

CURRICULUM VITAE

Mark E. Basham

Regis University
Dept. of Psychology and Neuroscience, D-12
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Denver, CO 80212

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Current Positions:

Professor, Regis University Department of Psychology and Neuroscience
Director of the Neuroscience Program, Regis University
Board of Trustees, Silver Plume, CO

Education

Post-doctoral researcher at University of Colorado Health Sciences Center, Neuroscience Program, (1997-2001).
Ph.D. in Neuroscience, University of Rochester, Rochester, NY, (1997).
M.S. in Neuroscience, University of Rochester, Rochester, NY, (1994).
B.A. in Psychology, Carleton College, Northfield, MN, (1989).

Professional Development

Academic Impressions, Managing Difficult Faculty (2019)
Regis University Leadership Development Day
Attendee and presenter (2019)
Attendee (2018)
Regis University Leadership Institute (2016-2017)

Academic Positions

Professor – Regis University (2022 - present)
Courses: General Psychology, Introduction to Brain and Behavior, Functional Neuroanatomy and Neurophysiology, Advanced Neuroscience Methods, Neuropharmacology, Learning and Memory, Neurological Disorders, The Science and Philosophy of the Mind
Chair, Department of Psychology and Neuroscience – Regis University (2014 – 2020)
Interim Chair, Department of Psychology and Neuroscience – Regis University (2013-2014)
Associate Professor – Regis University (2012-2022)
Courses: General Psychology, Introduction to Brain and Behavior, Learning and Memory, Functional Neuroanatomy and Neurophysiology, Advanced Neuroscience Methods, Psychopharmacology, Capstone in Psychology, The Science and Philosophy of the Mind
Director of Neuroscience Program – Regis University (2008 – present)
Assistant Professor – Regis University (2006 - 2012)
Courses: General Psychology, Introduction to Brain and Behavior, Learning and Memory, Functional Neuroanatomy and Neurophysiology, Advanced Neuroscience Methods, Psychopharmacology, Capstone in Psychology
Instructor – Argosy University (2009)
Courses: Research Methods

Assistant Professor – The Metropolitan State College of Denver (2002-2006)

Courses: Introduction to Psychology, Honors Introduction to Psychology, Psychology of Learning, Research Methods, Behavioral Neuroscience, Psychopharmacology

Adjunct Professor – The University of Denver (2001-2003)

Courses: Neuropharmacology

Temporary Faculty – The Metropolitan State College of Denver (2001-2002)

Courses: Introduction to Psychology, Research Methods, Psychology of Learning

Instructor – University of Rochester (1996)

Course: Laboratory in Neurosciences

Lecturer – University of Rochester (1994-1996)

Courses: Psychology of Language, Neuroanatomy (School of Medicine)

Teaching assistant – University of Rochester (1994-1995)

Course: Laboratory in Neuroscience

Teaching assistant – Boston University (1991)

Course: Motivated Behaviors

Teaching assistant - Carleton College (1988-1989)

Courses: Statistics, Experimental Methods and Design

University and Professional Service

Regis University-Wide Faculty Senate (2024 - present)

Regis College Faculty Senate Co-chair (2023-present)

Society for Undergraduate Neuroscience Directors Founding President (2023-present)

Faculty for Undergraduate Neuroscience Public Policy Committee (2022-present)

Regis College Academic Integrity Review Board (2016-present)

Regis College Summer Advisor (2007-present)

Front Range Neuroscience Group Executive Council (2009-2023)

Regis University Academic Council (2016-2022)

Chair (2020-2021)

Founding Chair (2016-2017)

Regis College Faculty Handbook Committee (2018-2021)

Chair (2020-2021)

Regis University Faculty Mentor (2018-2021)

Regis University Strategic Plan III Committee (2019)

Regis University HLC Accreditation Committee: Criterion 2 (2017-2018)

Regis University Master Plan Task Force (2016-2018)

Regis University Academic Policies and Procedures Committee (2012-2016)

