

## Allison Anacker, Ph.D.

Lecturer

Undergraduate Neuroscience Program, Department of Psychological Science  
University of Vermont

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### EDUCATION

Ph.D. Behavioral Neuroscience, Behavioral Genetics track, Oregon Health & Science University, December 2012

B.S. with honors, Cellular and Molecular Biology, Humboldt State University, 2006  
Minors in Chemistry and Psychology

A.S. Biology, Santa Rosa Junior College, 2002

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### RELATED EXPERIENCE AND EMPLOYMENT

Lecturer, Undergraduate Neuroscience Program, Department of Psychological Science, **University of Vermont**, 2017-present

Faculty Associate, Center for Teaching and Learning, **University of Vermont**, 2020-present

Postdoctoral Research Fellow, Department of Child and Adolescent Psychiatry, **Columbia University** and **New York State Psychiatric Institute**, 2015-2017  
Genetics of mouse models of autism  
Advisor: Jeremy Veenstra-VanderWeele, M.D.

Eveillard Postdoctoral Fellow/Instructor, Neuroscience Program, **Smith College**, 2013-15  
Epigenetic regulation and neural mechanisms of seasonally changing social behavior in meadow voles  
Undergraduate instructor (see Teaching Experience below)  
Advisor: Annaliese K. Beery, Ph.D.

Graduate Student, Department of Behavioral Neuroscience, **Oregon Health & Science University**, 2007-2012  
Dissertation: Interactions between social relationships and alcohol drinking in prairie voles  
Advisor: Andrey E. Ryabinin, Ph.D.

“Sabbatical” training in the laboratory of Larry J. Young, Ph.D., **Emory University and Yerkes National Primate Research Center**, 2009  
Conducted the partner preference test with voles

Biologist, Gene Expression Laboratory, **Rosetta Inpharmatics** (Subsidiary of Merck), 2006-2007  
High-throughput microarray hybridization

Undergraduate research experience, **Humboldt State University**, 2005-2006  
Genetic analysis and taxonomic classification of novel prokaryotes isolated from a hot, acidic lake  
Advisor: Mark S. Wilson, Ph.D.

Intern, **Ondine Research Laboratories**, 2005  
Tested efficacy of new antibacterial treatments

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## TEACHING EXPERIENCE

Instructor, HCOL 085: **Engaging the Public With Scientific Communication**, University of Vermont  
A first-year Honors course focused on developing writing and critical thinking skills.

Instructor, NSCI 096: **First Year Neuroscience Seminar**, University of Vermont  
A seminar course orienting first year students to the UVM neuroscience community through faculty research presentations and student panels.

Co-Instructor, NSCI 111: **Exploring Neuroscience**, University of Vermont  
A sophomore-level course introducing students to foundational topics in neuroscience, emphasizing reading from the primary literature.

Facilitator, NSCI 112: **Exploring Neuroscience Laboratory**, University of Vermont  
A graduate teaching assistant-led sophomore level laboratory course introducing students to foundational topics and research approaches in neuroscience, emphasizing development of scientific writing.

Instructor, PSYS 215: **Physiological Psychology**, University of Vermont  
An upper-level laboratory and lecture course introducing students to behavioral neuroscience and research techniques, and scientific literature review.

Instructor, PSYS 216: **Psychopharmacology**, University of Vermont  
An upper-level course on research techniques and findings in the field of psychopharmacology, emphasizing research from the primary literature and writing.

Instructor, PSYS 220 (Previously NSCI/PSYS 295): **Behavioral Genetics**, University of Vermont  
An upper-level course on research techniques and findings in the field of behavioral genetics, emphasizing research from the primary literature, presentations, and writing.

Instructor, NSCI 270: **Diseases of the Nervous System**, University of Vermont  
A senior capstone course emphasizing analysis and presentation of research from the primary literature, scientific writing, and career building skills.

Instructor, **Honors Enrichment Credit**, University of Vermont  
An additional experience for honors students to enrich their engagement and learning in an upper-level course.

