

Aaron G. Roseberry

Associate Professor
Neuroscience Institute & Department of Biology
College of Arts & Sciences
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A) EDUCATION:

- | | |
|------|---|
| 2000 | PhD in Pharmacology & Toxicology, Northwestern University, Chicago, IL |
| 1996 | MS in Exercise & Sport Science, Colorado State University, Fort Collins, CO |
| 1994 | BA in Chemistry, Northwestern University, Evanston, IL |

B) PROFESSIONAL CREDENTIALS:

1) Academic Positions/Employment:

- | | |
|--------------|---|
| 2020-present | Associate Professor, Neuroscience Institute, Georgia State University |
| 2020-present | Adjunct Associate Professor, Department of Biology, Georgia State University |
| 2018-2020 | Associate Professor, Department of Biology, Georgia State University |
| 2018-present | Core Member, Center for Neuroinflammation and Cardiometabolic Disorders, Georgia State University |
| 2017-present | Adjunct Assistant Professor, Department of Physiology, Medical College of Georgia, Augusta University |
| 2010-2020 | Associate Member, Neuroscience Institute, Georgia State University |
| 2010-2018 | Assistant Professor, Department of Biology, Georgia State University |
| 2014-2018 | Core Member, Center for Obesity Reversal, Georgia State University |
| 2008-2010 | Assistant Professor, Department of Biomedical Sciences, Marquette University, |

2007-2008	Scientist, The Coca-Cola Company
2005-2006	Research Assistant Professor, The Vollum Institute, Oregon Health & Sciences University
2004-2005	Post-Doctoral Fellow, The Vollum Institute, Oregon Health & Sciences University
2000-2004	Post-Doctoral Fellow, The Rockefeller University

2) Professional Society Memberships:

2002-present	Member, Society for Neuroscience
2011-present	Councilor, Atlanta Chapter of the Society for Neuroscience
2018-present	Member, American Physiological Society

C) SCHOLARSHIP AND PROFESSIONAL DEVELOPMENT:

1) Publications:

Refereed Publications:

20. Dunigan AI, Olson DP, and **Roseberry AG**. Afferent and efferent connections of VTA MC3R neurons. *Manuscript currently under review*.
19. Dunigan AI, Olson DP, and **Roseberry AG**. VTA MC3R neurons control feeding and body weight in an activity and sex-dependent manner. *Manuscript currently under review*.
18. West KS, Lawson V, Swanson A, Dunigan AI, and **Roseberry AG**. (2019) Amphetamine biphasically regulates binge intake of fat and sucrose independent of sex. *Obesity*. 24 (11), 1874-1882. PMID: 31562706 (*V Lawson was a high school student in the ION program).
17. Mitchell N and **Roseberry AG**. (2019) Effects of cocaine and fasting on the Intake of Individual Macronutrients in Rats. *Front Neurosci*. 13:805. Doi: 10.3389/fnins.2019.00805 (*N Mitchell was an undergraduate student)
16. West KS, Lu, C, Olson DP, and **Roseberry AG**. (2019) Alpha-MSH increases the activity of MC3R-expressing neurons in the ventral tegmental area. *J Physiol*. 597 (12), 3217-3232. doi: 10.1113/JP277193. PMID: 31054267, PMCID: PMC6666402.
15. Hannapel R, Ramesh J, Ross A, LaLumiere R, **Roseberry AG**, and Parent MP (2019). Postmeal optogenetic inhibition of dorsal or ventral hippocampal pyramidal neurons increases future intake. *eNeuro*, Jan/Feb; 6(1).doi: 10.1523/ENEURO.0457-18.2018. eCollection 2019 Jan-Feb. PubMed PMID: 30693314; PubMed Central PMCID: PMC6348449.
14. West, KS and **Roseberry AG** (2017) Neuropeptide Y Alters VTA Dopamine Neuron Activity through both Pre- and Post-Synaptic Mechanisms, *J Neurophysiol*, 118 (1), 625-633. (**Featured on the *Journal of Neurophysiology* twitter feed.)
13. Shanmugarajah L, Dunigan AI, Frantz KJ, and **Roseberry AG** (2017) Altered Sucrose Self-Administration Following Injection of Melanocortin Receptor Agonists and Antagonists into the Ventral Tegmental Area, *Psychopharmacology*, 234 (11), 1683-1692.