Regis University Institutional Animal Care and Use Committee (2007-2015)

Chair (2009-2015)

Regis Psi Chi faculty advisor (2008-2015)

Society for Neuroscience NeurOnLine moderator (2011-2013)

Regis Sponsored Programs and Research Committee (2010-2013)

Regis College Dean's ad hoc committee on student retention (2008-2009)

Regis College Academic Policies and Standards Committee (2008-2009)

Psi Chi Regional Steering Committee (2007-2009)

Regis Neuroscience Club faculty advisor (2007-2009)

Manager of Regis Animal Care Facility (2006-2009)

Regis Physics Advisory Panel (2006-2009)

MSU Denver Neuroscience Journal Club faculty advisor (2005)

Auraria Library Faculty Advisory Committee (2002-2005)
MSU Denver Research Club faculty advisor (2002-2005)
MSU Denver Spring Conference Steering Committee (2001-2005)
 Chair (2004-2005)
MSU Denver Outstanding Student Awards Committee (2001-2005)
MSU Denver Faculty Senator (2003-2004)
MSU Denver Research Pool Coordinator (2003)

Publications (*indicates undergraduate student)

- Eagleman, D. & Downar, J. with contributions by Basham, M. (2024). *Brain and behavior: A cognitive neuroscience perspective*. Oxford University Press.
- Ansburg, P.I., Basham, M.E., & Gurung, R.A.R. (2021). *Thriving in academia: Building a career at a teaching-focused institution*. American Psychological Association.
- Basham, M.E. & Ansburg, P.I. (2020, March 5). New Faculty: Making the Transition from Graduate School to a Primarily Undergraduate Institution. Interview by Sarah Seigle Peatman, *Academic Impressions*.
- Sanders, C.E., Basham, M.E., & Ansburg, P.I. (2008). Building a Sense of Community in Undergraduate Psychology Departments in B. Perlman, L. I. McCann, & S. H. McFadden (Eds.), *Lessons Learned, Vol 3* (pp. 285-294) Washington, DC: Association for Psychological Science.
- Sanders, C.E., Basham, M.E., & Ansburg, P.I. (2006). Building a Sense of Community in Undergraduate Psychology Departments. *American Psychological Association Observer*(19)5.
- Seeds, N.W., Basham, M.E., & Ferguson, J. (2003). Absence of tissue plasminogen activator gene or activity impairs mouse cerebellar motor learning. *Journal of Neuroscience*, 23(19): 7368-7375.
- Seeds, N. & Basham, M. (2003). Tissue plasminogen activator expression and activity are required for mouse cerebellar motor learning. In Proceedings of the 16th Congress of the International Society of Fibrinolysis and Proteolysis (ISFP) in conjunction with the 17th Workshop of the International Fibrinogen Research Society (IFRS). Munich, Germany, *Thrombosis & Haemostasis*. 89(4), 596-764.
- Basham, M.E. & Seeds, N.W. (2001). Plasminogen expression in the neonatal and adult mouse brain. *Journal of Neurochemistry*, 77(1), 318-325.
- Singh, T.D., Basham, M.E., Nordeen, E.J., & Nordeen, K.W. (2000). Early sensory and hormonal experience modulate age-related changes in NR2B mRNA within a forebrain region controlling avian vocal learning. *Journal of Neurobiology*, 44(1), 82-94.
- Seeds, N.W., Basham, M.E., & Haffke, S.P. (1999). Neuronal migration is retarded in mice lacking the tissue plasminogen activator gene. *Proceedings of the National Academy of Sciences of the United States of America*. 96(24), 14118-14123.

