

# Robert Calin-Jageman

RCalinJageman@dom.edu 724.524.6581

Department of Psychology  
Dominican University

7900 West Division St.  
River Forest, IL 60305

## EDUCATION

---

Georgia State University, Atlanta, GA, 2004-2006

- Post-Doctoral Researcher
- Lab of Paul S. Katz, Department of Biology

Wayne State University, Detroit, MI, 1998-2004

- Ph.D., Psychology (Behavioral and Cognitive Neuroscience), 2004, Lab of Thomas Fischer
- M.A., Psychology (Cognitive), 2001, Supervised by Hilary H. Ratner

Albion College, Albion, MI, 1994-1998

- B.A., Philosophy and Cognitive Science

## EMPLOYMENT

---

Dominican University, River Forest, IL, 2007-present

- Professor, Department of Psychology, 2015-present
- Associate Professor, Department of Psychology, 2011-2015
- Assistant Professor, Department of Psychology, 2007-2011
- Neuroscience Program Director, 2008-present

Agnest Scott College, Atlanta, GA, 2007

- Adjunct Assistant Professor, Department of Psychology

Georgia State University, Atlanta, GA, 2006-2007

- Research Assistant Professor, Department of Biology

Database design for small businesses, 1998-2004

- Custom database solutions for chambers of commerce

## PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

---

### Memberships

- Society for Neuroscience, 2001-present
- Faculty for Undergraduate Neuroscience, 2007-present
- Association for Psychological Science, 2009-present

### Webmaster

- Faculty for Undergraduate Neuroscience, 2008-present, <http://funfaculty.org>
- Nu Rho Psi Neuroscience Honors Society, 2008-present, <http://nurhopsi.org>
- Group Curator, Big Trends in Neuroscience, 2010-present, <http://www.mendeley.com/profiles/robert-calin-jageman>

## BOOKS

---

Cumming G & **Calin-Jageman RJ** (2016). *Introduction to the New Statistics*. Routledge: New York, NY.

## FUNDING

### Ongoing

- Transcriptional Mechanisms of Maintaining and Forgetting Long-Term Memory  
NIH Grant #1R15MH107892-01, co-PI  
\$300,000 – direct costs  
Funding period: 7/1/2015-7/1/2018

### Past

- Replication of Facial Feedback Hypothesis  
Association for Psychological Science, co-PI  
Funding Period: 8/1/2015-12/1/2015
- Replication of Superstition and Performance Study by Damisch, Stoberock & Mussweiler  
Center for Open Science Grant, co-PI  
\$500 – direct costs  
Funding Period: May 2013-December 2013
- Mechanisms in the Expression and Decay of Long-Term Habituation  
NIH Grant #1R15MH090998-01, co-PI  
\$249,000 – direct costs  
Funding period: 7/15/2010-7/14/2013
- Physiological and Genetic Substrates of Long-Term Habituation  
Davidson College and Howard Hughes Medical Foundation, PI  
\$9,000 – direct costs
- Physiological and Genetic Substrates of Long-Term Habituation  
RCAS Summer Research Grant, Dominican University  
\$3000 –equipment and supplies  
Funding period: 6/1/2008 – 9/1/2008
- Development of an Invertebrate System for Studying Drug Reinforcement  
Funded via Georgia State University and the Center for Behavioral Neuroscience  
\$17,487 – salary, equipment and supplies  
Funding period: 1/3/2007 – 1/3/2008

### Management of Congressional Earmarks

- Physiological, Molecular, and Genetic Mechanisms of Long-Term Habituation.  
DOE grant #DE-FG02-08ER64652, co-PI  
~\$572,000 – direct costs / year  
Funding period: 9/1/2008 – 8/31/2009, renewed 8/31/2009 – 8/30/2010
- Purchase of Capital Equipment for Two Laboratories that Support Neuroscience at Dominican University in River Forest, IL  
DOE grant #DE-FG02-08CH11516, co-PI  
\$287,000 – construction and equipment costs  
Funding period: 9/30/2008 – 12/31/2008

## POPULAR PRESS COVERAGE / PUBLIC TALKS

---

- [Quanta](#) (2018). To remember, the brain must forget.
- [Slate](#) (2017). No, wearing red doesn't make you hotter.
- [New York Magazine](#) (2017). Religious belief and analytical thinking don't necessarily cancel each other out.
- [Nature](#) (2016). Psychologists argue about whether smiling makes cartoons funnier
- [Lund-Gill Lecture Series](#) (2016). Is science sick?
- [Caritas & Veritas Lecture](#) (2013). If your brain offends thee, pluck parts of it out: Neurotech for moral perfection.

