

# Robert W. Flint, Jr., Ph.D.

## Professor of Psychology

The College of Saint Rose  
Department of Psychology  
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### Education

**Ph.D., Experimental Psychology, Behavioral Neuroscience** - Kent State University, August 1997

*Dissertation: A Behavioral Analysis of Memory Reactivation in Pre-Weanling Rats: Possible Role of Endogenous Memory Modulators in Infantile Amnesia*

**M.A., Experimental Psychology, Specialty in Biopsychology** - Kent State University, December 1994

*Masters Thesis: Glucose Administration Attenuates Hypothermia-Induced Retrograde Amnesia in Rats in a Time- and Dose-Dependent Manner*

**B.S., Psychology, Minor in English** - Allegheny College, May 1992

*Senior Thesis (Conducted at NIMH, Bethesda, MD): Effects of Separate Amygdala and Anterior Rhinal Cortex Lesions on Memory in Rhesus Monkeys*

### Administrative Experience

**Chair, Department of Psychology, The College of Saint Rose, (2013-Present)**

**Chair, Institutional Review Board, The College of Saint Rose**

### Teaching Experience

**The College of Saint Rose, Albany, NY**

Professor of Psychology, Tenured (2009-Present)

Associate Professor of Psychology, Tenured (2004-2009)

Assistant Professor of Psychology, Tenure Track (1999-2004)

**Minnesota State University at Mankato, Mankato, MN**

Assistant Professor of Psychology, Member of the Graduate Faculty, Tenure Track (1997-1999)

**Cleveland State University, Cleveland, OH**

Adjunct Faculty (1997)

**Southern Ohio College, Akron, OH**

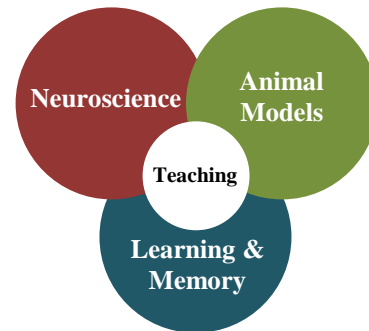
Adjunct Faculty (1996-1997)

**Kent State University, Kent, OH**  
Graduate Student Instructor (1993-1997)

## Courses Taught

G = Graduate Traditional Format  
L = Course with Laboratory Component  
O = Undergraduate Online Format  
T = Team Taught Course  
U = Undergraduate Traditional Format  
W = Writing Intensive Course

- Alcohol & Behavior (U)
  - Alcoholism Workshop (U)
  - Alzheimer's Disease (U,G)
  - Behavioral/Cognitive Neuroscience (U,L)
  - Brain & Behavior Seminar (U)
  - Directed Research (U)
  - Drugs & Behavior (U)
  - Career Preparation (U)
  - Forgetting & Amnesia (U,O)
  - Foundations of Psychology I (U,O)
  - From Neuron to Behavior (Introduction to Neuroscience) (U,G)
  - Introduction to Psychology (U)
  - Introduction to Psychology – Honors (U)
  - Introduction to Psychopharmacology (U,O)
  - Junior Scholar's Research Seminar (U,T)
  - Learning (U,L)
  - Motivation (U,O)
  - Neuropsychology (U,G,L,O)
  - Physiological Psychology (U,G,L)
  - Senior Seminar: Research in Psychology (U,W)
  - Sensation and Perception (U,L)
  - Social Neuroscience (U,T)
  - Statistics – Quantitative Methods (U)
  - Writing in Psychological Science (U)
- Independent Studies Supervised:
- Clinical Psychology Seminar
  - Neurobiology of Extinction
  - Introduction to Forensic Psychology
  - Introduction to Parapsychology
  - Developmental Psychobiology
  - PTSD and Reconsolidation Theory



## Research Interests

- Primary Research Interests: Behavioral, Neuroanatomical, and Biochemical Substrates of Learning, Memory, and Amnesia:
  - Non-Human Animal (Rat) Research:
    - Memory Consolidation and Reconsolidation Processes
    - Role of Protein Synthesis in Memory
    - Glucose-Induced Memory Modulation
    - Ontogeny of Memory
  - Human Research:
    - Memory Reconsolidation
    - Stress- and Emotional Arousal-Induced Modulation of Learning and Memory
    - Glucose-Induced Modulation of Learning, Memory, and Attention
- Pedagogical Research Interests:
  - Development of Novel Hands-On Laboratory Projects and Empirical Research Activities for Undergraduate Students
  - Integration of Neuroscience with Traditionally Non-Scientific Disciplines

## Publications

Peer Reviewed Publications (Reverse Chronological Order; Student Co-Authors are in **Bold**)

1. **Sandusky, L. A.**, Flint, R. W., Jr., & McNay, E. C. (2013). Elevated glucose metabolism in the amygdala during an inhibitory avoidance task. *Behavioural Brain Research*, 245, 83-87.
2. Flint, R. W., Jr., **Noble, L., & Ulmen, A.** (2013). NMDA receptor antagonism with MK-801 impairs consolidation and reconsolidation of passive avoidance conditioning in adolescent rats: Evidence for a state-dependent reconsolidation effect. *Neurobiology of Learning and Memory*, 101, 114-119.
3. **Sandusky, L. A.**, Flint, R. W., Jr., & McNay, E. C. (2012). Effects of the protein synthesis inhibitor cycloheximide on anxiety-like extinction behavior in an animal model of post-traumatic stress. *Behavioural Brain Research*, 231, 208-212.
4. Flint, R. W., Jr., **Foti, J., Noble, L., & Ulmen, A.** (2011). Effects of the  $\beta$ -Adrenergic Antagonist Propranolol or the Protein Synthesis Inhibitor Cycloheximide on Reconsolidation of Auditory Fear Conditioning or Spatial Memory, Respectively, in Adolescent Rats. *Journal of Articles in Support of the Null Hypothesis*, 7(2), 43-56.
5. Flint, R. W., Jr., Zak, A., **Kochan, M., & Papandrea, D., Jr.** (2011). Oral consumption of d-glucose increases blood glucose levels but does not alter the false memory effect using the Deese-Roediger-McDermott task in a non-diabetic sample. *Journal of Articles in Support of the Null Hypothesis*, 7(2), 29-42.
6. Flint, R. W., Jr. (2011). Glucose does not enhance acquisition of an implicit memory mirror-tracing task or an explicit word recall task in a non-diabetic sample. *Journal of Articles in Support of the Null Hypothesis*, 7(2), 17-28.
7. **Chown, A. E., Noble, L. J., & Flint, R. W., Jr.** (2010). Traumatic brain injury and memory loss: A review of non-human animal models. *Journal of Behavioral and Neuroscience Research*, 8(1), 30-48.
8. Flint, R. W., Jr., & Dorr, N. (2010). Social neuroscience at The College of Saint Rose: The art of team teaching in emerging areas of psychological science. *Journal of Undergraduate Neuroscience Education*, 8(2), A122-A127.
9. Flint, R. W., Jr., **Hickey, S. A., & Dobrowolski, M.** (2008). Intact environmental habituation and epinephrine-induced enhancement of a novel object recognition memory task in preweanling Sprague-Dawley rats. *Brain Research Journal*, 1(4), 253-268.
10. Flint, R. W., Jr., **Joppich, H., Marino, C. L., Sandusky, L. A., Valentine, S., & Hill, J. E.** (2008). Ascertaining the long-term effects of acute systemic neonatal protein synthesis inhibition on cognition and behavior in Sprague-Dawley rats (*Rattus norvegicus*). *Proteomics Research Journal*, 1(1), 17-41.
11. Flint, R. W., Jr., **Valentine, S., & Papandrea, D., Jr.** (2007). Reconsolidation of a long-term spatial memory is impaired by cycloheximide when reactivated with a contextual latent learning trial in male and female rats. *Neuroscience*, 148, 833-844.
12. Flint, R. W., Jr., **Hill, J. E., Sandusky, L. A., & Marino, C. L.** (2007). Use of the pyridoxamine-induced thiamine deficient animal model of Korsakoff's syndrome for exploratory research in Undergraduate Physiological Psychology. *The Journal of Undergraduate Neuroscience Education*, 5(2), A35-A41.
13. Flint, R. W. Jr. & **Marino, C. L.** (2007). Cycloheximide impairs reconsolidation of a contextually reactivated memory in a conditioned taste aversion paradigm. *Behavioral Neuroscience*, 121(2), 433-438.
14. Flint, R. W., Jr., Bunsey, M. D., & Riccio, D. C. (2007). Epinephrine-induced enhancement of memory retrieval for inhibitory avoidance conditioning in preweanling Sprague-Dawley rats. *Developmental Psychobiology*, 49, 303-311.
15. Flint, R. W., Jr., **Papandrea, D., Jr.**, & Dorr, N. (2006). Effects of aging and D-glucose on locomotor activity, spontaneous alternation, and plasma blood glucose levels in preweanling Sprague Dawley rats. *Developmental Neuroscience*, 28(3), 209-215.
16. Flint, R. W., Jr. (2004). Emotional arousal, blood glucose levels, and memory modulation: Three laboratory exercises in Cognitive Neuroscience. *Journal of Undergraduate Neuroscience Education*, 3(1), A16-A23.