- Basham, M.E., Sohrabji, F., Singh, T.D., Nordeen, E.J., & Nordeen, K.W. (1999). Developmental regulation of NMDA receptor 2b subunit mRNA and ifenprodil binding in the zebra finch anterior forebrain. *Journal of Neurobiology*, 39(2), 155-167.
- Basham, M.E., Nordeen, E.J., & Nordeen, K.W. (1996). Blockade of NMDA receptors in the anterior forebrain impairs vocal learning in the zebra finch (*Poephila Guttata*). *Neurobiology of Learning and Memory*, 66, 295-304.
- Frye, C.A., Duncan, J.E., Basham, M., & Erskine, M.S. (1996). Behavioral effects of 3 alpha-androstanediol II: Hypothalamic and preoptic area actions via a GABAergic mechanism. *Behavioural Brain Research*, 79(1-2), 119-130.
- Tobet, S.A., Basham, M.E., & Baum, M.J. (1993). Estrogen receptor immunoreactive neurons in the fetal ferret forebrain. *Developmental Brain Research*, 72, 167-180.
- Cherry, J.A., Basham, M.E., & Baum, M.J. (1991). Neonatal testosterone masculinizes sexual behavior without affecting the morphology of the dorsal preoptic/anterior hypothalamic area of female ferrets. *Brain Research*, 546, 321-328.
- Cherry, J.A., Basham, M.E., Weaver, C.E., Krohmer, R.W., & Baum, M.J. (1990). Ontogeny of the sexually dimorphic male nucleus in the preoptic/anterior hypothalamus of ferrets and its manipulation by gonadal steroids. *Journal of Neurobiology*, 21(6), 844-857.

Presentations (* indicates undergraduate student)

- Basham, M.E., Ansborg, P.I., & Gurung, R.A.R. (2024, April). *How to Prepare for a Teaching-Focused Career: The FAQs*. Presented at the Rocky Mountain Psychological Association Conference. Denver, CO
- Basham, M.E., Fox, C., Hartvigsen, S., Rouse, M., & Shah, A. (2023, July). *Training the Trainers of the Next Generation of Neuroscience Advocates*. Presented at the Faculty for Undergraduate Neuroscience Faculty Workshop. Bellingham, WA.
- Ansborg, P.I., Basham, M.E., & Gurung, R.A.R. (2022, October). *Take Control of Service Before it Takes Control of You*. Presentation at the Society for the Teaching of Psychology Annual Conference on Teaching. Pittsburgh, PA.
- Garner, B. (host). (2022, January 25 & February 1). Three guests, amazing content (No. 118, 119). [podcast episode]. In *Digital2Learn*, Center for Learning and Innovation at Indiana Wesleyan University. <https://digital2learn.podbean.com/>
- Basham, M.E., Ansborg, P.I., & Gurung, R.A.R. (2022, August). *Rekindling your career: Recovering from academic burnout*. Presentation at the American Psychological Association Annual Convention. Minneapolis, MN.
- Ansborg, P.I., Basham, M.E., & Gurung, R.A.R. (2021, October). *A successful career at a teaching-focused institution: The FAQs*. Presentation at the Society for the Teaching of Psychology Annual Conference on Teaching.