**Peer-Reviewed Articles and Book Chapters, \* indicates undergraduate co-author**

1. Wurm L, Vakoch D, Strasser M, Ross S, & **Calin-Jageman RJ**. (2001). Speech perception and vocal expression of emotion. *Cognition and Emotion*, 15: 831-52.
2. **\*Calin-Jageman RJ** & Fischer, TM. (2003). Temporal aspects of an environmental stimulus influence the dynamics of behavioral regulation of the *Aplysia* SWR. *Behavioral Neuroscience*, 117: 555-65. PMID: 12802884.
3. **Calin-Jageman, RJ** & Fischer TM. (2003). Synaptic augmentation contributes to environment-driven regulation of the *Aplysia* siphon-withdrawal reflex. *Journal of Neuroscience*, 23: 11611-20. PMID: 14684863.
4. **Calin-Jageman RJ** & Ratner HH. (2005). The role of encoding in the self-explanation effect. *Cognition and Instruction*, 23: 523-43..
5. Tian H, Sunderraman R, **Calin-Jageman RJ**, Yang H, Zhu Y & Katz PS. (2006). NeuroQL: A domain-specific query language for neuroscience data. *Lecture Notes in Computer Science*, 4254: 613-624.
6. **\*Calin-Jageman RJ** & Katz PS (2006). A Distributed Computing Tool for Generating Neural Simulation Databases. *Neural Computation* 19, 1-5. PMID: 17052151.
7. **\*Calin-Jageman RJ** & Fischer TM (2007). Behavioral adaptation of the *Aplysia* siphon-withdrawal response is accompanied by sensory adaptation. *Behavioral Neuroscience*, 121: 200-11. PMID: 17324064.
8. **Calin-Jageman RJ**, Xie C, Pan Y, Vandenberg A & Katz PS (2007) NEURONgrid: A toolkit for generating parameter-space maps using NEURON in a grid environment. *LNCS Bioinformatics*, 4463: 182-191.
9. **Calin-Jageman RJ**, Chen Y, Dhawan A, Frederick C, Phoungphol P, Prasad SK, Sunderraman R, Wang H-C, Yang H, Zhu Y & Katz PS (2007). Development of NeuronBank: A federation of customizable knowledge bases for neural circuitry. *IEEE Services Computing Workshop*.
10. **\*Calin-Jageman RJ**, Tunstall M, Mensh B, Katz PS, & Frost WN (2007). A computational analysis of intrinsic and extrinsic control of rhythmic neural activity in the *Tritonia* swim central pattern generator. *Journal of Neurophysiology*, 98: 2382-98. PMID: 17652417
11. **\*Sakurai A, Calin-Jageman RJ\*** & Katz PS (2007). The potentiation phase of spike timing-dependent neuromodulation by a serotonergic interneuron involves an increase in the fraction of transmitter release. *Journal of Neurophysiology*, 98: 1975-87. PMID: 17686912 (co-first author).
12. **\*Clemens S, Calin-Jageman RJ** & Katz PS (2007). Altering cAMP levels within a central pattern generator modifies or disrupts rhythmic motor output. *Journal of Comparative Physiology*, 193: 1265-71. PMID 17972082.
13. **Calin-Jageman RJ** & Katz PS (2009). Neuromodulation. *Encyclopedia of Neuroscience*, (L.R. Squire, Editor). Oxford: Academic Press.
14. **\*Katz PS, Calin-Jageman RJ**, Dhawan A, Frederick C, Guo S, Dissanayaka R, Hiremath N, Ma W, Shen X, Wang HC, Yang H, Prasad S, Sunderraman R, Zhu Y (2010). NeuronBank: A tool for cataloging neuronal circuitry. *Frontiers in Systems Neuroscience*, 4:9. PMID: 20428500
15. **\*Bonnick K\***, Bayas K\*, Belchenko D\*, Cyriac A\*, Dove M\*, McBride B\*, Calin-Jageman IE & Calin-Jageman RJ (2012). Transcriptional changes following long-term sensitization training and *in vivo* serotonin exposure in *Aplysia californica*. *PLOS One*, 7(10): e47378, PMID: 23056638.
16. Cyriac A\*, Holmes G\*, Lass J\*, Belchenko D\*, Calin-Jageman RJ, & Calin-Jageman IE. (2013). An *Aplysia* Egr homolog is rapidly and persistently regulated by long-term sensitization training. *Neurobiology of learning and memory*, 102:43-51. PMID: 23567107
17. **\*Herdegen S, \*Conte C, \*Kamal S, Calin-Jageman RJ** & Calin-Jageman IE (2014). Immediate and Persistent Transcriptional Correlates of Long-Term Sensitization Training at Different CNS Loci in *Aplysia californica*. *PLoS One*, 9(12): e114481. PMID: 25486125.
18. **\*Herdegen S, \*Holmes G, \*Cyriac A, Calin-Jageman IE, & Calin-Jageman RJ** (2014). Characterization of the rapid transcriptional response to long-term sensitization training in *Aplysia californica*. *Neurobiology of Learning and Memory*, 116:27-35. PMID: 25117657
19. **Calin-Jageman RJ**, & Caldwell TL (2014). Replication of the Superstition and Performance Study by Damisch, Stoberock, and Mussweiler (2010). *Social Psychology*, 45(3), 239-245. doi:10.1027/1864-9335/a000190
20. **\*Holmes G, \*Herdegen S, \*Schuon J, \*Cyriac A, \*Lass J, \*Conte C, Calin-Jageman, IE** & Calin-Jageman RJ (2015). Transcriptional analysis of a whole-body form of long-term habituation in *Aplysia californica*. *Learning and Memory*, 22(1): 11-23. PMID: 25512573.
21. Olivo RF, Burdo JR, **Calin-Jageman RJ**, Grisham WE, Linden ML, Rosenberg RL, Symonds LL, Thornton