Developer and facilitator, **Faculty Job Application Workshop**, Columbia University

Postdoctoral Society

A workshop providing postdocs actively applying for academic faculty positions with information and skills to develop their application packages.

Instructor, Nsc 230: **Experimental Methods in Neuroscience**, Smith College

A sophomore level laboratory-based course introducing students to molecular and behavioral research techniques, independent research experiments, and scientific reading and writing.

Instructor, Nsc 312: **Seminar in Neuroscience: Reward, Addiction and the Brain**, Smith College

A senior level seminar course based on discussion of primary literature examining the causes, mechanisms and consequences of addiction.

Developer and facilitator, **STEM Graduate School Application Workshop series**, Smith College

A workshop series providing college students actively applying for graduate schools in STEM fields with information and skills to succeed.

Instructor, **Making Connections**, Summer Science and Engineering Program, Smith College

A two-week course for high school students from all over the world, introducing them to behavioral neuroscience concepts and laboratory methods.

Developer and facilitator, **STEM Pre-professional Workshop series**, Smith College

A workshop series providing college students with information and skills to apply for jobs and graduate school.

Supplemental course facilitator, **Genetics**, Humboldt State University

Tutor, **Introduction to Biology, Genetics, Microbiology**, Humboldt State University

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## GUEST LECTURES

Guest video chat, ENGS 005/040: **Harry Potter**, University of Vermont, Fall 2020, "What's in the Pensieve? What is a memory?"

Invited guest lecturer, NSCI 296: **Model Systems in Neuroscience**, University of Vermont, Spring 2020, "A Day in the Life of a Vole Researcher"

Invited guest lecturer, AP Biology: **Neuroendocrinology**, Northampton High School, Spring 2014

Invited guest lecturer, Psy/Nsc 210: **Introduction to Neuroscience**, Smith College: "Addictive drugs: hijacking endogenous reward pathways"

Invited guest lecturer, Psych 210: **Animal Models of Human Behaviors and Disorders**,

undergraduate course at Pacific University: “Modeling human social behaviors in animals”

Guest lecturer, **Essentials of Molecular and Medical Genetics**, graduate course at OHSU:  
“Variation in individuals: mutations and polymorphisms”

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## **OFFERINGS AS CENTER FOR TEACHING AND LEARNING FACULTY ASSOCIATE**

Individual consultations

Active Learning in Remote Synchronous Classes: Integrating Effective Pedagogy and Technology, 2021

Radical Hope book club, 2020

Sharing Stories: Faculty Reflections on Teaching in Fall 2020

Student Voices Panel Discussion: Building Classroom Connection During a Pandemic, 2020

“What would you do differently next time?” Harnessing the power of students’ reflections on their work, 2020

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## **PROFESSIONAL DEVELOPMENT**

Neuroscience Teaching Conference, 2021

POD Network Annual Conference, 2020

Choice working group, Center for Teaching and Learning, UVM, 2020

Peer-Review working group, Writing in the Disciplines, UVM, 2019

Trans\* In College Book Club, Center for Teaching and Learning, UVM, 2019

Designing for Learning workshop, Center for Teaching and Learning, UVM, 2019

Responding to Writing workshop, Writing in the Disciplines, UVM, 2018

Large Enrollment Courses workshop, Center for Teaching and Learning, UVM, 2018

An Introduction to Evidence Based Undergraduate STEM Teaching, Coursera online course affiliated with the Center for the Integration of Research, Teaching, and Learning, 2015

Transitioning to Research Independence, Columbia University, 2015

RewirED: harness the power of technology to make learning environments effective and engaging, Columbia University, 2015

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## **SERVICE**

Faculty Advisor, Neuro Club, University of Vermont, 2018-present

Research and Professional Development Committee, Columbia University Postdoc Society, 2017

Facilitator, Postdoc Peer Mentoring Group, Columbia University Medical Center, 2015-16