- Basham, M.E. (2021, July). *Adapting a neuroscience research program to fit a teaching focused institution*. Roundtable presentation at the Neuroscience Teaching Conference.
- Basham, M.E. (2019, November). *How to deal with difficult faculty*. Talk presented at the Association of Heads of Departments of Psychology Annual Conference. Atlanta, GA.
- Basham, M.E. (2019, November). *Lessons learned from experienced chairs*. Panel presentation at the Association of Heads of Departments of Psychology Annual Conference. Atlanta, GA.
- Basham, M.E. (2016, November). *The effects of cognitive enrichment and exercise on age-related cognitive decline in rats*. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
- Basham, M.E. (2015, April). *The effects of cognitive enrichment and exercise on age-related cognitive decline in rats*. Poster presented at the Regis University Celebration of Research and Scholarship Excellence. Denver, CO.
- Doering, J.*, Campbell, C.*, Fricks-Gleason, A., & Basham, M.E. (2015, April). *Methazolamide attenuates oxidative stress caused by 6-OHDA administration*. Poster presented at the Regis University Celebration of Research and Scholarship Excellence. Denver, CO.
- Basham, M.E. (2010, Dec.). *Studies of cellular and molecular mechanisms of motor learning*. Oral presentation at the annual meeting of the Front Range Neuroscience Group, Ft. Collins, CO.
- Basham, M.E. (2009, Nov.). *The Regis undergraduate neuroscience major with cellular, molecular, genetic, and cognitive program components*. Oral presentation at the annual meeting of the Front Range Neuroscience Group, Ft. Collins, CO.
- Basham, M.E., Skoch, M.L.* & Grange, E.E.* (2009, Nov.). *Cerebellum-directed aprotinin infusions inhibit plasmin activity but do not impair rat motor learning*. Poster presented at the annual meeting of the Front Range Neuroscience Group, Ft. Collins, CO.
- Basham, M.E., Skoch, M.L.* & Grange, E.E.* (2009, Nov.). *Cerebellum-directed aprotinin infusions inhibit plasmin activity but do not impair rat motor learning*. Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.
- McKenzie, L.* & Basham, M.E. (2009, Nov.). *Enriched environments protect against depression brought about by chronic mild stress and increase neuronal density in the dentate gyrus in Sprague-Dawley rats*. Poster presented at the Front Range Neuroscience Group Conference in Ft. Collins.
- Losacco, J.* & Basham, M.E. (2009, Nov.). *Effects of pretreatment with clozapine on spatial memory of rats with lesioned dorsal hippocampi*. Poster presented at the Front Range Neuroscience Group Conference in Ft. Collins.

- Basham, M.E. (2009, June). *The role of tissue-type plasminogen activator in rodent motor learning*. Talk given as invited speaker to the Marquette University's Integrative Neuroscience Research Center seminar series, Milwaukee, WI.
- Sirrine, M.*, Ansborg, P.I. & Basham, M.E. (2008, April). *Psi Chi Roundtable: How to Keep the "Psi Chi Ball" Up in the Air: Pointers for Student Officers, Officers-To-Be, and Faculty Advisors Involved With Psi Chi*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Boise, ID.
- Ansborg, P.I., Landrum, E. & Basham, M.E. (2008, April) *Psi Chi Symposium: Getting Into Grad School*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Boise, ID.
- Basham, M.E. & McColl, R. (2007, April). *Mythbusters: The academic edition*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Denver, CO.
- Basham, M.E. (2006, May). *One bird, three stones: A comparison of three methods for teaching Psychology of Learning*. Poster presented at the annual meeting of the American Psychological Society, New York, NY.
- Basham, M.E., Henry, B., & Ansborg, P.I. (2006, April). *Going beyond classroom instruction: Getting the most out of your undergraduate education*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Park City, UT.
- Basham, M.E., Domenech Rodríguez, M., & Ansborg, P.I. (2006, April). *Psychological bliss: Finding your niche within psychology*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Park City, UT.
- Basham, M.E. (2005, November). *Graduate programs in experimental psychology/neuroscience*. Psi Chi professional development conference, Denver, CO.
- Basham, M.E., Sanders, C.E., & Ansborg, P. I. (2005, April). *Building a sense of community in psychology departments*. Symposium presented at the annual meeting of the Rocky Mountain Psychological Association, Phoenix, AZ.
- Basham, M.E. (2005, March). *Identifying and applying to graduate programs in experimental psychology/neuroscience*. Talk presented at the annual MSCD Psi Chi Professional Development Conference, Denver, CO.
- Ansborg, P. & Basham, M. (2005, February). What can you do? When can you do it? And who can you do it with? A workshop on ethics in teaching and research. In *Ethics and Survival Skills*. Seminar series for faculty and staff on the Auraria Campus, Denver, CO.