17. Flint, R. W., Jr. & **Turek, C.** (2003). Glucose effects on a continuous performance test of attention in adults. *Behavioural Brain Research*, 142, 217-228.
18. Flint, R. W., Jr., Haller, N. A., **Urban, K. A.**, & Newberry, B. H. (2003). Lipopolysaccharide-induced immunostimulation produces a dose- and time-dependent decrease in general activity and food consumption in pre-weanling rats. *The Psychological Record*, 53, 253-267
19. Metzger, M. M. & Flint, R. W., Jr. (2003). Glucose enhancement of face recognition is unaffected by alterations of face features. *Neurobiology of Learning and Memory*, 80, 172-175.
20. Harrod, S. B., Flint, R. W., Jr., & Riccio, D. C. (2001). MK-801 induced retrieval, but not acquisition, deficits for passive avoidance conditioning. *Pharmacology, Biochemistry, & Behavior*, 69, 585-593.
21. **Mohanty, A.** & Flint, R. W., Jr. (2001). Differential effects of glucose on modulation of emotional and non-emotional spatial memory tasks. *Cognitive, Affective, & Behavioral Neuroscience*, 1, 90-95.
22. Flint, R. W., Jr., Bunsey, M. D., & Riccio, D. C. (1999). UCS-intensity dependent attenuation of infantile amnesia. *Psychobiology*, 27, 530-540.
23. Flint, R. W., Jr. & Riccio, D. C. (1999). Post-training glucose administration attenuates forgetting of passive-avoidance conditioning in 18-day-old rats. *Neurobiology of Learning and Memory*, 72, 62-67.
24. Morgan, R. E., Flint, R. W., Jr., & Riccio, D. C. (1998). Time-dependent changes in inaccessible memory. *Psychonomic Bulletin & Review*, 5, 523-527.
25. Flint, R. W., Jr., Metzger, M. M., Benson, D. M., Jr., & Riccio, D. C. (1997). Stress-induced memory enhancement for inhibitory fear conditioning in rats. *Psychobiology*, 25, 89-94.
26. Flint, R. W., Jr. & Riccio, D. C. (1997). Pre-test administration of glucose attenuates infantile amnesia for passive avoidance in rats. *Developmental Psychobiology*, 31, 207-216.
27. Metzger, M. M., Flint, R. W., Jr., & Riccio, D. C. (1997). Ketaset-rompun anesthesia induces a conditioned taste aversion. *The Psychological Record*, 47, 473-482.
28. Flint, R. W., Jr. & Riccio, D. C. (1996). Glucose administration attenuates hypothermia-induced retrograde amnesia in rats in a time- and dose-dependent manner. *Psychobiology*, 24, 62-66.
29. Murray, E. A., Gaffan, E. A., & Flint, R. W., Jr. (1996). Anterior rhinal cortex and amygdala: Dissociation of their contributions to memory and food preference in rhesus monkeys. *Behavioral Neuroscience*, 110, 30-42.

Non-Peer Reviewed Publications (Reverse Chronological Order; Students Co-Authors are in **Bold**)

1. Flint, R. W., Jr. (2012). *Physiological Psychology Study Guide and Laboratory Manual*.
2. Flint, R. W., Jr. (2012). Biopsychology. In D. Maher & P. Alexander (4th Ed., Eds.), *Psychology: Exploring our universe within*. Pearson Custom Publishing.
3. Shobe, E. & Flint, R. W., Jr. (2012). Sensation & Perception. In Maher, D. & Alexander, P. (4th Ed., Eds.). *Psychology: Exploring our universe within*. Pearson Custom Publishing.
4. Flint, R. W., Jr. & Anderson, M. J. (2011). Editorial: Special issue – Pedagogical activities for courses on learning and memory. *Journal of Behavioral and Neuroscience Research*, 9(2), i-vi.
5. Flint, R. W. Jr. (2010). Editorial: In honor and recognition of Dr. Mark Ylvisaker's contributions to the student, the scholar, the college and the community. *Journal of Behavioral and Neuroscience Research*, 8(1), 1.
6. Flint, R. W., Jr. (2010). Biopsychology. In D. Maher & P. Alexander (3rd Ed., Eds.), *Psychology: Exploring our universe within* (pp. 63-90). Pearson Custom Publishing.
7. Shobe, E. & Flint, R. W., Jr. (2010). Sensation & Perception. In Maher, D. & Alexander, P. (3rd Ed., Eds.). *Psychology: Exploring our universe within* (pp. 91-126). Pearson Custom Publishing.
8. Flint, R. W., Jr., **Bengsz, K. H.**, & **Zamecnick, A. E.** (2010). Memory Reconsolidation: History, research, and implications for treatment of psychiatric disorders. In L. C. Eklund & A. S. Nyman (Eds.), *Learning and memory developments and intellectual disabilities* (pp. 129-156). New York, NY: Nova Science Publishers, Inc.
9. Flint, R. W., Jr. (2009). Custom PowerPoint slides for Carlson's *Physiology of Behavior* text. Pearson Publishing, Inc.
10. Flint, R. W., Jr., **Marino, C. L.**, **Hickey, S. A.**, **Sandusky, L.**, & **Hill, J. E.** (2009). Cycloheximide exposure systemically at gestational day 15 or centrally into the ventral hippocampus at postnatal day 7 disrupts anxiety-related behavior in the open field. In B. C. Glenyn & R. P. Zini (Eds.), *New Directions in Developmental Psychobiology* (pp. 179-198). New York, NY: Nova Science Publishers, Inc.