Organizer, STEM Career Development Committee, Smith College, 2013-14

Co-organizer, Center for Neuroendocrine Studies Symposium, University of Massachusetts Amherst, 2013

Co-founder, OHSU Women in Science, 2012  
Student Coordinator, OHSU Research Week, 2012  
Chair, OHSU Student Research Forum, 2011  
Secretary, Graduate Student Organization, 2010-11  
Poster Session Chair, OHSU Student Research Forum, 2010  
Organizer, Neuroactive Steroids and Neuropeptides Journal Club, 2009-2012

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## **MENTOR FOR STUDENT THESES**

Hollie Dowd, Neuroscience Senior Thesis, Barnard College, 2018  
Anastasiya Vasilyeva, Neuroscience Senior Thesis, Barnard College, 2018  
Sarah Winokur, Neuroscience Honors Thesis, Smith College, 2015  
Elyssa LaFlamme, Neuroscience Honors Thesis, Smith College, 2015  
Alexandra MacColl Garfinkel, Senior Internship, Lewis & Clark College, 2011

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## **STUDENT THESIS / DISSERTATION COMMITTEES**

Francesca Carasi-Schwartz, Master's Thesis, University of Vermont, 2022  
Hannah Schoenberg Book, Doctoral Dissertation, University of Vermont, 2021  
Gillian Bremer, Honors Thesis, University of Vermont, 2021  
Abigail Wootton, Honors Thesis, University of Vermont, 2020  
Lauren Bausch, Honors Thesis, University of Vermont, 2019  
Izabella Ostrowski, Honors Thesis, University of Vermont, 2019  
Maddy Powell, Honors Thesis, University of Vermont, 2019

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## **RESEARCH SUPPORT**

T32MH016434, 2015-2017. Translational research in child psychiatry. Columbia University and New York State Psychiatric Institute  
Stipend and travel support through NIH-sponsored training grant  
Eveillard Postdoctoral Fellowship, 2013-14. Smith College.  
2 year fellowship including salary and \$5000 research funds  
Society for Women's Health Research Donald G. and Darel Stein Fellowship, 2012.  
Funding for presentation at the Society for Neuroscience annual meeting  
Tartar Fellowship, 2011-12. Oregon Health & Science University  
\$2000 award for research funds to establish software for dyadic behavior analysis  
F31AA020136 Pre-doctoral National Research Service Award 2010-12. Socially-facilitated excessive alcohol drinking in a novel prairie vole model  
3 year individual award for stipend and travel support through NIH

Ashworth Graduate Training Award, 2009. Department of Behavioral Neuroscience, Oregon Health & Science University

\$1000 award for "sabbatical" training at Emory University to learn behavioral tests with voles

T32AA007468, 2008-2010. Biological bases of alcoholism. Oregon Health & Science University

1 year stipend and travel support through NIH-sponsored training grant

T32DA007262, 2007-2008. Biological bases of drug-seeking behavior. Oregon Health & Science University

9 month stipend and travel support through NIH-sponsored training grant

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## AWARDS AND HONORS

Kroepsch-Maurice Excellence in Teaching Award nomination, UVM, 2021 & 2022

Paper of the year award, OHSU Department of Behavioral Neuroscience, 2014

Research Society on Alcoholism Travel Award, June 2012

Research Society on Alcoholism Travel Award, June 2011

OHSU Student Research Forum First Place Oral Presentation, May 2011

Sigma Xi Columbia-Willamette Chapter Student Research Symposium First Place Poster Presentation, April 2011

Research Society on Alcoholism Travel Award, June 2010

OHSU Student Research Forum Second Place Oral Presentation, May 2010

National Science Foundation Graduate Research Fellowship Program Honorable Mention, 2009

Research Society on Alcoholism Travel Award, June 2009

OHSU Student Research Forum Second Place Oral Presentation, May 2009

Excellence in the Science of Poetry - Most Embarrassing Poem, Department of Behavioral Neuroscience Retreat, January 2009

