University, Milwaukee, WI  
*Learning to fear: prefrontal cortical networks in memory formation.*
- 2011 Pavlovian Society Meeting  
*Network-level examination of MAPK signaling in trace and delay fear conditioning.*
- 2010 SFN nanosymposium on Trace Conditioning (*organizer & presenter*)  
*Involvement of the ventral hippocampus to medial prefrontal cortex pathway in trace fear conditioning*
- 2008 Pavlovian Society Meeting  
*Activation of the mammalian target of rapamycin (mTOR) signaling pathway in the medial prefrontal cortex following trace fear conditioning.*

**HONORS AND AWARDS**

- 2013 Nominated Undergraduate Research Mentor of the Year, UW-Milwaukee
- 2007 Department of Neural and Behavioral Sciences Award, Penn State University
- 2007 The Pennsylvania State University Alumni Association Dissertation Award
- 2006 Wisconsin Symposium on Emotion Travel Award, UW-Madison
- 2006 D. G. Marquis Behavioral Neuroscience Award (best paper published in the journal *Behavioral Neuroscience* in 2005), American Psychological Association
- 2002 Wisconsin Symposium on Emotion Travel Award UW-Madison
- 2000-2002 Life Science Consortium Graduate Fellowship, Penn State University
- 1999 Gerard Biomedical Research Fellowship, University of Michigan
- 1996 Sokol Scholar in Chemistry, University of Michigan

**PROFESSIONAL SERVICE**

- 2015-2017 Councilor, Great Lakes Chapter of ASPET (elected)
- 2014-2016 Executive Committee Member, Pavlovian Society (elected)
- 2011-2017 Executive Committee Member, Women in Learning (appointed)
- 2014-Present Editorial Board Member *Neurobiology of Learning & Memory*

Ad hoc manuscript reviewer for the journals *Journal of Neuroscience*, *Learning & Memory*, *Journal of Neurophysiology*, *Behavioural Brain Research*, *Neuropsychopharmacology*, *Neuropharmacology*, *Neuroscience Letters*, *Neuroscience*, *PLoS ONE*, *Psychology & Neuroscience*, *Brain*, *Structure*, & *Function*, *JOVE*.

*Grant review panels*

2016 National Science Foundation review panel

2016 Clinical and Translational Science Institute of Southeastern Wisconsin review panel

*Ad hoc grant reviewer*

Clinical and Translational Science Institute of Southeastern Wisconsin  
Danish Council for Independent Research.

## PROFESSIONAL MEMBERSHIPS

2017-Present Midwest Psychological Association (MPA)

2014-2015 American Psychological Association (APA)

2014-Present Faculty for Undergraduate Neuroscience (FUN)

2011-Present Women in Learning (WIL)

2008-Present Molecular and Cellular Cognition Society

2004-Present Pavlovian Society

2002-2003 Student Councilor for the Central Pennsylvania Chapter of the Society for Neuroscience

2001-Present Society for Neuroscience

## OUTREACH

2017-2018 Zombie Outbreak Event, developer, coordinator, and instructor. This two-day event was designed for the SSEP II/HCOP program of 2017 in which 13 high school seniors participated in a directed series of activities on the topics of Brain & Behavior, Pathogen Analysis, and Public Health to develop a response plan to a mock disease outbreak turning WI residents into zombies. The outcomes focused on comprehension of fundamental principles of neuroscience, infectious disease, and public health, as well as providing awareness for biomedical career paths.

Yearly Interactive Presentation on Neuroscience during the Spring Gross Anatomy Experience for High School Students. Over the course of a couple weeks each spring, this activity brings ~3000 high school students from the southwestern Wisconsin, northern Illinois region to campus for an intensive day of gross anatomy lab experience, health career presentations and neuroscience presentations. Participating years: 2015-2016, 2018

2016 Presentation on a career in neuroscience research to Upward Bound Program high school students as part of a STEM-career exploration summer program.