11. Flint, R. W., Jr. (2008). Biopsychology. In Maher, D. & Alexander, P. (Eds.), *Psychology: Exploring Our Universe Within* (63-92) (2<sup>nd</sup> Ed.). Pearson Custom Publishing.
12. Shobe, E. & Flint, R. W., Jr. (2008). Sensation & Perception. In Maher, D. & Alexander, P. (Eds.). *Psychology: Exploring Our Universe Within*, (93-132) (2<sup>nd</sup> Ed). Pearson Custom Publishing.
13. Flint, R. W., Jr., **Hickey, S. A., & Dobrowolski, M.** (2008). Intact environmental habituation and epinephrine-induced enhancement of a novel object recognition memory task in preweanling Sprague-Dawley rats. In F. Columbus (Ed.). *Research progress on epinephrine*. New York, NY: Nova Science Publishers, Inc.
14. Flint, R. W., Jr. (2008/2006). Biopsychology. From Vukov, B. (Ed.), *Psychology: Exploring Our Universe Within* (pp. 67-100). Reprinted with permission by Pearson Custom Publishing for Ashford University's *Psychology in Modules* text.
15. Flint, R. W., Jr., **Joppich, H., Marino, C. L., Sandusky, L. A., Valentine, S., & Hill, J. E.** (2008). Ascertaining the long-term effects of acute systemic neonatal protein synthesis inhibition on cognition and behavior in Sprague-Dawley rats (*Rattus norvegicus*). In G. A. Conti (Ed.). *Progress in Biological Psychology Research* (pp. 117-137). New York, NY: Nova Science Publishers, Inc.
16. Flint, R. W., Jr. (2006). Biopsychology. In Vukov, B. (Ed.), *Psychology: Exploring Our Universe Within* (pp. 67-100). Pearson Custom Publishing.
17. Shobe, E. & Flint, R. W., Jr. (2006). Sensation & Perception. In Vukov, B. (Ed.). *Psychology: Exploring Our Universe Within* (pp. 101-136). Pearson Custom Publishing.
18. Flint, R. W., Jr. (2004). *Behavioral Neuroscience Laboratory Manual & Study Guide* (2<sup>nd</sup> Ed.). Ann Arbor, MI: XanEdu.
19. Flint, R. W., Jr. (2003). *Behavioral Neuroscience Laboratory Manual & Study Guide*. Ann Arbor, MI: XanEdu.
20. Flint, R. W., Jr. (Ed.). (2002). *Forget it? Sources, theories, and mechanisms of alterations in mnemonic function*. North Chelmsford, MA: Courier Custom Publishing, Inc, Erudition Books.
21. Flint, R. W., Jr. (2002). Glucose-induced memory modulation. In R.W. Flint, Jr. (Ed.), *Forget it? Sources, theories, and mechanisms of alterations in mnemonic function* (pp. 197-216). North Chelmsford, MA: Courier Custom Publishing, Inc., Erudition Books.
22. Flint, R. W., Jr. & Zak, A. (2002). Memory: A basic overview of systems and neuroanatomy. In R.W. Flint, Jr. (Ed.), *Forget it? Sources, theories, and mechanisms of alterations in mnemonic function* (pp. 1-22). North Chelmsford, MA: Courier Custom Publishing, Inc., Erudition Books.
23. Flint, R. W., Jr. (2001). *Study Guide for Learning and Behavior*.
24. Flint, R. W., Jr. (1996). *Experimenting with Statistics: A Study Guide & Workbook for Quantitative Methods*.

### Invited Colloquia/Symposia

1. Flint, R. W., Jr. (2011, May). *Memory reconsolidation and retrieval*. Presented at the D.C. Riccio Festschrift, Kent, OH.
2. Dorr, N., & Flint, R. W., Jr. (2010, February). *Bridging social psychology and neuroscience through team teaching*. Presented at the ProVisions Institute for Teaching at The College of Saint Rose.
3. Flint, R. W., Jr. (2009, February). *EYSKUBE addiction*. Presented at the ProVisions Institute for Teaching at The College of Saint Rose.
4. Flint, R. W., Jr. (2008, October). Chairperson for the Glucose Session at the *Conversations in the Capital District on Hormones*, SUNY-Albany.
5. Flint, R. W., Jr. (2008, October). *A memory enhancing dose of D-glucose prevents cycloheximide-induced reconsolidation impairment of an environmental exploration task*. Presented at the *Conversations in the Capital District on Hormones*, SUNY-Albany.
6. Flint, R. W., Jr. (2007, April). Chairperson and Organizer for the *Symposium of Neuroscientific Studies in Learning and Memory* at the 10<sup>th</sup> annual Northeastern Under/graduate Research Organization for Neuroscience (NEURON) meeting, New York, NY: Hunter College.
7. Flint, R. W., Jr. (2007, March). *Memory reconsolidation and protein synthesis inhibition*. Colloquium presented at Skidmore College, Saratoga Springs, NY.

8. Flint, R. W., Jr. (2006, April). *Arousal-induced memory modulation: A role for glucose*. Colloquium presented at Hartwick College, Oneonta, NY.
9. Flint, R. W., Jr. (2005, October). *Memory modulating properties of glucose: Evidence from research with human and nonhuman animals*. NY State Department of Health, Bureau of Chronic Disease Services, Diabetes Prevention and Control Program.
10. Flint, R. W., Jr. (2003, October). *Glucose-induced modulation of cognitive processes*. Colloquium presented at Viterbo University, WI.
11. Flint, R. W., Jr. (2003, June). *Glucose-induced modulation of cognitive processes*. National Science Foundation REU Colloquium presented at the State University of New York at Albany
12. Flint, R. W., Jr. (2003, March). *Sweet memories: Role of glucose in memory modulation of neutral and arousing stimuli*. Colloquium presented at The College of Saint Rose Natural Science Colloquium Series, Albany, NY.
13. Flint, R. W., Jr. (2001, February). *Gender differences in the brain*. Colloquium presented at the North Country Community College, Saranac, NY.
14. Flint, R. W., Jr. (2000, October). *Glucose-induced modulation of memory in human and non-human animals*. Colloquium presented at the State University of New York at Albany.
15. Flint, R. W., Jr. (1999, April). *Undergraduate student research: Benefiting the student, department, and university*. Opening address at the first annual Minnesota State University, Mankato Undergraduate Research Conference, Mankato, MN.
16. Flint, R. W., Jr., Shrewsberry, C., & Gohagen, D. (1999, February). *Getting started with technology in the classroom*. College Conversation sponsored by the College of Social and Behavioral Sciences, Minnesota State University, Mankato, MN.
17. Flint, R. W., Jr. (1998, November). *How sweet it is: The role of glucose in modulation of emotional/stressful memories in humans and rodents*. Colloquium at Gustavus Adolphus College, St. Peter, MN.
18. Flint, R. W., Jr. (1998, October). *Glucose and memory modulation: Evidence of multiple memory systems? Science and Practice: Bridging the Gap*. Symposium conducted at the annual meeting of the Minnesota Psychological Association, Minneapolis.
19. Flint, R. W., Jr. (1998, October). *The role of glucose in modulating memory: Evidence from humans and animals*. Colloquium at Western Illinois University, Macomb, IL.
20. Flint, R. W., Jr. (1997, November). *Memory retrieval: What's in a context?* Keynote address at the biannual Midwest Association for Behavior Analysis and Therapy, Fargo, ND.
21. Flint, R. W., Jr. (1997, May). *Improving your study skills: Methods of facilitating acquisition and long term retention*. Colloquium at Southern Ohio College, Akron, OH.

### Conference Presentations (International, National & Regional)

(Reverse Chronological Order; Student Co-Authors are in **Bold**)

1. **Marcowski, P., French, R., Karow, M., Mosher, M., & Flint, R. W., Jr.** (2015). *Effects of glucose on cognitively demanding memory tasks*. Poster presented at the Max Planck Institute, Germany.
2. **French, R. M., & Flint, R. W., Jr.** (2015). *Effect of the tryptophan antagonist para-chlorophenylalanine on anxiety, passive avoidance conditioning, and extinction in adolescent rats*. Poster presented at the 86th annual Eastern Psychological association meeting, New York, NY.
3. **Karow, M., & Flint, R. W., Jr.** (2015). *Effects of sleep deprivation in rats with dorsal hippocampus lesions on performance in the Morris water maze*. Poster presented at the 86th annual Eastern Psychological association meeting, New York, NY.
4. **Mosher, M., French, R. M., Russo, L., Karrow, M., & Flint, R. W., Jr.** (2015). *Effects of the NMDA antagonist Ketamine on the latent inhibition effect in an animal model of schizophrenia*. Poster presented at the 86th annual Eastern Psychological association meeting, New York, NY.
5. **French, R. M., & Flint, R. W., Jr.** (2014). *Effect of mGluR7 Antagonist MMPiP on Spatial Memory Retrieval in Rats*. Poster presented at the 85th annual Eastern Psychological Association meeting, Boston, MA.