Achievement Rewards for College Scientists scholarship, 2007-2010

Team Leader Award, Rosetta Inpharmatics, August 2007

BS with honors, 2006

Doyle scholarship, 2000-2002

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## OUTREACH

Women in Science at Columbia Postdoc Panel, 2016

Discussion of [The Epigenetics Revolution](#), Five College Learning in Retirement, Applewood Retirement Community, December 2014

Making Connections: An Exploration into the Nervous System, Summer Science and

Engineering Program, Smith College, Summer 2014  
“Careers Outside of Academia” workshop panelist, CNS Symposium, October 2013  
Portland Alcohol Research Center, Brain Awareness lecture, April 2012  
Career discussions with high school students, 2011-2012  
Portland Alcohol Research Center, Chapman Elementary, 2008-2011  
Science fair judge, Robert Gray Middle School, 2008-2010  
Expanding Your Horizons volunteer, Humboldt County, 2005

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## SELECT PUBLICITY

“Scientists study vole romance under the influence.” Live interview with Ira Flatow. Science Friday. April 11, 2014. <http://www.sciencefriday.com/segment/04/11/2014/scientists-study-vole-romance-under-the-influence.html>

“Two prairie voles walk into a bar... then scientists study alcohol’s effects on couples bonding.” Jennifer S. Holland. National Geographic Daily News. April 7, 2014. <http://news.nationalgeographic.com/news/2014/04/140407-prairie-voles-pair-bonding-alcohol-neuropeptides-biology-behavior/>

“A real party animal helps scientists study alcohol abuse.” Joe Rojas-Burke. The Oregonian. July 11, 2010. [http://www.oregonlive.com/health/index.ssf/2010/07/voles\\_a\\_party\\_animal\\_sheds\\_lig.html](http://www.oregonlive.com/health/index.ssf/2010/07/voles_a_party_animal_sheds_lig.html)

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## EDITORIAL ACTIVITY

*Ad hoc* reviewer for *Autism Research*, *Behavioral Brain Research*, *Physiology & Behavior*, *PLOS ONE*, *Alcohol*, *Scientific Reports*, *Molecular Neurobiology*, *Brain Research Bulletin*

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## PUBLICATIONS

\*Indicates undergraduate research student +Co-first authors

22) Schoenberg HL, \*Bremer GP, \*Carasi-Schwartz F, **Anacker AMJ**, Toufexis D, (submitted). *Cycling estrogen and progesterone during instrumental acquisition contributes to rapid habit formation in female rats.*

21) O’Reilly KC+, **Anacker AMJ**+, Rogers TD, Forsberg CG, Wang J, Zhang B, Blakely RD, Veenstra-VanderWeele J, (2020). A social encounter drives gene expression changes linked to neuronal function, brain development, and related disorders in mice expressing the serotonin transporter Ala56 variant. *Neuroscience Letters* 21(730):135027. DOI: 10.1016/j.neulet.2020.135027

20) **Anacker AMJ**, Moran JT, Santarelli S, Forsberg CG, Rogers TD, Stanwood GD, Hall BJ, Delpire E, Veenstra-VanderWeele J, Saxe MD (2019). Enhanced social dominance and altered neuronal excitability in the prefrontal cortex of male KCC2b mutant mice. *Autism Research* 12(5):732-743. DOI: 10.1002/aur.2098