- JE. (2015). ERIN: A portal to resources for higher education in neuroscience. *Journal of Undergraduate Neuroscience Education*, 13(3): A126-30. PMID: 26240519.
22. Pliske RM, Caldwell TL, **Calin-Jageman RJ** & Taylor-Ritzler T (2015). Demonstrating the effectiveness of an integrated and intensive research methods and statistics course sequence. *Teaching of Psychology*, 42(2), 153–156. doi:10.1177/0098628315573139
  23. \*Cusack M, \*Vezenkova N, \*Gottschalk C, & Calin-Jageman RJ (2015). Direct and conceptual replications of Burgmer & Englich (2012): Power may have little to no effect on motor performance. *PLOS ONE*, 10(11), e0140806. doi:10.1371/journal.pone.0140806
  24. \*Moery E & **Calin-Jageman RJ** (2016). Direct and conceptual replications of Eskine (2013): Organic food exposure has little to no effect on moral judgements and prosocial behavior. *Social Psychology and Personality Science*, 7 (4): 312-319. 10.1177/1948550616639649.
  25. Wagenmakers EJ...\*Chasten K, **Calin-Jageman RJ**, Caldwell T & others (2016). Registered Replication Report: Strack, Martin & Stepper (1988). *Perspectives in Psychological Science*, 11(6): 917-28 10.1177/1745691616674458.
  26. **Calin-Jageman RJ**. (2017). Cartoon Network : A tool for open-ended exploration of neural circuits. *Journal of Undergraduate Neuroscience Education*, 16(1), 41–45.
  27. **Calin-Jageman RJ**. (2017). After p Values: The New Statistics for Undergraduate Neuroscience Education. *Journal of Undergraduate Neuroscience Education*, 16(1), E1–E4.
  28. Katz, P. S., & **Calin-Jageman, RJ**. (2017). Neuromodulation. In L. Squire (Ed.), *Reference Module in Neuroscience and Biobehavioral Psychology* (Vol. 6, pp. 497–503). Elsevier. <https://doi.org/10.1016/B978-0-12-809324-5.02300-2>
  29. \*Sanchez, C., Sundermeier, B., Gray, K., & **Calin-Jageman RJ**. (2017). Direct replication of Gervais & Norenzayan (2012): No evidence that analytic thinking decreases religious belief. *PLOS ONE*, 12(2), e0172636. <https://doi.org/10.1371/journal.pone.0172636>
  30. \*Lehmann, G. K., & **Calin-Jageman RJ**. (2017). Is Red Really Romantic? *Social Psychology*, i(3), 1–10. <https://doi.org/10.1027/1864-9335/a000296>
  31. \*Conte, C., \*Herdegen, S., \*Kamal, S., \*Patel, J., \*Patel, U., \*Perez, L., Rivota, M., **Calin-Jageman RJ**, Calin-Jageman, I. E. (2017). Transcriptional correlates of memory maintenance following long-term sensitization of *Aplysia californica*. *Learning & Memory*, 24(10), 502–515. <https://doi.org/10.1101/lm.045450.117>
  32. **Calin-Jageman, R. J.** (2017). After p Values: The New Statistics for Undergraduate Neuroscience Education. *Journal of Undergraduate Neuroscience Education : JUNE : A Publication of FUN, Faculty for Undergraduate Neuroscience*, 16(1), E1–E4. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/29371851>
  33. **Calin-Jageman, R. J.** (2017). Cartoon Network: A tool for open-ended exploration of neural circuits. *Journal of Undergraduate Neuroscience Education : JUNE : A Publication of FUN, Faculty for Undergraduate Neuroscience*, 16(1), A41–A45. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/29371840>
  34. \*Perez, L., \*Patel, U., \*Rivota, M., Calin-jageman, I. E., & **Calin-Jageman RJ**. (2018). Savings memory is accompanied by transcriptional changes that persist beyond the decay of recall. *Learning & Memory*, 25, 1–5. <https://doi.org/10.1101/lm.046250.117.25>
  35. **Calin-Jageman, R. J.** (2018). Direct replications of Ottati et al. (2015): The earned dogmatism effect occurs only with some manipulations of expertise. *Journal of Experimental Social Psychology*, 78(April 2017), 240–249. <http://doi.org/10.1016/j.jesp.2017.12.008>
  36. Calin-Jageman, R. J. (2018). The New Statistics for Neuroscience Majors : Thinking In Effect Sizes. *The Journal of Undergraduate Neuroscience Education*, 16(2), E21-25. <http://doi.org/10.17605/OSF.IO/ZVM9A>