6. **Karow, M.**, & Flint, R. W., Jr. (2014). *Effects of MK-801 on Conditioned Taste Aversion, the Latent Inhibition Effect, and Memory Reconsolidation in Rats*. Poster presented at the 85th annual Eastern Psychological Association meeting, Boston, MA.
7. Flint, R. W., Jr., & **Mosher, M.** (2014). *Effect of the protein synthesis inhibitor cycloheximide on extinction of a spatial memory in the sand maze*.
8. **Russo, L., Karow, M. L., Noble, L. J., Mosher, M., French, R. M., & Flint, R. W., Jr.** (2014). *Effects of Early Postnatal Acute Alcohol Exposure on Behavioral and Cognitive Performance in Adolescent/Young Adult Rats*. Poster presented at the 85th annual Eastern Psychological Association meeting, Boston, MA.
9. Flint, R. W., Jr., **Staulo, T., Foti, J., & Noble, L.** (2013, March). *Effects of systemic administration of D-glucose on consolidation and reconsolidation of habituation of the acoustic startle response in adult male Sprague-Dawley rats*. Poster presented at the 84th annual Eastern Psychological Association meeting, NY.
10. **Judd, M.**, & Flint, R. W., Jr. (2013, March). *Prenatal exposure to classical music decreases helplessness in adolescent rats using the forced swim test of depression*. Poster presented at the 84th annual Eastern Psychological Association meeting, NY.
11. **Karow, M., Noble, L. J., & Flint, R. W., Jr.** (2013, March). *Nicotinic and muscarinic receptor antagonism effects on consolidation of inhibitory avoidance conditioning in adolescent rats*. Poster presented at the 84th annual Eastern Psychological Association meeting, NY.
12. **Noble, L. J., & Flint, R. W., Jr.** (2013, March). *Effects of MK-801 on consolidation/reconsolidation of an olfactory discrimination memory in rats*. Poster presented at the 84th annual Eastern Psychological Association meeting, NY.
13. Flint, R. W., Jr., **Sandusky, L. A., Byrne, A., & McNay, E. C.** (2012, March). *Metabolic alterations in the amygdala during consolidation and reconsolidation of an inhibitory avoidance task*. Poster presented at the 83rd annual Eastern Psychological Association meeting, Pittsburgh, PA.
14. **Noble, L. & Flint, R. W., Jr.** (2012, March). *Effects of ecstasy and PCP on acquisition, consolidation, and retrieval of habituation of the acoustic startle response in Long-Evans rats*. Poster presented at the 83rd annual Eastern Psychological Association meeting, Pittsburgh, PA.
15. **Sandusky, L. A., Flint, R. W., Jr., Byrne, A., & McNay, E. C.** (2011, May). *Metabolic alterations in the amygdala during consolidation and reconsolidation of an inhibitory avoidance task*. Poster presented at the XXVth International Symposium on Cerebral Blood Flow, Metabolism and Function and the Xth International Conference on Quantification of Brain Function with PET, Barcelona, Spain.
16. **Foti, J., Ulmen, A., Noble, L., & Flint, R. W., Jr.** (2011, March). *Systemic administration of propranolol fails to disrupt reconsolidation of auditory fear conditioning in adolescent rats*. Poster presented at the 82<sup>nd</sup> annual Eastern Psychological Association meeting, Cambridge, MA.
17. **Ulmen, A., Noble, L., & Flint, R. W., Jr.** (2011, March). *NMDA antagonism with MK-801 disrupts immediate post-training and post-reactivation processing: Evidence for state-dependent memory reconsolidation*. Poster presented at the National Conference on Undergraduate Research, Ithaca, NY.
18. **Ulmen, A., Noble, L., & Flint, R. W., Jr.** (2011, March). *MK-801-induced reconsolidation impairment for inhibitory avoidance conditioning in adolescent rats is state-dependent*. Poster presented at the 82<sup>nd</sup> annual Eastern Psychological Association meeting, Cambridge, MA.
19. Flint, R. W., Jr., **Ulmen, A., & Foti, J.** (2011, March). *Systemic administration of the protein synthesis inhibitor cycloheximide does not disrupt spatial memory reconsolidation in adolescent rats*. Poster presented at the 82<sup>nd</sup> annual Eastern Psychological Association meeting, Cambridge, MA.
20. Dorr, N., & Flint, R. W., Jr. (2010, May). *Bridging social psychology and neuroscience through team teaching*. Poster presented at the 22<sup>nd</sup> annual American Psychological Society meeting, Boston, MA.
21. **Noble, L., & Flint, R. W., Jr.** (2010, March). *Effects of NMDA antagonism on consolidation and reconsolidation of a 1-trial inhibitory avoidance task in juvenile Sprague-Dawley rats*. Poster presented at the 81<sup>st</sup> annual Eastern Psychological Association meeting, Manhattan, NY.

22. Flint, R. W., Jr., & **Farnan, C.** (2010, March). *The protein synthesis inhibitor cycloheximide impairs consolidation but not reconsolidation of memory for inhibitory avoidance conditioning*. Poster presented at the 81<sup>st</sup> annual Eastern Psychological Association meeting, Manhattan, NY.
23. **Edwards, S.**, & Flint, R. W., Jr. (2009, March). *Ontogeny of environmental habituation: Effects of age and duration of training*. Poster presented at the 80<sup>th</sup> annual Eastern Psychological Association meeting, Pittsburgh, PA.
24. **Farnan, C.**, & Flint, R. W., Jr. (2009, March). *Effects of pre- and post-natal administration of docosahexaenoic acid (omega-3 fatty acids) on infant spatial learning and memory and adult responses to the forced swim test of depression*. Poster presented at the 80<sup>th</sup> Eastern Psychological Association meeting, Pittsburgh, PA.
25. Flint, R. W., Jr., **Labriola, L. M.**, & **Marino, C. L.** (2009, March). *Effects of the protein synthesis inhibitor cycloheximide administered at PN7, PN11, or PN15 on locomotor activity, anxiety, spatial memory, and brain weight in adulthood*. Poster presented at the 80<sup>th</sup> Eastern Psychological Association meeting, Pittsburgh, PA.
26. **Labriola, L. M.** & Flint, R. W., Jr. (2009, March). *Acute post-training stress impairs object recognition memory in infant rats*. Poster presented at the 80<sup>th</sup> annual Eastern Psychological Association meeting, Pittsburgh, PA.
27. **St. John, M.** & **Diaco, J.**, **Labriola, L. M.**, Flint, R. W., Jr. (2009, March). *Cycloheximide-, scopolamine-, and glucose-induced amnesia for environmental habituation in preweanling Sprague-Dawley rats*. Poster presented at the 80<sup>th</sup> annual Eastern Psychological Association meeting, Pittsburgh, PA.
28. **Zamecnik, A. E.**, **Bengsz, K. H.**, & Flint, R. W., Jr. (2009, March). *Human memory reconsolidation: Effects of delayed or distributed trials on susceptibility to disruption of a reactivated motor memory*. Poster presented at the 80<sup>th</sup> annual Eastern Psychological Association meeting, Pittsburgh, PA.
29. Flint, R. W., Jr. (2008, November). *A memory enhancing dose of d-glucose prevents cycloheximide-induced reconsolidation impairment of an environmental exploration task*. Poster presented at the annual Society for Neuroscience meeting, Washington, D.C.
30. **Dobrowolski, M.**, **Hickey, J. E.**, **Hill, J.**, **Sandusky, L. A.**, **Marino, C. L.**, & Flint, R. W., Jr. (2008, March). *Pyrithiamine-induced thiamine deficient animal model of Korsakoff's syndrome: Effects on anxiety and the impact of D-glucose on environmental habituation and spatial working memory*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
31. **Hickey, S. A.**, **Dobrowolski, M.**, & Flint, R. W., Jr. (2008, March). *Intact environmental habituation and epinephrine-induced enhancement of memory consolidation for a novel object recognition task in preweanling Sprague-Dawley rats*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
32. **Hill, J. E.**, **Hickey, S.**, **Marino, C.**, & Flint, R. W., Jr. (2008, March). *Ventral hippocampus infusions of cycloheximide at postnatal day 7 produce a lasting disruption of anxiety-related environmental habituation in the open field*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
33. **Lenhardt, M. A.**, **Boucher, R. A.**, & Flint, R. W., Jr. (2008, March). *D-glucose consumption elevates blood glucose levels and increases reading time in a non-diabetic sample*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
34. **Marino, C.**, **Hill, J.**, **Boucher, M.**, **Hickey, S.**, & Flint, R. W., Jr. (2008, March). *Effects of neonatal amygdala or ventral hippocampus lesions on a battery of cognitive tests in adulthood in Sprague-Dawley rats*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
35. **Sandusky, L.**, & Flint, R. W., Jr. (2008, March). *Reconsolidation of a traumatic memory: The effects of cycloheximide on anxiety in an animal model of post-traumatic stress disorder*. Poster presented at the 79<sup>th</sup> annual Eastern Psychological Association meeting, Boston, MA.
36. Flint, R. W., Jr. (2007, April). *The Journal of Behavioral and Neuroscience Research: A multidisciplinary peer-reviewed journal providing publication opportunities for students and faculty at all levels*. Poster presented at the 11<sup>th</sup> annual NEURON and 35<sup>th</sup> annual Hunter College joint conference, New York City.