- 19) Rogers TD+, **Anacker AMJ**+, Kerr T, Forsberg CG, Wang J, Zhang B, Veenstra-VanderWeele J (2017). Effects of a social stimulus on gene expression in a mouse model of fragile X syndrome. *Molecular Autism*. 8:30. PMID:PMC5481916 DOI: 10.1186/s13229-017-0148-6
- 18) Simmler L, **Anacker AMJ**, Levin MH, Vaswani NM, Gresch PJ, Nackenoff AG, Anastasio NC, Stutz SJ, Cunningham KA, Wang J, Zhang B, Henry LK, Stewart A, Veenstra-VanderWeele J, Blakely RD (2017). Blockade of the 5-HT transporter contributes to the behavioural, neuronal and molecular effects of cocaine. *British Journal of Pharmacology*. 174(16):2716-2738. PMID:PMC5522997 DOI: 10.1111/bph.13899
- 17) Muller CL, **Anacker AMJ**, Rogers TD, Goeden N, Keller EH, Wender CLA, Wang J, Anderson GM, Stanwood GD, Zhang B, Blakely RD, Bonnin A, Veenstra-VanderWeele J (2017). Maternal serotonin transporter genotype alters placental function, forebrain serotonin, and neurodevelopment. *Neuropsychopharmacology*. DOI: 10.1038/hpp.2016.166
- 16) **Anacker AMJ**, \*Christensen JD, \*LaFlamme EM, \*Grunberg DM, Beery AK (2016). Septal oxytocin administration impairs peer affiliation via V1a receptors in female meadow voles. *Psychoneuroendocrinology* 68:156-162. PMID:PMC4851907 DOI: 10.1016/j.psyneuen.2016.02.025
- 15) **Anacker AMJ**, \*Reitz KM, Goodwin NL, Beery AK (2016). Stress impairs new but not established relationships in seasonally social voles. *Hormones and Behavior* 79:52-7. DOI: 10.1016/j.yhbeh.2016.01.004
- 14) Muller CL, **Anacker AMJ**, Veenstra-VanderWeele J (2015). The serotonin system in autism spectrum disorder: from biomarker to animal models. *Neuroscience* 321:24-41. PMID:PMC4824539 DOI: 10.1016/j.neuroscience.2015.11.010
- 13) **Anacker AMJ**, Smith ML, Ryabinin AE (2014). Establishment of stable dominance interactions in prairie vole peers: relationships with alcohol drinking and activation of the paraventricular nucleus of the hypothalamus. *Social Neuroscience* 9(5):484-94. PMID:PMC4349411 DOI: 10.1080/17470919.2014.931885
- 12) **Anacker AMJ**, Ahern TH, Hostetler CM, Dufour BD, Smith ML, Cocking DL, Young LJ, Loftis JM, Ryabinin AE (2014). Drinking alcohol has sex-dependent effects on pair bond formation in prairie voles. *Proceedings of the National Academy of Sciences*, 111(16):6052-7. PMID:PMC4000860 DOI: 10.1073/pnas.1320879111
- 11) **Anacker AMJ** & Beery AK (2013). Life in groups: the roles of oxytocin in mammalian sociality. *Frontiers in Behavioral Neuroscience*, 7:185. PMID:PMC3858648 DOI: 10.3389/fnbeh.2013.00185  
Invited review for Research Topic: Oxytocin's routes in social behavior: into the 21<sup>st</sup> century.
- 10) **Anacker AMJ** & Ryabinin AE (2013). Identification of subpopulations of prairie voles differentially susceptible to peer influence to decrease high alcohol intake. *Frontiers in Pharmacology*, 4:84. PMID:PMC3701123 DOI: 10.3389/fphar.2013.00084/full
- 9) Hostetler CM, Hitchcock LN, **Anacker AMJ**, Loftis JM, Young LJ, Ryabinin AE. Comparative distribution of central neuropeptide Y (NPY) in the prairie (*Microtus*