- Basham, M.E. (2004, October). *Issues related to teaching Introductory Psychology*. Workshop presented as part of the MSCD Psychology Department Part-time faculty seminar series, Denver, CO.
- Basham, M.E. (2004, November). *Graduate school and careers in neuroscience*. Talk presented at the annual MSCD Psi Chi Professional Development Conference, Denver, CO.
- Basham, M.E. & Ansborg, P.I. (2004, June). *Plagiarism: Students report much more than faculty detect*. Poster presented at the annual meeting of the American Psychological Society, Chicago, IL.
- Randell, C., Basham, M., Lockwood, L., & Farrell, J.* (2004, April). *Engaging psychology students in behavioral neuroscience courses*. Poster presented at the annual meeting of the Rocky Mountain Psychological Association, Reno, NV.
- Basham, M.E. & Ansborg, P.I. (2004, April). *Faculty and student perceptions of plagiarism*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Reno, NV.
- Martinez, E.* & Basham, M. (2004, April). *Correlations of successful retention of information*. Poster presented at the American Association for the Advancement of Science – Southwest and Rocky Mountain Division Annual Meeting, Denver, CO.
- Basham, M.E. (2003, April). *Academic honesty*. Seminar for the MSCD Academy for Teaching Excellence, Denver, CO.
- Basham, M.E. (2002, September). *Dealing with plagiarism at Metropolitan State College of Denver*. Workshop presented as part of the MSCD Psychology Department Part-time faculty seminar series, Denver, CO.
- Seeds, N. & Basham, M. (2002, Sept.). *Tissue plasminogen activator expression and activity are required for mouse cerebellar motor learning*. Poster presented at the 16th Congress of the International Society for Fibrinolysis & Proteolysis, Munich, Germany.
- Basham, M.E. & Seeds, N.W. (2000, Nov.). *Cerebellar infusions of plasminogen activator inhibitor type 1 impair mouse motor learning*. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
- Seeds, N.W., Basham, M.E., & Ferguson, J.W.* (2000, Nov.). *Absence of tissue plasminogen activator gene impairs mouse cerebellar motor learning*. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
- Basham, M.E. & Seeds, N.W. (1998, Nov.). *RT-PCR reveals plasminogen mRNA in the mouse cerebellum*. Poster presented at the annual meeting of the Society for Neuroscience, Los Angeles, CA.

- Basham, M.E., Nordeen, E.J., & Nordeen, K.W. (1997, Oct.). *Developmental regulation of ifenprodil binding in zebra finch anterior forebrain*. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
- Nordeen, K.W., Basham, M.E., & Nordeen, E.J. (1996, Nov.). *Developmental regulation of NMDA receptor modulatory subunits in male zebra finch*. Poster presented at the annual meeting of the Society for Neurosciences, Washington, DC.
- Basham, M.E., Nordeen, E.J., Haber, S.N., & Nordeen, K.W. (1996, Nov.). *Developmental regulation of mRNA for the NMDAR1 subunit in zebra finches*. Poster presented at the annual meeting of the Society for Neurosciences, Washington, DC.
- Basham, M.E., Nordeen, E.J., & Nordeen, K.W. (1995, Nov.). *Sensory acquisition in zebra finches requires activation of NMDA receptors in the anterior forebrain*. Poster presented at the annual meeting of the Society for Neurosciences, San Diego, CA.
- Tobet, S.A., Basham, M., Fox, T.O., & Baum, M.J. (1991, Nov.). *Estrogen-receptor immunoreactive neurons in the forebrain of adult male and female ferrets*. Poster presented at the annual meeting of the Society for Neurosciences, New Orleans, LA.
- Tobet, S.A., Basham, M., & Baum, M.J. (1991, June). *Estrogen-Binding Neurons in the Sexually Dimorphic/Anterior Hypothalamic Area of Embryonic and Adult Ferrets*. Poster presented at the annual meeting of the Endocrine Society, Washington, DC.
- Cherry, J.A., Basham, M.E., Weaver, C.E., Krohmer, R.W., & Baum, M.J. (1990, Oct.). *Ontogeny of the sexually dimorphic male nucleus in the preoptic/anterior hypothalamus of ferrets and its manipulation by gonadal steroids*. Poster presented at the annual meeting of the Society for Neurosciences, St. Louis, MO.