37. **Hill, J. E., Sandusky, L. A., Zirbes, M. J., Marino, C. L., Joppich, H., Valentine, S., & Flint, R. W., Jr.** (2007, April). *Protein synthesis inhibition with systemic cycloheximide at postnatal day 12 attenuates neophobia and enhances long-term spatial memory*. Poster presented at the 11<sup>th</sup> annual NEURON and 35<sup>th</sup> annual Hunter College joint conference, New York City.
38. **Boucher, M. L., Joppich, H., Morey, C., & Flint, R. W., Jr.** (2007, March). *The protein synthesis inhibitor cycloheximide does not disrupt spatial working memory or have state-dependent effects in the T-maze in juvenile Sprague-Dawley rats*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
39. **Boucher, R. A., Lenhardt, M., & Flint, R. W., Jr.** (2007, March). *Caffeine effects on learning, memory, and attention in college age adults*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
40. **Flint, R. W., Jr., Joppich, H., & Valentine, S.** (2007, March). *Neonatal protein synthesis inhibition III: Assessment of spatial memory in the Morris water maze and T-maze in adulthood*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
41. **Hickey, S. A., Boucher, M. L., & Flint, R. W., Jr.** (2007, March). *Effects of systemic protein synthesis inhibition on memory reconsolidation in female Sprague-Dawley rats with or without multiple reminder treatments*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
42. **Hill, J. E., Sandusky, L., & Flint, R. W., Jr.** (2007, March). *Neonatal protein synthesis inhibition II: Assessment of object recognition memory, locomotor activity, open field activity, and environmental habituation in adulthood*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
43. **Kochan, M. F., Zirbes, M. J., Valentine, S., Papandrea, D., Jr., & Flint, R. W., Jr.** (2007, March). *Glucose enhances word recall and recognition memory, but not false memory in a non-diabetic sample*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
44. **Marino, C. L., & Flint, R. W., Jr.** (2007, March). *Cycloheximide impairs reconsolidation of a contextually reactivated memory in a conditioned taste aversion paradigm in adult Sprague-Dawley rats*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
45. **Morey, C., & Flint, R. W., Jr.** (2007, March). *Effects of infant exposure to alcohol at different developmental times on anxiety and long-term spatial memory in adolescent Sprague-Dawley rats*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
46. **Sandusky, L., Hill, J. E., & Flint, R. W., Jr.** (2007, March). *Acute protein synthesis inhibition at gestational day 15 decreases locomotor activity and elevates anxiety in 32-day-old male and female Long-Evans rats*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
47. **Zirbes, M. J., Marino, C. L., & Flint, R. W., Jr.** (2007, March). *Neonatal protein synthesis inhibition I: Assessment of elevated plus maze performance and taste aversion learning and extinction in adulthood*. Poster presented at the 78<sup>th</sup> annual Eastern Psychological Association meeting, Philadelphia, PA.
48. **Domineli, A., Clark, D., Flint, R., Khan, S., Reed, T., & Papandrea, D., Jr.** (2006, October). *The impact of pharmaceutical education on attitudes, knowledge, and influence of direct-to-consumer advertising*. Poster presented at the 28<sup>th</sup> annual meeting of the Society for Medical Decision Making.
49. **Valentine, S., Papandrea, D., Jr., & Flint, R. W., Jr.** (2006, March). *Effect of protein synthesis inhibition on spatial memory reconsolidation in Sprague-Dawley rats*. Poster presented at the seventy-seventh annual Eastern Psychological Association meeting, Baltimore, MD.
50. **Carlson, J.M., Flint, R.W., Jr., Blankenship, M.R., & Morgan, R.E.** (2006, May). *A comparison of amphetamine and modafinil effects on sustained and selective attention*. Poster presented at the annual Midwestern Psychological Association meeting, Chicago, IL.
51. **Flint, R.W., Jr.** (2005, October). *Emotional arousal, blood glucose level, and memory modulation: Three laboratory exercises in cognitive neuroscience*. Poster presented at the annual Northeastern Teaching of Psychology conference, New Haven, CT.

52. Flint, R.W., Jr., & **Papandrea, D., Jr.** (2005, May). *Effects of glucose on working memory in pre-weanling rats*. Poster presented at the annual Midwestern Psychological Association meeting, Chicago, IL.
53. **Papandrea, D., Jr.** & Flint, R.W., Jr. (2005, May). *Isolation-induced alterations in spatial memory performance in adolescent Sprague-Dawley rats*. Poster presented at the annual Midwestern Psychological Association meeting, Chicago, IL.
54. **Papandrea, D.,** & Flint, R.W., Jr. (2005, March). *Isolation-induced alterations in spatial memory performance in adolescent Sprague-Dawley rats*. Poster presented at the seventy-sixth annual Eastern Psychological Association meeting, Boston, MA.
55. **Spear, S.L.,** Ries, B.J., & Flint, R.W., Jr. (2004, November). *The effects of math anxiety on changes in levels of blood glucose in a nondiabetic sample*. Poster session presented at the annual Association for Advancement of Behavior Therapy, New Orleans, LA.
56. Flint, R.W., Jr. (2003, November). *Glucose effects on a continuous performance test of visual attention in adults*. Poster session presented at the annual Society for Neuroscience meeting, New Orleans, LA.
57. **Meddaugh, H.,** Flint, R.W., Jr., & Zak, A. (2003, March). *Effects of glucose on false memory for words and numbers*. Poster session presented at the seventy-fourth annual Eastern Psychological Association meeting, Baltimore, MD.
58. **Wilt, J.,** & Flint, R.W., Jr. (2003, March). *Effects of glucose on acquisition and transfer of an implicit mirror tracing task*. Poster session presented at the seventy-fourth annual Eastern Psychological Association meeting, Baltimore, MD.
59. **Burke, E.,** & Flint, R.W., Jr. (2002, March). *Proactive and retroactive interference for human faces*. Poster session presented at the seventy-third annual Eastern Psychological Association meeting, Boston, MA.
60. Flint, R.W., Jr., & **Mohanty, A.** (2002, March). *Differential effects of glucose on modulation of emotional and non-emotional spatial memory tasks*. Poster session presented at the seventy-third annual Eastern Psychological Association meeting, Boston, MA.
61. **Turek, C.,** & Flint, R.W., Jr. (2002, March). *Effects of glucose on visual attention using T.O.V.A.* Poster session presented at the seventy-third annual Eastern Psychological Association meeting, Boston, MA.
62. **Gibson, S.,** & Flint, R.W., Jr. (2001, April). *Emotional effects on inhibition in a directed forgetting paradigm*. Poster session presented at the seventy-second Eastern Psychological Association meeting, Washington, D.C.
63. **Need, C., Shatynski, B., Gifford, H.,** & Flint, R.W., Jr. (2001, April). *Hypermnnesia and reminiscence for positive and negative arousing words*. Poster session presented at the seventy-second annual Eastern Psychological Association meeting, Washington, D.C.
64. **Shatynski, B.,** & Flint, R.W., Jr. (2001, April). *Quantitative analysis of neurological damage in Urbach-Wiethe's Disease*. Poster session presented at the seventy-second annual Eastern Psychological Association meeting, Washington, D.C.
65. **Need, C.,** & Flint, R.W., Jr. (2000, March). *Hypermnnesia, reminiscence, and forgetting for positive arousing and neutral words*. Poster session presented at the seventy-first annual Eastern Psychological Association meeting, Baltimore, MD.
66. **Shatynski, E.,** & Flint, R.W., Jr. (2000, March). *Hypermnnesia, reminiscence, and forgetting for negative arousing and neutral words*. Poster session presented at the seventy-first annual Eastern Psychological Association meeting, Baltimore, MD.
67. **Citrowske, D.L.,** & Flint, R.W., Jr. (1999, April/May). *Hypermnnesia and reminiscence, but not context dependence for a novel non-verbal memory task in humans*. Poster session presented at the seventy-first annual Midwestern Psychological Association meeting, Chicago, IL.
68. Flint, R.W., Jr., & Riccio, D.C. (1999, April/May). *UCS intensity-dependent attenuation of infantile amnesia*. Poster session presented at the seventy-first Midwestern Psychological Association meeting, Chicago, IL.
69. **Johnson, A.C., Mohanty, A.,** & Flint, R.W., Jr. (1999, April/May). *Glucose-induced enhancement of spatial memory in humans*. Poster session presented at the seventy-first annual Midwestern Psychological Association meeting, Chicago, IL.