## TEACHING

*Marquette University*

Undergraduate Level

*Course director & instructor*

BISC 3850, Systems Neuroscience, Course director & Instructor  
 Years taught: Fall 2014 – present, yearly (designated BISC 4930 year 1)  
 BISC 4851/H4851, Advanced Systems Neuroscience, Co-director, Co-instructor  
 Years taught: Spring 2017 – present, biennial  
*Guest lecturer:*  
 BISC 1001, Neuroscience Research Survey, 1 lecture  
 Years taught: Fall 2014

### Graduate Level

*Course director & instructor*  
 BIOL 8502, Systems Neuroscience, Co-course director & Co-instructor  
 Years taught: Fall 2015 – 2017, biennial  
 BIOL 8955, Conditioning & Learning Seminar, Co-course director & Co-instructor  
 Years taught: Spring 2015 – present, biennial  
 BIOL 8955, Neurobiology of Depressive Illness, Participating Faculty, 2017  
  
*Course instructor*  
 NRSC 8002, Neuroscience Foundations II  
 Years taught: Spring 2019 – present, yearly

*Guest lecturer:*  
 BISC 8504, Neuroscience Research Survey  
 Years taught: Fall 2013 – present, yearly  
 BIOL 8502, Systems Neuroscience  
 Year taught: Fall 2013

### *Other institutions*

2016 Guest lecturer, Physiological Psychology (PSY 410; Section 001) at Mount Mary Univ.  
 2008 Guest lecturer, Introduction to Physiological Psychology (PSY 254; Section I: Neuronal Communication) at UW-Milwaukee  
 2003 Teaching assistant and tutor, Human Neuroanatomy (NBS 511) at the Penn State College of Medicine

## **STUDENT MENTORING**

### *Graduate Students*

2014-Present Adam Kirry, doctoral advisor  
 2016-Present Matthew Herbst, doctoral advisor  
  
 2018-Present Chris Chen (Choi), thesis committee member  
 2018-Present Aaron Caccamise (Hearing), thesis committee member  
 2018-Present Anna Miller (Mantsch), thesis committee member  
 2017-Present Deborah May (Evans), thesis committee member  
 2016-Present Mitch Spring (Wheeler), thesis committee member  
 2016-Present Kayla Rohr (Evans), thesis committee member  
 2015-Present Evan Hess (Baker), thesis committee member

2014-Present Elizabeth Doncheck (Mantsch), thesis committee member

*External to Marquette:*

2016-2017 Daniel Kochli (Quinn), thesis committee member, University of Miami at Ohio

2017-2018 Nicole Clark (Helmstetter), thesis committee member, University of Wisconsin-Milwaukee

*Other*

2017, External thesis examiner for Ms. Carolyn Arico (McNally), University of New South Wales

*Undergraduate Students*

2018-Present Matthew LaViola

2018 Vivian Anochili, McNair Scholar Summer Research Program (2018)

2018 Bria Theodore (UW-LaCrosse), BISC Summer Research Program (2018)

2018-Present Valeria Martinez-Cabrera, BISC Summer Research Program (2018)

2017-Present Tanushi Surana, BISC Summer Research Program (2018)

2017-Present Nina Baig

2017-Present Roma Patel

2017-Present Tim Nass

2017-Present Vivian Anochili

2016-Present Katie Lepak

2016-2017 Jessi Stellberg

2015-2016 Brendan Natwora

2015-Present Deven Durigan, BISC Summer Research Program (2016), Honors program (2016-2017)

2015-2016 Michelle Maskeri, Honors Summer Research Program (2015)

2015-Present Amy Rothwell

2014-2016 Haley Gainer, BISC Summer Research Program (2016)

2014-2016 Sarah Poirier, BISC Summer Research Program (2015)

2014-2015 Chrysanthemum Gorospe, Honors Summer Research Program (2014)

2014-2016 Thomas Volberding, BISC Summer Research Program (2014, 2015)

*At UW-Milwaukee:*

2012-2013 Erin Schraufnagel (SURF Award recipient, Fall 2012)

2011-2013 Ben Callif (SURF Award recipient, Spring, Fall 2012)

2010-2012 Peter Segrin

2007-2008 Carly Leahey