Peer Reviewer for the Following Journals, Conferences, and Granting Agencies

Front Range Neuroscience Group Conference (2006-2022)
 National Science Foundation Graduate Research Fellowship Program (panelist: 2014, 2015)
 Psi Chi Journal of Psychological Research
 Rocky Mountain Psychological Association Conference
 Journal of Undergraduate Neuroscience Education

Textbook Reviewer

Cacioppo & Freberg. *Discovering Psychology: The Science of Mind*. Cengage Learning.
 Comer & Gould. *Psychology Around Us*. John Wiley & Sons.
 Eagleman & Downar. *Brain and Behavior*. Oxford University Press.
 Gluck, Mercodo, & Meyers. *Learning and memory: From Brain to Behavior*. Worth.
 Kolb & Whishaw. *Introduction to Brain and Behavior*. Worth.
 Lilienfeld, Lynn, Nam, & Woolf. *Psychology: From Inquiry to Understanding*. Allyn & Bacon.
 Meyer & Quenzer. *Psychopharmacology*. Sinauer

Mentoring - Student Presentations (as Faculty Sponsor)

- Peck, M. (March 2024). *Neuroanatomical bases of semantics and determinants of meaning*. Honors thesis oral presentation.
- Urquhart, R. (April 2019). *The movement towards personalized medicine: Pharmacogenomics for diagnosis and treatment in mood disorders*. Honors thesis oral presentation.
- Skowronski, K. (March 2019). *Unintended consequences: The potential impact of expectations on members of the armed forces*. Honors thesis oral presentation.
- Nguyen, K. (May 2017). *Of rats and men: A discussion of the relationship between sleep, environment, and anxiety*. Honors thesis oral presentation.
- Nguyen, L. (May 2017). *Stopping Parkinson's disease with phenylbutyrate: The science, the history, and the miles left to FDA approval*. Honors thesis oral presentation.
- Koneval, Z. (May 2016). *PTSD and cannabinoids: A paradox*. Honors thesis oral presentation.
- Doering, J. (April 2015). *Methazolamide attenuates oxidative stress caused by 6-OHDA administration*. Honors in Neuroscience thesis presentation.
- Doherty, S. (March 2014). *The effect of rats on human compassion*. Honors thesis oral presentation.
- Nitta, M.E. (April 2013). *Affective empathy: Exploring prosocial behavior in neuroscience*. Honors thesis oral presentation.
- Haun, R. (April 2013). *The rescue of Jones: The false human/animal distinction, and worth in the animal kingdom*. Honors thesis oral presentation.
- Kniss, J.R. (May 2012). *Propranolol: A treatment for posttraumatic stress disorder (PTSD) or a breach in neuroethics?* Honors thesis oral presentation.
- Márquez, H. (April 2011). *Priming and the brain: An unexpected case of reverse priming*. Honors thesis oral presentation.
- Murphy, K. & Falconi, S. (Dec. 2010). 'Program Blitz' oral presentation about the Regis Neuroscience Program at the annual meeting of the Front Range Neuroscience Group, Ft. Collins, CO.
- Brimberry, T. (Aug. 2010). *Let the music play? The effect of musical genre and musical knowledge on reading comprehension and brain wave activity*. Oral thesis defense.
- Losacco, J. (April 2010). *Effects of pretreatment with clozapine on spatial memory of rats with lesioned dorsal hippocampi*. Oral presentation at the Regis Student Scholarship and Research Symposium. – Justin won the award for the best oral presentation at this symposium.
- Losacco, J. (April 2010). *Effects of pretreatment with clozapine on spatial memory of rats with lesioned dorsal hippocampi*. Honors thesis oral presentation.
- Naszowska, K. (April 2009). *The effects of housing environment on drug addiction in mice*. Poster presented at the Regis University Student Research Symposium.
- Naszowska, K. (April 2009). *The effects of housing environment on drug addiction in mice*. Honors thesis oral presentation.
- McKenzie, L. (April 2009). *Enriched environments protect against depression brought about by chronic mild stress and increase neuronal density in the dentate gyrus in Sprague-Dawley rats*. Poster presented at the Regis University Student Research Symposium.
- McKenzie, L. (April 2009). *Enriched environments protect against depression brought about by chronic mild stress and increase neuronal density in the dentate gyrus in Sprague-Dawley rats*. Honors thesis oral presentation.