70. **Le, M., Dahle, C., & Flint, R.W., Jr.** (1999, April/May). *Glucose does not enhance implicit memory for a mirror drawing task*. Poster session presented at the seventy-first annual Midwestern Psychological Association meeting, Chicago, IL.
71. Metzger, M., **Chriswell, M., Citrowske, D., Scrabeck, J., & Flint, R.W., Jr.** (1999, April/May). *Glucose-induced enhancement of a facial recognition task in young adults*. Poster session presented at the seventy-first annual Midwestern Psychological Association meeting, Chicago, IL.
72. Flint, R.W., Jr., & Riccio, D.C. (1998, May). *Dose-dependent modulation of memory retrieval with epinephrine in infant rats*. Poster session presented at the seventieth annual Midwestern Psychological Association meeting, Chicago, IL.
73. Flint, R.W., Jr., Kaut, K., & Bunsey, M.D. (1997, October). *The hippocampus and perirhinal-entorhinal cortices in simple olfactory task retention*. Poster session presented at the twenty-seventh annual meeting of The Society for Neuroscience, New Orleans, LA.
74. Flint, R.W., Jr., **Coulter, G., & Riccio, D.C.** (1997, May). *Immediate post-training injection of glucose attenuates the development of infantile amnesia in rats*. Poster session presented at the sixty-ninth annual Midwestern Psychological Association meeting, Chicago, IL.
75. Flint, R.W., Jr., & **Gilmore, R.F.** (1997, May). *Teaching statistics to visually impaired students*. Round-table discussion at the fourth annual American Psychological Society Institute on the Teaching of Psychology, Washington, D.C.
76. Flint, R.W., Jr., Haller, N.A., & Newberry, B.H. (1997, May). *Lipopolysaccharide-induced decreases in locomotor activity and food consumption in pre-weanling rats*. Poster session presented at the sixty-ninth annual Midwestern Psychological Association meeting, Chicago, IL.
77. Flint, R.W., Jr., Land, C.L., **Phillips, G., & Riccio, D.C.** (1997, May). *Glucose does not influence general locomotor activity or serve as a UCS in a conditioned taste aversion paradigm in rats*. Poster session presented at the sixty-ninth annual Midwestern Psychological Association meeting, Chicago, IL.
78. Harrod, S.B., Flint, R.W., Jr., Land, C.L., & Riccio, D.C. (1997, May). *MK-801-induced state-dependent-retention for single-trial passive-avoidance conditioning in rats*. Poster session presented at the sixty-ninth annual Midwestern Psychological Association meeting, Chicago, IL.
79. Flint, R.W., Jr., & Riccio, D.C. (1997, April). *Ontogeny of memory retrieval: An analysis of reactivation treatments for passive-avoidance conditioning in pre-weanling rats*. Paper presented at the fifth annual Tri-State Psychology Conference, Marshall University, WV.
80. **Urban, K.A., Heineman, A.R., Flint, R.W., Jr., Haller, N.A., & Newberry, B.H.** (1997, April). *A developmental animal model of psychoneuroimmunology: I. Lipopolysaccharide-induced decreases in general activity and food consumption*. Poster session presented at the fifth annual Tri-State Psychology Conference, Marshall University, WV.
81. **Urban, K.A., Heineman, A.R., Haller, N.A., Flint, R.W., Jr., & Newberry, B.H.** (1997, April). *A developmental animal model of psychoneuroimmunology: II. Lipopolysaccharide-induced hyperalgesia and lack of delayed effect on general activity*. Poster session presented at the fifth annual Tri-State Psychology Conference, Marshall University, WV.
82. Flint, R.W., Jr., & Newberry, B.H. (1996, May). *Immunostimulant-induced state-dependent retention for passive-avoidance conditioning in rats*. Poster session presented at the sixty-eighth annual Midwestern Psychological Association meeting, Chicago, IL.
83. Flint, R.W., Jr., & Riccio, D.C. (1996, May). *Pre-test administration of glucose attenuates infantile amnesia for passive-avoidance training in rats*. Poster session presented at the sixty-eighth annual Midwestern Psychological Association meeting, Chicago, IL.
84. Metzger, M.M., Flint, R.W., Jr., & Riccio, D.C. (1996, May). *Ketaset-rompun anesthesia induces a conditioned taste aversion in rats*. Poster session presented at the sixty-eighth annual Midwestern Psychological Association meeting, Chicago, IL.
85. Flint, R.W., Jr., & Newberry, B.H. (1995, June). *Teaching college teaching: Issues and content*. Round-table discussion at the second annual American Psychological Society Institute on the Teaching of Psychology, New York, NY.

86. Flint, R.W., Jr., & Riccio, D.C. (1995, June). *Dose-dependent alleviation of hypothermia-induced retrograde amnesia in rats by glucose administration*. Poster session presented at the seventh annual American Psychological Society meeting, New York, NY.
87. Flint, R.W., Jr., Metzger, M.M., Benson, D.M., & Riccio, D.C. (1995, May). *Stress-induced enhancement of memory for fear conditioning in rats*. Poster session presented at the sixty-seventh annual Midwestern Psychological Association meeting, Chicago, IL.
88. Flint, R.W., Jr., Metzger, M.M., Land, C.L., Saba, K.D., & Riccio, D.C. (1995, May). *Glucose and epinephrine do not enhance memory for CTA*. Poster session presented at the sixty-seventh annual Midwestern Psychological Association meeting, Chicago, IL.
89. Flint, R.W., Jr., **Mellilo, P.**, & Riccio, D.C. (1995, May). *Lack of duration x intensity trade-off in hypothermia-induced retrograde amnesia*. Poster session presented at the sixty-seventh annual Midwestern Psychological Association meeting, Chicago, IL.
90. Flint, R.W., Jr., & Riccio, D.C. (1995, May). *Glucose administration attenuates hypothermia-induced retrograde amnesia in rats in a time- and dose-dependent manner*. Paper session presented at the sixty-seventh annual Midwestern Psychological Association meeting, Chicago, IL.
91. Flint, R.W., Jr., Metzger, M.M., Benson, D.M., & Riccio, D.C. (1995, April). *Stress-induced memory enhancement for inhibitory fear conditioning in rats*. Paper session presented at the annual Tri-State Conference on Animal Learning and Memory, Ohio State University, OH.
92. Flint, R.W., Jr., & Cross, J. (1994, June). *Effects of perirhinal cortex lesions on delayed nonmatching-to-sample performance in rats*. Poster session presented at the sixth annual American Psychological Society meeting, Washington, D.C.
93. Flint, R.W., Jr., Morgan, R.E., & Riccio, D.C. (1994, May). *Forgetting of stimulus attributes in rats when memory is inaccessible*. Poster session presented at the sixty-sixth annual Midwestern Psychological Society meeting, Chicago, IL.
94. Flint, R.W., Jr., **Sullivan, M.B.**, & Riccio, D.C. (1994, May). *Time-dependent alleviation of retrograde amnesia in rats by glucose administration*. Poster session presented at the sixty-sixth annual Midwestern Psychological Association meeting, Chicago, IL.
95. Flint, R.W., Jr., Murray, E.A., & Gaffan, E.A. (1992, April). *Effects of separate amygdala and anterior rhinal cortex lesions on memory in rhesus monkeys*. Paper session presented at the twentieth annual Western Pennsylvania Undergraduate Psychology Conference, Allegheny College, Meadville, PA.