#### Student Publications in Peer-Reviewed Journals of Undergraduate Research

1. \*Geller J & **Calin-Jageman RJ** (2012) The ecological validity of the self-explanation effect: The deleterious effect of music on self-explanations. *Modern Psychological Studies*, 17(2): 27-35.
2. \*Petrosko M & **Calin-Jageman RJ** (2012) Learning and Non-Learning Effects of Ginkgo biloba Extract EGb 761 in *Aplysia californica*. *Neurogenesis*, Fall 2012.
3. \*Lehman E (2016). [A systematic review of the use of rTMS for treatment-resistant PTSD](#). *Impulse*.
4. \*Paszek A (2017). [A meta-analysis of the efficacy of bupropion sustained release for smoking cessation in heavy smokers](#). *Impulse*.

- Calin-Jageman RJ** & Fischer TM (2004). Multiple processes contribute to environmental regulation of the *Aplysia* siphon-withdrawal reflex. *Annual Meeting of the Michigan Chapter of the Society for Neuroscience*.
- Calin-Jageman, RJ** & Fischer, TM (2005). Synaptic Augmentation Contributes to the Temporal Sensitivity of Environmental Regulation in the *Aplysia* Siphon-Withdrawal Reflex. *Biological and Computational Perspectives on Intelligent Systems*: Friday Harbor, WA.
- Calin-Jageman RJ.** & Katz PS. (2005). NeuronPM: Parameter-space mapping with Neuron. *Workshop following Fourteenth Annual Computational Neuroscience Meeting*: Madison, WI.
- Calin-Jageman RJ** (2007). Reminiscences of a sea slug past: What simple organisms have taught us about learning and memory. *Albertus Magnus Lecture Series*, River Forest, IL.
- Calin-Jageman RJ** (2008). Building an online neuroscience community. *2008 Mellon Conference: Sharing and Disseminating Innovative Approaches to Teaching Neuroscience in a Liberal Arts College*, St. Paul, MN.
- Calin-Jageman RJ** (2011). Educational Resources in Neuroscience (ERIN): Cognitive and Computational neuroscience resources. Part of the Teaching Workshop at the *Annual Meeting of the Society for Neuroscience*, Washington, DC. W26.
- Calin-Jageman RJ** & Calin-Jageman IE (2012). An Egr homolog in *Aplysia*? Identification and regulation by activity and experience. Talk given at the 2012 *Molluscan Neuroscience Meeting*, Jupiter, FL.
- Calin-Jageman RJ** (March 2016). The new statistics, open science, and replication. Smith College.
- Calin-Jageman RJ** (March 2016). What simpler animals can teach us about long term memories. Mary Elizabeth Dickason King M.D. Annual Lecture Series in the Life Sciences, Smith College.
- Calin-Jageman RJ** (September 2016). Is Science Sick? Annual Lund-Gill Lecture in the Arts and Sciences, Dominican University.
- Calin-Jageman RJ** (October 2017). Introduction to the New Statistics and Open Science: How to Get Started. Rosalind Franklin University.