- ochrogaster*) and meadow (*M. pennsylvanicus*) vole (2013). *Peptides*, 40:22-29. PMID:PMC3625676 DOI: 10.1016/j.peptides.2012.12.008
- 8) Hostetler CM, **Anacker AMJ**, Loftis JM, Ryabinin AE (2012). Social housing and alcohol drinking in male-female pairs of prairie voles (*Microtus ochrogaster*). *Psychopharmacology (Berl)*, 224(1):121-32. PMID:PMC3827960 DOI: 10.1007/s00213-012-2836-4
  - 7) **Anacker AMJ**, Ahern TH, Young LJ, Ryabinin AE (2012). The role of early life experience and species differences in alcohol intake in microtine rodents. *PLoS ONE* 7(6): e39753. PMID:PMC3382173 DOI: 10.1371/journal.pone.0039753
  - 6) **Anacker AMJ**, Loftis JM, Ryabinin AE (2011). Alcohol intake in prairie voles is influenced by the drinking level of a peer. *Alcoholism: Clinical and Experimental Research*, 35(10):1884-90. PMID:PMC3158264 DOI: 10.1111/j.1530-0277.2011.01533.x
  - 5) Giardino WJ, Pastor R, **Anacker AMJ**, Spangler E, Cote DM, Li J, Stenzel-Poore M, Mark GP, Phillips TJ, Ryabinin AE (2011). Dissection of corticotropin-releasing factor system involvement in locomotor sensitivity to methamphetamine. *Genes, Brain and Behavior*, 10(1):78-89. PMID:PMC3025045 DOI: 10.1111/j.1601-183X.2010.00641.x
  - 4) Ford MM, Fretwell AM, **Anacker AMJ**, Crabbe JC, Mark GP, Finn DA (2011). The influence of selection for ethanol withdrawal severity on traits associated with ethanol self-administration and reinforcement. *Alcoholism: Clinical and Experimental Research*, 35(2):326-37. PMID:PMC3058687 DOI: 10.1111/j.1530-0277.2010.01348.x
  - 3) **Anacker AMJ**, Loftis JM, Kaur S, Ryabinin AE (2011). Prairie voles as a novel model of socially-facilitated excessive drinking. *Addiction Biology*, 16(1):92-107. PMID:PMC2950896 DOI: 10.1111/j.1369-1600.2010.00234.x
  - 2) **Anacker AMJ**, Ryabinin AE (2010). Biological contribution to social influences on alcohol drinking: evidence from animal models. *International Journal of Environmental Research and Public Health* 7(2):473-493. PMID:PMC2872279 DOI: 10.3390/ijerph7020473
  - 1) Spangler E, Cote DM, **Anacker AMJ**, Mark GP, Ryabinin AE (2009). Differential sensitivity of the periolomotor urocortin-containing neurons to ethanol, psychostimulants and stress in mice and rats. *Neuroscience*, 160(1):115-25. PMID:PMC2668734 DOI: 10.1016/j.neuroscience.2009.02.030

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## INVITED RESEARCH PRESENTATIONS

**Anacker AMJ** (2017). Neurobiology of social behavior in rodent models: links with alcohol drinking or autism spectrum disorder. Biobehavioral Cluster, University of Vermont, Burlington, VT.

**Anacker AMJ** (2016). Interactions between social relationships and alcohol drinking: what can we learn from animal models? Alcohol Research Interest Group, Columbia University, New York, NY.

**Anacker AMJ** (2015). Social influences on alcohol drinking in prairie voles. Translational Approaches to Study Grief and Complicated Grief, New York, NY.

**Anacker AMJ & Ryabinin AE** (2014). For symposium: Bidirectional Effects Between Alcohol, Drugs and Social Environment in Humans and Voles: Socially Monogamous Species Compared. Research Society on Alcoholism, Bellevue, WA. *Alcoholism: Clinical and Experimental Research* 38(6S1):305A.

**Anacker AMJ & Ryabinin AE** (2014). Collaborative Perspectives on Addiction, Atlanta, GA.

**Anacker AMJ** (2012). Peer-Pressure, One-Night Stands, and Alcohol: Modeling alcohol drinking and social behaviors in prairie voles. Lewis & Clark College, Portland, OR.

**Anacker AMJ, Hostetler CM, Ryabinin AE** (2012). Alcohol intake and social bonds in prairie voles. For symposium: Alternative Animal Models in Alcohol Research. Research Society on Alcoholism, San Francisco, CA *Alcoholism: Clinical and Experimental Research* 36(6):345A.