### Council for Undergraduate Research - Undergraduate Research Highlights

- Chown AE, Noble LJ, Flint Jr RW. Traumatic brain injury and memory loss: A review of nonhuman animal models. *J Behav Neurosci Res.* 2010;8;30-48. (The College of Saint Rose)
- Flint RW, Marino CL, Hickey S, Sandusky L, Hill JE. Cycloheximide exposure systemically at gestational day 15 or centrally into the ventral hippocampus at postnatal day 7 disrupts anxiety-related behavior in the open field. *New Directions in Developmental Psychobiology.* 2009;0;179-198.

### Grant Experience

Federal, State, and Regional Grants:

1. The Bender Scientific Fund of The Community Foundation for the Greater Capital Region – Joint grant awarded to Dr. Kari Murad and Dr. Robert Flint, *Effects of Artificial Sweeteners on Behavior and Gut Biology in Adolescent Rats*, 2015, \$12K
2. National Science Foundation (NSF) Research Opportunity Award (ROA), Joint – The College of Saint Rose and SUNY Albany, *Does neurosteroidogenesis in the amygdala mediate extinction of contextual fear conditioning?*, Spring-Summer 2003, \$10K

Institutional/Internal Grant Support:

1. Scholars and Artists Research Grant, The College of Saint Rose, *Metabolic and Neurotransmitter Changes in the Brain Associated with the Development of Short-Term Habituation of the Acoustic Startle Response in Rats (Rattus norvegicus)*, Spring-Summer 2012, \$4K.
2. Scholars and Artists Research Grant, The College of Saint Rose, *Long-Term Habituation of the Acoustic Startle Response: Examination of Consolidation and Reconsolidation Processes in Sprague-Dawley Rats*, Spring-Summer 2011, \$4K.
3. Scholars and Artists Research Grant, The College of Saint Rose, *Test of the State-Dependent Hypothesis of Memory Reconsolidation in Adolescent Sprague-Dawley Rats*, Spring-Summer 2010, \$4K
4. Scholars and Artists Research Grant, The College of Saint Rose, *Behavioral Characteristics of Memory Reconsolidation*, Spring-Summer 2009, \$4K
5. Scholars and Artists Research Grant, The College of Saint Rose, *Dual Investigation of the Role of De Novo Protein Synthesis in Cognition: Perspectives from Developmental and Behavioral Neuroscience Approaches*, Spring-Summer 2008, \$4K.
6. Professional Development Research Grant, The College of Saint Rose, *Effectiveness of Behavioral and Pharmacological Treatments to Attenuate Protein Synthesis-Induced Reconsolidation Impairments of Long-Term Spatial Memory in Sprague-Dawley Rats*, Summer-Fall 2007, \$500.
7. Professional Development Release Time Grant, The College of Saint Rose, *Development of PowerPoint Slides and Laboratory Exercises for Basic Learning Processes* (a new textbook written by the PI), Fall 2007, Funded for 1 Course Reduction.
8. Scholars and Artists Research Grant, The College of Saint Rose, *Effect of Localized Protein Synthesis Inhibition in the Parietal Cortex and Dorsal Hippocampus on Reconsolidation of Spatial Information: A Double Dissociation Study in Male Sprague-Dawley Rats*, Spring-Summer 2007, \$4K.
9. Professional Development Research Grant, The College of Saint Rose, *Effect of Acute Protein Synthesis Inhibition in the Brain of 7-Day-Old Rats on Memory in Adulthood*. Summer 2006.
10. Scholars and Artists Research Grant, The College of Saint Rose, *Effects of Excitotoxic Amygdala and Ventral Hippocampal Lesions in 7-Day-Old Sprague-Dawley Rats on Learning and Memory in Adulthood*, Spring-Summer 2006, \$4K.
11. Professional Development Research Grant, The College of Saint Rose, *Effect of Cycloheximide on Reconsolidation of Spatial Memory using the Morris Water Maze*, Summer 2005.
12. Professional Development Research Grant, The College of Saint Rose, Joint Grant with Dr. Kari Murad - Biology, *Effects of Immunostimulation on Immunoreactivity and Behavior in Rats*, Fall 2004-Spring 2005, \$800.
13. Professional Development Release Time Grant, The College of Saint Rose, *Meta-Analysis of the Glucose-Induced Memory Modulation Literature in Humans and the Development of an NSF Grant for Psychophysiology Equipment*. Spring 2003, \$2.1K.
14. Professional Development Research Grant, The College of Saint Rose, *Effects of Glucose on Extinction of Operant Conditioning Training in Rats*, Spring 2002, \$500.
15. Professional Development Release Time Grant, The College of Saint Rose, *NSF Grant Writing*, Summer 2002, \$2.1K.
16. Professional Development Release Time Grant, The College of Saint Rose, *New Course Development and Manuscript Preparation*, Summer 2001, \$2K.
17. Professional Development Research Grant, The College of Saint Rose, *The Effects of Glucose on Acquisition, Storage, and Retrieval of a Mirror Tracing Task in Humans*, Spring 2001, \$500.
18. Professional Development Research Grant, The College of Saint Rose, *Attention and Autonomic Nervous System Arousal Monitoring*, Spring 2000, \$500.
19. College of Social and Behavioral Sciences Research Grant, Minnesota State University - Mankato, *The Effects of Glucose on Acquisition, Storage, and Retrieval of a Mirror Tracing Task in Humans*, Winter 1998, \$150.

20. Faculty Research Grant, Minnesota State University - Mankato, *The Role of Stress and Associated Neurochemicals in Modulating Memory Retrieval in Rats*, Winter 1998, \$4K.

Sabbatical Awards:

1. *Neurobiological Foundations of Learning* (textbook project), The College of Saint Rose, Sabbatical awarded for the Spring 2007 semester.

Organizational Grant Experience:

1. Faculty for Undergraduate Neuroscience (FUN), Equipment Loan Grant, *Pedagogical Development and Research Advances using the SR-LAB System at The College of Saint Rose*, Fall 2010, 2 year grant (Estimated value \$20K)
2. T.O.V.A. Research Foundation Grant, Universal Attention Disorders, Inc., *Caffeine Effects on Attention, Memory, Mood, and Physiology in Normal Adults*, Spring 2002, 4 year grant (Estimated value \$4K)
3. LifeScan Inc. Research Grant, *The Effects of Glucose on Acquisition of a Mirror Tracing Task in Humans*, Summer 2001, (Estimated value \$200)
4. T.O.V.A. Research Foundation, Universal Attention Disorders, Inc., *An Examination of the Effects of Glucose on Visual and Auditory Attentional Processes in College Age Adults*, Spring 2000, (Estimated value \$2K)
5. LifeScan, Inc., *The Effects of Glucose on Memory Retrieval of an Emotional and Neutral Spatial Memory Task in Young Adults*, Fall 1999, (Estimated value \$300)
6. LifeScan, Inc., *The Effects of Glucose on Hypermnnesia*, Spring 1998, (Estimated value \$300)

## Awards & Recognition

- Psi Chi/CUR Research Mentor – 2012
- Marquis Who's Who in America, 62<sup>nd</sup> Edition, 2008
- Kent State University Teaching Award, 1996
- Student Research Publication Award in Applied Psychology, Applied Psychology Center, Kent State University, 1997
- First Place Paper Presentation, Fifth Annual Tri-State Psychology Conference, Marshall University, Huntington, WV, 1997
- Predoctoral Intramural Research Training Award, NIH, NIMH, Laboratory of Neuropsychology, June 1992 - August 1992
- Predoctoral Intramural Research Training Award, NIH, NIMH, Laboratory of Neuropsychology, June 1991 - August 1991
- Guy Emerson Buckingham Award in Psychology, Allegheny College, 1992
- Allegheny College Sesquicentennial Scholarship for Leadership and Academic Achievement, 1988-1992
- Allegheny College Alden Scholar for High Academic Achievement, 1992

## Professional Positions/Reviews

Journals:

- *Biological Psychology*, Reviewer
- *Evolutionary Bioinformatics*, Reviewer
- *Journal of Undergraduate Neuroscience Education*, Reviewer
- *Journal of Behavioral and Neuroscience Research*, Founder and Editor-in-Chief
- *Journal of Articles in Support of the Null Hypothesis*, Editorial Board Member until 2010
- *Journal of Undergraduate Research*, Editorial Board Member and Reviewer
- *Mini-Reviews in Medicinal Chemistry*, Reviewer

- *Neurobiology of Learning and Memory*, Reviewer
- *Neuroscience*, Reviewer
- *Neurotoxicity Research*, Reviewer
- *Nutritional Neuroscience – An International Journal*, Reviewer
- *Pediatrics*, Reviewer
- *Physiology & Behavior*, Reviewer
- *Psi Chi Journal for Undergraduate Research*, Reviewer

Books, Textbooks & Chapters:

- Allyn & Bacon, *Introduction to Psychology*
- Brooks/Cole, *Motivation*
- Cambridge University Press, *Comparative Cognition*
- Houghton Mifflin Company, *Introduction to Psychology*
- Oxford University Press, *Motivation*
- Oxford University Press, *Neuropsychology*
- Pearson, *Introduction to Psychology*
- Sinauer Associates, Inc., *Biological Psychology* (5<sup>th</sup> ed.)
- Sinauer Associates, Inc., *Learning & Behavior* (1<sup>st</sup> ed.)
- Sinauer Associates, Inc., *Introduction to Psychology* (1<sup>st</sup> ed.)
- Wadsworth Publishers, *Clinical Neuropsychology*
- Worth Publishers, *Fundamentals of Human Neuropsychology*

Other:

- National Science Foundation, Grant Reviewer
- Consultant as Expert in Learning & Memory for Dr. Cheryl Frye's NSF Grant (SUNY Albany)
- CourseWise Publishers, Editorial Board Member, 1997-2001
- Professional Evaluator for Research Grant (Perceived Organizational Justice and Scientific Dishonesty, sponsored by the Office of Research Integrity and the National Institutes of Health, administered by Children's Hospital, Harvard Medical School. Grant # NS42454)

## Academic Service

University & College Positions:

- Strategic Enrollment Planning Group, School of Mathematics & Sciences Representative, 11/16-Present
- Ad hoc Rank & Tenure Criteria Evaluation Committee, 2013
- Pre-Med/Health Committee, 2013
- Undergraduate Summer Research Grant Review Committee, 1/10
- Faculty Review Committee, The College of Saint Rose, 9/08 – 9/09
- Faculty Mediation Committee, The College of Saint Rose, 9/06 – 9/08
- Representative Committee of the Teaching Faculty, The College of Saint Rose, 9/02-5/04
- Undergraduate Academic Committee, The College of Saint Rose, 8/00-5/03
  - Writing Intensive Subcommittee, 9/00-5/00
  - Course Time Block Subcommittee, 1/01-11/01
- Library System Upgrade Task Force, The College of Saint Rose, 9/00-5/01
- Institutional Review Board for Research with Human Subjects, The College of Saint Rose, 1/00-5/02
  - Chairperson, 9/00-5/02
- Cultural Diversity Council, Minnesota State University - Mankato, 9/98-7/99
- Teaching and Learning Committee, College of Social and Behavioral Sciences, Minnesota State University - Mankato, 10/98-7/99

- Institutional Animal Care and Use Committee, Minnesota State University - Mankato, 5/98-7/99
- Institutional Animal Care and Use Committee, Kent State University, 1/95-8/97

School of Mathematics & Sciences:

- Professional Development Committee, The College of Saint Rose, School of Mathematics and Sciences, 9/99-5/13
- Albertus Hall Professional Display Committee, The College of Saint Rose, School of Mathematics and Sciences, 11/06-8/07
- Equipment Request Committee, The College of Saint Rose, School of Mathematics and Sciences, 8/00
- Computer Lab Use Assessment Committee, The College of Saint Rose, School of Mathematics and Sciences

Department of Psychology:

- Chair, Department of Psychology, 2013-Present
- Coordinator of the Human Research Participant Pool, The College of Saint Rose, 8/01-Present
- Psi Chi - The National Honor Society in Psychology Advisor, The College of Saint Rose, 9/99-5/04
- Psychology Club Advisor, The College of Saint Rose, 9/99-5/04
- Health/Experimental Psychology Search Committee, The College of Saint Rose, 10/00-5/01
- Clinical Psychology Search Committee, The College of Saint Rose, 10/99-5/00
- Clinical Training Committee, Department of Psychology, Minnesota State University - Mankato, 8/98-7/99
- Curriculum and Assessment Committee, Department of Psychology, Minnesota State University - Mankato, 9/97-7/99
- Psi Chi Co-Advisor, Minnesota State University - Mankato, 9/98-7/99
- Psychology Club Co-Advisor, Minnesota State University - Mankato, 9/97-7/99
- Delta Tau Delta Fraternity Faculty Advisor, 9/97-7/99
- Delta Tau Delta Fraternity Scholarship Committee Chairperson, 1/98-7/99
- Personnel Committee, Department of Psychology, Minnesota State University - Mankato, 9/97-7/99
- Space Committee, Department of Psychology, Minnesota State University - Mankato, 8/98-7/99
- Introductory Psychology Committee, Department of Psychology, Minnesota State University - Mankato, 9/97-7/99
- Experimental Training Committee, Biopsychology Representative, Kent State University, 10/94-10/95

### Workshops/Special Training

- United Educators course on Workplace Harassment for Faculty, January 2013
- Preventing Sexual & Prohibited Harassment, Workshop sponsored by The College of Saint Rose, April 2003
- Human Participant Protections Education for Research, Certificate of Completion, Online course sponsored by the National Institutes of Health, March 2002
- Successful Grant Writing: Learning the Basics, Workshop presented at The College of Saint Rose, February 2002
- Protecting Human Research Subjects, Certificate of Completion, A regional conference sponsored by the US Department of Health and Human Services, April 2001



- National Science Foundation Course, Curriculum, and Laboratory Improvement Grant Writing Workshop, April 2000

### Professional Affiliations

- Council for Undergraduate Research, Member
- Eastern Psychological Association, Member
- Faculty for Undergraduate Neuroscience (FUN), Member
- Psi Chi - The International Honor Society in Psychology, Member
- Society for Neuroscience, Member

### Community Service

- Tesago Elementary School, Member of the Tesago Partnership Team for New Initiatives in Education, 2007-2009
- Joseph Henry Science Fair, Educational Session Presenter, 2007
- Habitat for Humanity, Member of the Albany County Building Committee (2004)
- Saint Rose Science Fair Judge, 2001

### Student Research Presentations at Undergraduate Conferences

(Only those that were not also presented at regional, national, or international meetings are listed from 2002-Present)

1. Rorick, S., & Flint, R. W., Jr. (2013, April). *Mathematical model of the memory reconsolidation effect across three separate studies*. Poster presentation at the annual Saint Rose Undergraduate Research Symposium.
2. Zawalski, J. (2005, April). *Effect of alcohol on anxiety in an elevated plus maze: An evaluation of risk-taking behavior*. Poster presentation at the 33<sup>rd</sup> annual Hunter College Psychology Conference and the 9<sup>th</sup> annual North East Under/graduate Research Organization for Neuroscience meeting, New York, NY.
3. Sweezy, K. (2003, March). *Assessment of parvalbumin-containing cortical interneurons in an animal model of schizophrenia*. Poster presentation at the 7<sup>th</sup> annual North East Under/graduate Research Organization for Neuroscience meeting.
4. Mejias, D. (2002, March). *Gender effects on verbal fluency and a novel nonverbal spatial memory task*. Poster presentation at the 6<sup>th</sup> annual North East Under/graduate Research Organization for Neuroscience meeting.
5. Holbrook, M. & Mejias, D. (2002, March). *Effects of glucose on word recall in a directed forgetting paradigm*. Poster presentation at the 6<sup>th</sup> annual North East Under/graduate Research Organization for Neuroscience meeting.