12. Stuhrman, K and **Roseberry, AG** (2015) Neurotensin Inhibits Both Dopamine-and GABA-Mediated Inhibition of Ventral Tegmental Area Dopamine Neurons. *J Neurophysiol* 114, 1734-1745.
11. **Roseberry, AG** Dunigan, A and Stuhrman, K (2015) Regulation of the Mesocorticolimbic and Mesostriatal Dopamine Systems by α -Melanocyte Stimulating Hormone and Agouti-Related Protein. *Neurosci Biobehav Rev* 56, 15-25.
10. **Roseberry, AG** (2015) Acute Fasting Increases Somatodendritic Dopamine Release in the Ventral Tegmental Area. *J Neurophysiol* 114, 1072-1082.
9. Yen, HH, and **Roseberry, AG** (2015) Decreased Consumption of Rewarding Sucrose Solutions After Injection of Melanocortins into the Ventral Tegmental Area of Rats, *Psychopharmacology* 232, 285-294.
8. **Roseberry, AG**, (2013) Altered Feeding and Body Weight Following Melanocortin Administration to the Ventral Tegmental Area in Adult Rats. *Psychopharmacology*, 226, 25-34.
7. **Roseberry, AG***, Painter, T, Mark, GP and Williams, JT (2007). Decreased Vesicular Somatodendritic Dopamine Stores in Leptin-Deficient Mice. *J Neurosci* 27, 7021-7027. (* corresponding author)
6. Pinto, S*, **Roseberry, AG***, Liu, H*, Diano, S, Shanabrough, M, Cai, X, Friedman, JM, and Horvath, TL (2004). Rapid Rewiring of Arcuate Nucleus Feeding Circuits by Leptin. *Science* 304, 110-115. (* equal authorship)
5. **Roseberry, AG**, Liu, H, Jackson, AC, Cai, X, and Friedman, JM (2004). Neuropeptide Y-Mediated Inhibition of Proopiomelanocortin Neurons in the Arcuate Nucleus Shows Enhanced Desensitization in *ob/ob* Mice. *Neuron* 41, 711-722.
4. Liu, H, Kishi, T, **Roseberry, AG**, Cai, X, Lee, CE, Montez, JM, Friedman, JM, and Elmquist, J.K. (2003). Transgenic Mice Expressing Green Fluorescent Protein Under the Control of the Melanocortin-4 Receptor Promoter. *J Neurosci* 23, 7143-7154.
3. **Roseberry, AG** and Hosey, MM (2001). Internalization of the M₂ Muscarinic Acetylcholine Receptor Proceeds Through an Atypical Pathway in HEK293 Cells That is Independent of Clathrin and Caveolae. *J. Cell Science* 114, 739-746.
2. **Roseberry, AG**, Bünemann, M, Elavunkal, J, and Hosey, MM (2001). Agonist-Dependent Delivery of M₂ Muscarinic Acetylcholine Receptors to the Cell Surface Following Pertussis Toxin Treatment. *Mol Pharmacol* 59, 1256-1268.
1. **Roseberry, AG** and Hosey, MM (1999). Trafficking of M₂ muscarinic acetylcholine receptors, *J. Biol. Chem.* 274, 33671-33676.

Invited Reviews:

2. Bünemann, M, Lee, KB, Pals-Rylaarsdam, R, **Roseberry, AG**, and Hosey, MM (1999). Desensitization of G-protein coupled receptors in the cardiovascular system. *Ann. Rev. Physiol.* 61, 169-92.
1. Hosey, MM, Pals-Rylaarsdam, R, Lee, KB, **Roseberry, AG**, Benovic, JL, Gurevich, VV, and Bünemann, M (1999). Molecular events associated with

the regulation of signaling by M₂ muscarinic receptors. *Life Sciences* 64, 363-368.