Healy, C. (April 2008). *A study of g-factor intelligence in correlation with gray matter volume, white matter volume, and neuron density in the cerebral cortex.* Honors thesis oral presentation.

Grants

- 1998-2001 NRSA Post-doctoral fellowship #MH12142
- 2007 Regis FDC travel grant, \$876.43 – Society for Neuroscience Conference, San Diego, CA
- 2007 Regis FDC convention grant, \$145 – Rocky Mountain Psychological Association Conference, Denver, CO
- 2008 Regis SPARC grant, \$2,000 – The role of plasmin in rat motor learning.
- 2008 Regis FDC travel grant, \$1,200 – Society for Neuroscience Conference, Washington, DC
- 2009 Regis FDC travel grant, \$905.88 – Society for Neuroscience Conference, Chicago, IL
- 2009 Regis Faculty Development Committee grant, \$300 – Neuroscience research.
- 2010 Regis SPARC grant, \$754.15 - Breeding program for LDLr -/- mice.
- 2010 Regis SPARC grant, \$4,246.51 - The effects of training on cognitive reserve in aged rats. Note: this grant was awarded, but not spent and returned to SPARC.
- 2011 Regis FDC travel grant, \$1,225.50 – Annual Spring Conference of Neuroscience Departments and Programs, Washington, DC
- 2011 Regis SPARC grant, \$3,109 - The effects of training on cognitive reserve in aged rats.
- 2012 Regis FDC travel grant, \$1,200 - Annual Spring Conference of Neuroscience Departments and Programs, Washington, DC
- 2013 Regis FDC travel grant, \$1,200 – American Psychological Association Conference, Honolulu, HI
- 2013 Regis FDC small research grant, \$274.98
- 2014 Regis URSC grant, \$5000 – Behavioral and Cellular Effects of Learning on Cognitive Decline in Rats.
- 2016 Regis FDC travel grant, \$1,200 – Annual Society for Neuroscience Conference, San Diego, CA
- 2018 Regis FDC travel grant, \$1,200—Association of Heads of Departments of Psychology Annual Conference, Atlanta, GA
- 2019 Regis FDC travel grant, \$1,200—Association of Heads of Departments of Psychology Annual Conference, Atlanta, GA
- 2021 Regis FDC travel grant, \$1,200—Annual Conference on Teaching, Louisville, KY
- 2022 Regis FDC travel grant, \$1,150—Rocky Mountain Psychological Association Conference, Salt Lake City, UT
- 2022 Regis FDC travel grant, \$1,200—American Psychological Association Annual Convention, Minneapolis, MN

Research in Progress

- The Role of Proteases in Rodent Motor Learning
- The Effects and Mechanisms of Cognitive Enhancement on Cognitive Decline in Aged Rats

Professional Organizations

- American Psychological Association
- Association for Neuroscience Departments and Programs
- Association of Heads of Departments of Psychology
- Faculty for Undergraduate Neuroscience
- Front Range Neuroscience Group (executive council 2009-2022)
- Nu Rho Psi
- Psi Chi

Rocky Mountain Psychological Association

Sigma Xi

Society for Neuroscience (NeurOnLine moderator 2011-2013)

Society for Undergraduate Neuroscience Directors (Founding President 2023-present)