- Calin-Jageman RJ** (October 2017). Introduction to the New Statistics and Open Science: How to Get Started. Indiana University Lecture Series at the Social Science Research Commons: [https://media.dlib.indiana.edu/media\\_objects/gt54kp23k](https://media.dlib.indiana.edu/media_objects/gt54kp23k)
- Calin-Jageman RJ** & Cumming G (November 2017). Alternatives to p values: The New Statistics. *American Statistical Society 2017 Conference on Statistical Inference*, Bethesda, MD.
- Calin-Jageman RJ** (2017). Sample-Size Planning, part of a Professional Development Workshop on Improving Science, *2018 Meeting of the Society for Neuroscience*, Washington, DC.
- \*Perez L, Calin-Jageman RJ & Calin-Jageman IE (2017). Transcriptional changes can outlast the decay of recall. *2018 Meeting of the Society for Neuroscience*, Washington, DC.
- Calin-Jageman RJ** & Smith T (May 2018). Teaching the New Statistics. *Annual Meeting of the Association for Psychological Science*, San Francisco, CA.

#### AWARDS AND ACHIEVEMENTS

---

- Marc Leo Amateur Comedian Scholarship, 1992

- Consol Inc. Scholar, 1994-1998
- National Merit Scholar, 1994-1998
- PNC Bank Scholastic Excellence Scholarship, 1996
- Albion College P250 Scholarship, 1996
- Albion College Presidential Scholar, 1994-1998
- Wayne State University Rumble Fellowship, 1998 and 2000
- Second place, graduate student poster competition, Wayne State Psychology Research Day, 2000
- Second place, graduate student poster competition, Wayne State Graduate Student Research Day, 2001
- Co-founder of the Wayne State Student Neuroscience Society
- First place, graduate student poster competition, annual meeting of the Michigan Chapter of the Society for Neuroscience, 2002
- Julie A. Thomas Award, Wayne State Psychology Department, 2004
- Competitive dissertation fellowship, Wayne State College of Science, 2004
- Duncan McCarthy Award, Michigan Chapter of the Society for Neuroscience, 2004
- First place, Atlanta Society for Neuroscience Poster Competition, Post-Doc Level, 2006
- Distinguished Service Award, Faculty for Undergraduate Neuroscience, 2012
- Excellence in Teaching and Leadership Award, Dominican University, 2016
- Distinguished Service Award, Faculty for Undergraduate Neuroscience, 2017

#### UNDERGRADUATE MENTORSHIP

---

##### **Awards for Undergraduate Projects Supervised**

- 2008, Faculty for Undergraduate Neuroscience Travel Award, Mary Petrosko
- 2008, Brain Science Podcast Blog Mention for her Research, Mary Petrosko
- 2009, 2<sup>nd</sup> Place, Chicago Society for Neuroscience Undergraduate Poster Award, Mary Petrosko
- 2009, SOMAS award, Benora McBride
- 2009, 3<sup>rd</sup> Place, Chicago Society for Neuroscience Undergraduate Poster Award, Kristine Bonnick
- 2013, Faculty for Undergraduate Neuroscience Travel Award, Geraldine Holmes
- 2017, 1<sup>st</sup> Place, Chicago Society for Neuroscience Undergraduate Poster Award, Leticia Perez