2) Research Support:

Ongoing Research Support:

1. NIH R01DK115503. NIH/NIDDK. Role: PI. "VTA MC3R neurons in the control of feeding and body weight." Total costs = \$1,863,880 2/1/2018 - 1/31/2023
2. 1R03DA041377-01A1. NIH/NIDA. Role: PI. "Input-specific regulation of dopamine neuron activity by nicotine and cocaine." Total costs = \$148,925 5/1/2017 – 4/30/2019. (In NCE)
3. 1R01DK114700-01A1. NIH/NIDDK. Role: Co-Investigator. "Hippocampal Modulation of Energy Intake." Total costs = \$1,174,889. 9/3/2018 – 6/30/2021. Effort = 0.5 summer months.

Completed Research Support:

10. GSU Brains & Behavior Seed Grant. "VTA MC3Rs in the control of feeding and body weight." Role: PI. \$30,000; 7/1/2017 – 6/30/2018.
9. Center for Obesity Reversal Seed Grant, Georgia State University. "Ventral tegmental area MC3R neurons controlling feeding and body weight." Role: PI. \$20,000; 7/1/2016-6/30/2017.
8. Brains & Behavior Program Seed Grant, Georgia State University. "αMSH regulation of dopamine circuits in the control of feeding and body weight" 7/1/2015-6/30/2016. Role: PI. \$30,000
7. Brains & Behavior Program Seed Grant, Georgia State University. "Cellular Regulation of Mesolimbic Dopamine Neuron Activity by Melanocortins"; 7/2013-6/2014. Role: PI. \$27,000
6. Faculty Mentored Grant, Georgia State University. "Melanocortin System Regulation of Dopamine 'Reward' Pathways Controlling Feeding, Body Weight, and Obesity." 7/2013-6/2014. Role: PI. \$25,000
5. Research Initiation Grant, Georgia State University. "Effect of Melanocortins on Dopamine Neurons Controlling Feeding and Body Weight." 7/2012-6/2013. Role: PI. \$10,000
4. Summer Faculty Fellowship, Marquette University. "Effects of Feeding-Related Neuropeptides on Dopamine Neuronal Activity and Food Intake." 2009-2010. Role: PI.
3. K01DK070931. "Feeding and the Regulation of Dopamine Neuronal Activity"; Mentored Research Scientist Development Award; NIH, NIDDK. 2005-2006. Role: PI
2. F32DK61176: National Research Service Award Post-doctoral Fellowship. 2002-2004
1. NRSA T32 GM08061: National Research Service Award Pre-doctoral Fellowship; Cell and Molecular Basis of Disease Training Grant Fellow, Northwestern University. 1998-2000

3) Invited Seminars:

10. Department of Pharmacology, St. Louis University School of Medicine. February, 2019.
9. The Vollum Institute, Oregon Health and Sciences University, John Williams Symposium. July, 2018.
8. Georgia State University, Department of Biology. February 10, 2017.
7. Georgia State University, Tim Bartness Memorial Symposium. September 24, 2016.
6. Georgia State University, Department of Biology. November 14, 2014
5. Georgia State University Undergraduate Research Course (Biol4970). September 16, 2011
4. Georgia State University, Neuroscience Institute. January 18, 2011
3. University of Wisconsin, Platteville, Department of Biology. April 24, 2010
2. Keynote Address: Marquette University Dental School Research Day. February 24, 2010
1. Marquette University Integrative Neuroscience Research Center. March, 2009

4) Presentations at Professional Meetings:

2. Dunigan A and Roseberry AG (2017) The Role of Ventral Tegmental Area Melanocortin 3 Receptor-Expressing Neurons in the Regulation of Feeding and Body Weight. Poster presentation to be presented at the Annual Meeting of the Society for Neuroscience. Washington, D.C.
1. Stuhrman K and **Roseberry AG** (2016) Neuropeptide-Y Directly Inhibits Ventral Tegmental Area Dopamine Neurons Through Activation of G-protein Coupled Inwardly Rectifying Potassium Channel Currents. Poster presentation at the Annual Meeting of the Society for Neuroscience. San Diego, CA.

5) Significant Professional Service:

4. Ad hoc reviewer, NIH MNPS Study Section (5 times, 2018-2019)
3. Reviewing Editor, *Frontiers in Neural Circuits*, 2015-present
2. Ad Hoc Grant Reviewer:
 - The University of Michigan Diabetes Research Center and the Center for Diabetes Translational Research, 2015
 - Asked to serve on NSF-IOS Animal Behavior Review Panel, 2016; not able to serve due to conflict
 - Asked to serve on NSF-IOS Neural Systems Review Panel, 2016; not able to serve due to conflict
1. Ad Hoc Manuscript Reviewer:
 - Science Advances, European Journal of Neuroscience, Journal of Neurochemistry, eNeuro, Obesity, International Journal of Obesity, European Neuropsychopharmacology, Scientific Reports, Neuropeptides, Peptides, American Journal of Physiology: Regulatory, Integrative, & Comparative Physiology, Neuroscience Letters, Journal of Neuroscience Research, British Journal of Nutrition, Frontiers in Pharmacology, Frontiers in Human Neuroscience, Frontiers in Cell and Developmental Biology, Frontiers in Pediatrics, Frontiers in Neuroscience: Neuroendocrine science, Frontiers in*

Neuroscience: Endocrine science, Frontiers in Physiology, BBA - Biochimica et Biophysica Acta (BBA), Synapse, Psychoneuroendocrinology, Journal of Integrative Neuroscience, Membranes, Journal of Reward Deficiency Syndrome, Journal of Molecular Pathophysiology, Canadian Journal of Physiology & Pharmacology, Anatomical Record

6) Honors & Awards:

1. Nominated for Outstanding Junior Faculty Award, College of Arts & Sciences, Georgia State University, 2015
2. Student Travel Award Recipient from the American Society for Pharmacology and Experimental Therapeutics (ASPET); 2000
3. Gramm Travel Fellowship Award Recipient from the Robert H. Lurie Comprehensive Cancer Center, Northwestern University, 2000
4. Finalist: Student Poster Competition at the 12th Chicago Signal Transduction Symposium, 1999

7) Collaborations & Specialized Activities:

Collaborations:

1. Marise Parent (GSU, Neuroscience); Role of the melanocortin system in hippocampal function and memory. In this collaboration, we are examining the role of the hippocampus in the cognitive influence over feeding. This project was recently funded by an R01 award from the NIDDK.
2. Kyle Frantz (GSU, Neuroscience); Role of dopamine circuits in food and drug self-administration. In this collaboration we have examined how melanocortin neuropeptides act in the VTA to affect reinforcement for sucrose pellets.
3. Deborah Baro (GSU, Biology); Role of monoamine-enabled homeostats in circuit function. In this collaboration, we will perform electrophysiology studies to examine homeostatic plasticity in both the hippocampus and dorsal root ganglia.
4. Elliott Albers & Kyle Frantz (GSU, Neuroscience); Role of oxytocin and vasopressin acting in the VTA on social reward. In this collaboration we will perform electrophysiology studies in the VTA to examine sex differences in the response of dopamine neurons to oxytocin and vasopressin.

Prior collaborations:

5. Aras Petrulis and Geert de Vries (GSU, Neuroscience); Role of BNST arginine vasopressin neurons in social behavior. In this collaboration we have performed electrophysiological studies to help examine the role of arginine vasopressin neurons in the posterior BNST in social behavior.
6. Tim Bartness & Johnny Garretson (GSU, Biology); Role of efferent sensory nerves innervating white adipose tissue
7. Andrew Butler (St. Louis University School of Medicine); Melanocortin-3 receptor regulation of physical activity and metabolism

Specialized Activities:

3. Center for Neuroinflammation and Cardiometabolic Disorders, Core member, 2018-present

2. Center for Behavioral Neuroscience, Next Generation Faculty Program member, 2016-present
1. Center for Obesity Reversal, Core member, 2014-2018

8) General Recognition in Discipline:

3. Interviewed for an article in Men's Health discussing methods to lose weight and keep from regaining it. February, 2019.
<https://www.menshealth.com/health/a19523452/5-reasons-you-re-not-losing-weight/>
2. Interviewed for an article in the Huffington Post discussing a recent study on a diet approach involving regular periods of very restricted feeding, September 2017. https://www.huffingtonpost.com/entry/breaks-diet-lose-weight_us_59c0702de4b0f22c4a8c0bb7?74v
1. Interviewed for an article in the Huffington Post discussing a recent study on weight regain in contestants on *The Biggest Loser* television program, May 2016. (mentioned in "Georgia State in the Headlines" on May 12, 2016)
http://www.huffingtonpost.com/entry/the-biggest-loser-study-on-weight-loss-obesity_us_5728c4bae4b096e9f08f29e2

D) TEACHING, INCLUDING ADVISING:

1) Classes Taught:

1. BIOL2110K—Human Anatomy and Physiology (formerly BIOL1110K)
-Spring 2016, Spring 2017, Spring 2018, Spring 2019
2. BIOL6102/NEUR6010—Neurobiology
-Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019
3. BIOL1110K—Human Anatomy and Physiology (5 Semesters)
-Fall 2010, Fall 2011, Spring 2013, Spring 2014, Spring 2015
4. BIOL8110/BIOL8310—Concepts in Neurobiology/Concepts in Cell Physiology: "New & Emerging Techniques in Cell Physiology and Neurobiology" (1 Semester)
-Spring 2012
5. BIOL8700—Biology Graduate Seminar (1 Semester)
-Spring 2012
6. BIOL8800—Research
-Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall, 2016, Fall 2017, Fall 2019, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019, Summer 2012, Summer 2013, Summer 2014, Summer 2015, Summer 2016, Summer 2017, Summer 2018, Summer 2019
7. BIOL6900—Directed Lab Study
- Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Summer

- 2011, Summer 2012, Summer 2013, Summer 2014, Summer 2015,
Summer 2016, Summer 2017, Summer 2018, Summer 2019
8. BIOL8999—Thesis Research
- Spring 2012, Spring 2016, Summer 2012, Summer 2013, Summer 2014,
Spring 2019
 9. BIOL6999—Directed Readings
-Spring 2013
 10. BIOL9999—Doctoral Dissertation Research
-Fall 2016, Fall 2017, Fall 2018, Fall 2019, Spring 2017, Spring 2018,
Spring 2019, Summer 2016, Summer 2017, Summer 2018, Summer
2019
 11. BIOL9992—Doctoral Research Proposal
-Fall 2019
 12. NEUR8800—Master’s Research
-Fall 2018, Spring 2019
 13. NEUR8810—Directed Lab Study
-Fall 2015, Fall 2016, Fall 2017, Fall 2018, Spring, 2015, Spring 2016,
Spring 2017, Spring 2018, Spring 2019, Summer 2015, Summer 2016,
Summer 2017, Summer 2018
 14. NEUR9910—Advanced Research
-Fall 2015, Spring, 2015, Summer 2015
 15. NEUR9920—Advanced Directed Readings
-Fall 2015
 16. NEUR9999—Dissertation Research
-Fall 2016, Fall 2017, Spring 2016, Spring 2017, Spring 2018, Summer
2016, Summer 2017, Summer 2019

2) Guest Lectures:

1. NEUR8600—Responsible Conduct in Research
-Lecture on ‘Data’
-Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018
2. BIOL4241—Hormones and Behavior
-Fall 2017

3) Research Advisor:

Postdoctoral Fellows:

1. Andrew Swanson (2018-present)

PhD Students:

8. Susan Lee (Neuroscience, 2019-present; rotation)
7. Connor Gallimore (Neuroscience, 2019-present; rotation)
6. Georgia Bastos (Neuroscience, 2019; rotation)
5. Anna Dunigan (Biology; 2013-present)
4. Ramyani De (Biology, 2019; rotation)
3. Katherine Stuhrman (Neuroscience; 2012-2018)
2. Matthew Logan Davis (Neuroscience; 2013; rotation)

1. Dereka Moore (Biology, 2011-2012; switched labs in 2012 due to ethical issues working with vertebrate animals)

MS Students:

15. Jin Moo Kim (2019-present)
14. Keyon Emami (2018-2019; Neuroscience 4+1 dual degree student)
13. Dane Benedict (2017-2018; research volunteer)
12. Jennifer Mendez (2015-2016; I took over as her advisor after Dr. Bartness's death)
11. Berenice Arias (2016; research volunteer)
10. Melissa Lange (2016-2018)
9. Ashley Gray (2016-2017; research volunteer)
8. Alma Nieto (2015-2016; research volunteer)
7. Megan Gravitt (2014, research volunteer)
6. Victoria Menendez (2015, research volunteer; graduated non-thesis option, 2015)
5. Laranci Shanmugarajah (2013-2015; graduated 2015)
4. Venkata Radhakishen Jayanti (2012-2014)
3. Tuo-Chia Wu (CMU-GSU dual degree program; 2012-2013; graduated 2013)
2. Haw-Han Yen (2011-2013; graduated 2013)
1. Danielle Mankin (2011-2012; graduated 2012)

Undergraduate Students:

6. Geneva Manganiello (2019-present)
5. Keyon Emami (2017-2018)
4. Nia Mitchell (GSU Presidential Scholar; 2015-2019)
3. Eve Lutrell (GSU Netzl Scholar; 2014-2016)
2. Shanterra Grable (GSU University Scholar; 2012-2014)
1. Emily Prince (BRAIN program participant; 2011)

4) Committee Memberships:

PhD Dissertation Committees:

15. Christopher Searles (Neuroscience, 2019-present)
14. Yarely Hoffiz (Neuroscience, 2018-present)
13. Anna Dunigan (Chair, Biology, 2015-present)
12. Lori Forster (Neuroscience, 2017-present)
11. Marissa Seamon (Augusta University, Advisor: Ruth Harris; 2017-2019)
10. Meghyn Welch (Biology, 2016-present)
9. Greg Suess (Neuroscience; 2016-present)
8. Christopher Johnson (Biology; 2014-2019)
7. Reilly Hannapel (Neuroscience, 2017-2018)
6. Katherine Stuhrman (Chair, Neuroscience; 2014-2018)
5. Anna Parker (Biology; 2014-2017)
4. Ngoc Ly Nguyen (Biology; 2015-2017)
3. Johnny Garretson (Neuroscience; 2013-2016)
2. Emily Bruggemann (Neuroscience; 2014-2016)

1. Max Oginsky (Biology; 2011)

MS Thesis Committees:

13. Andrew Jacobs (2018-2019)
12. Samantha Bowden (2017-2019)
11. Sonia Thompson (2016-2017)
10. Michael Nunnely (2015-2017)
9. Joseph Bush (2015-2016)
8. Anne Kristal Bayani (2014-2015)
7. Eleen Zarebidaki (2013-2015)
6. Yang Liu (2011-2012)
5. Jennifer Mendez (2014-2016; took over as Chair after Dr. Bartness's death)
4. Laranci Shanmugarajah (Chair, 2013-2015)
3. Venkata Radhakishen Jayanti (Chair, 2012-present)
2. Haw-Han Yen (Chair, 2011-2013)
1. Danielle Mankin (Chair, 2011-2012)

MS Non-Thesis Research Paper (BIOL8888) Advisor:

9. Alma Nieto (2017)
8. Melissa Lange (2017)
7. Corine Richard (2017)
6. Berenice Arias (2016)
5. Victoria Menendez (2015)
4. NaShayla Evans (2015)
3. Kyle Coffee (2015)
2. Tuo Chia Wu (2013)
1. Maurissa Mesirow (2011-2012)

MS Non-Thesis Research Paper (BIOL8888) Reader:

12. Carl Dalmeus (2019)
11. Selin Atlas (2018)
10. Mingli Feng (2018)
9. Casey Seldon (2017-2018)
8. Sasha Guillory (2017)
7. Megan Middlebrooks (2016)
6. Polina Shvidkaya (2015)
5. Michael Alex Thomas (2013)
4. Melissa Cheney (2013)
3. Sharani Jayaratne (2012)
2. Shi Pu (2012)
1. Dong Sun Lee (2011)

Qualifying Exam Committees:

11. Felipe Silva (Biology, 2019)
10. Miranda Movahed (Biology, 2019)
9. Marissa Seamon (Augusta University, 2018)

8. Sean Carr (Biology, 2018)
7. Hao Xing (Biology, 2018)
6. Meghyn Welch (Biology, 2016)
5. Fenfen Li (Biology, 2015)
4. Ngoc-Ly Nguyen (Biology, 2014)
3. Joseph Terranova (Neuroscience, 2014)
2. Johnny Garretson (Neuroscience, 2013)
1. Richard Campbell (Biology, 2012)

1st Year Advisory Committee Member:

12. Morgan Goeden (Neuroscience, 2019)
11. Connor Gallimore (Neuroscience, 2019)
10. Georgia Bastos (Neuroscience, 2019)
9. Katherine Stuhrman (Neuroscience)
8. Anna Dunigan (Biology)
7. Ngoc-Ly Nguyen (Biology)
6. Meghyn Welch (Biology)
5. Blaine Lewis (Neuroscience)
4. Michael (Alex) Thomas (Biology)
3. Dereka Moore (Biology)
2. Mary Schneider (Biology)
1. Matthew Logan Davis (Neuroscience)

E) SERVICE:

1) Department Service:

13. Neurobiology and Behavior Area Director (2019-2020)
12. Managed Brains & Behavior and NBB foundation accounts (2019-2020)
11. Brains & Behavior Ambassador for Biology (2018-2020)
10. Space Committee (Biology, 2018-2019)
9. Bylaws Committee (Biology, 2018-2019)
8. Awards Committee (Biology, 2018-2019)
7. Initial review committee for Non-tenure track faculty review for promotion (2018)
6. Generated Neurobiology & Behavior Brochure for PhD graduate student recruitment (Biology, 2014)
5. Obesity Reversal 2CI Fellowship Committee (2013-2014)
4. Hosted speakers for Biology department seminar series (BIOL8700)
-9 total (4 in 2012; 1 in 2013; 3 in 2014; 1 in 2017)
3. Graduate recruitment committee (Biology, 2012)
2. Graduate recruitment task force (Biology, 2012)
1. Communications Committee (Biology, 2012)

2) Assistance to Colleagues:

2. Letter of support/collaboration for Colleague's Grant Application:
-Irene Weber (Biology, 2012)

- Aras Petrulis (Neuroscience, 2015, 2016)
- Marise Parent (Neuroscience, 2015, 2016)
- 1. Review of Colleague's/Student's Manuscripts & Grant Applications
 - Ngoc Ly Nguyen's manuscript (2016; student in Tim Bartness/Bingzhong Xue's lab)
 - Ngoc Ly Nguyen's American Heart Association fellowship application (2016; student in Tim Bartness/Bingzhong Xue's lab)

3) College & University Service:

11. Executive Committee (Neuroscience Institute; 2018-2020)
10. Chair of Brains and Behavior Seed Grant Review Committee (2018)
9. Institutional Animal Care and Use Committee (2017-present)
8. Center for Behavioral Neuroscience Next Generation Faculty Program: New Scholars Cluster Postdoc Selection Committee (2016-present)
7. Institutional Animal Care and Use Committee: Alternate member (2015-2017)
6. Research & Facilities Committee (Neuroscience Institute; 2011-2019)
5. Neuroscience Institute Core Faculty Search Committee (2016, 2017-2018, 2019-2020)
4. Neurogenomics 2CI faculty search committee (2012-2013 & 2013-2014)
3. GSU Undergraduate Research Conference Judge (2013, 2014, 2015, 2018, 2019)
2. Ad Hoc Grant Reviews:
 - Brains & Behavior Seed Grant Review committee (2019)
 - Brains & Behavior Seed Grant Reviewer (2 grants reviewed each in 2011, 2012, 2013, and 2014)
 - Center for Obesity Reversal Seed Grant Reviewer (2017)
1. Brains & Behavior Fellowship Committee (ad hoc; ongoing)

4) Contribution to Professional Organizations:

1. Councilor, Atlanta Chapter of the Society for Neuroscience (2011-present)

5) Community Participation:

1. Brain Bee: Exam Coordinator (2015)
2. Science outreach: Give presentations at local elementary schools (ongoing)