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## ABSTRACTS / PRESENTATIONS

\*indicates undergraduate research student

**Anacker AMJ, Coutinho-Budd JC, Plouffe RBR**. A shift from tests to lower-stakes assignments in an introductory neuroscience course. 2021. Neuroscience Teaching Conference, virtual.

**Anacker AMJ, Veenstra-VanderWeele J**. Identification of overlapping cell populations responsive to social and alcohol stimuli. 2016. Research Society on Alcoholism, New Orleans, LA.

**Anacker AMJ**. Neural signatures of social behavior in mouse models of autism and sociability. 2016. Translational research in child psychiatry seminar, New York, NY.

**Anacker AMJ, Rogers TD, Veenstra-VanderWeele J**. Social encounters reveal brain region-specific gene expression changes in *Shank3* null mice. 2016. International Meeting For Autism Research, Baltimore, MD.

Simmler LD, Gresch PJ, Wang J, **Anacker AMJ**, Veenstra-VanderWeele J, Zhang B, Blakely RD. SERT inhibition modulates molecular and behavioral effects arising from non-serotonergic cocaine targets. 2015. American College of Neuropsychopharmacology,

Hollywood, FL.

**Anacker AMJ**, Rogers TD, Muller CL, Blakely RJ, Veenstra-VanderWeele J. Comparisons of gene expression in three distinct genetic mouse models of autism spectrum disorders. 2015. Columbia University and NYC ASCENT Postdoc Research and Career Symposium, New York, NY.

**Anacker AMJ**. Molecular and environmental mechanisms influencing peer social behavior in female meadow voles. 2014. Presentation for Hormones for Breakfast, University of Massachusetts, Amherst, MA.

**Anacker AMJ**. Molecular and environmental mechanisms influencing peer social behavior in female meadow voles. 2014. Presentation for Sigma Xi, Smith College chapter, Northampton, MA.

**Anacker AMJ**, \*Reitz KM, \*Gunzel ER, Beery AK. Stress inhibits partner preference in same-sex pairs of female meadow voles. Program No. 641.12. 2014 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2014. Online.

\*Christensen J, **Anacker AMJ**, Beery AK. 2014. Foul weather friends: the role of oxytocin in female meadow vole seasonal sociality. Faculty for Undergraduate Neuroscience, Washington, DC.

**Anacker AMJ**, \*Reitz KM, \*Christensen J, Beery AK. 2014. Mechanisms supporting peer social behavior between female meadow voles. Collaborative Biomedical Research Conference on the Vole, Portland, OR.

**Anacker AMJ**, Smith ML, Ryabinin AE. 2014. Establishment of stable dominance interactions in prairie vole peers: relationships with alcohol drinking and hypothalamic activity. Collaborative Biomedical Research Conference on the Vole, Portland, OR.

Cocking DL, Hostetler CM, **Anacker AMJ** & Ryabinin AE. 2014. Corticosterone administration does not rescue alcohol's disruption of pair-bonding in male prairie voles. Collaborative Biomedical Research Conference on the Vole, Portland, OR.

**Anacker AMJ** & Ryabinin AE. 2014. Establishment of stable dominance interactions in prairie vole peers: relationships with alcohol drinking and hypothalamic activity. Research Society on Alcoholism, Bellevue, WA. *Alcoholism: Clinical and Experimental Research* 38(6S1):19A.

Cocking DL, Hostetler CM, **Anacker AMJ** & Ryabinin AE. 2014. Corticosterone administration does not rescue alcohol's disruption of pair-bonding in male prairie voles. Research Society on Alcoholism, Bellevue, WA. *Alcoholism: Clinical and Experimental Research* 38(6S1):19A.

\*Reitz K, **Anacker AMJ**, Beery AK, 2014. Neuroendocrinology of stress and social behavior in female meadow voles. Celebrating Collaborations, Smith College, Northampton, MA.

**Anacker AMJ**. Alcohol drinking and social relationships in prairie voles. 2013. Presentation for Sigma Xi, Smith College chapter, Northampton, MA.

- Anacker AMJ** & Ryabinin AE. Neuropeptide levels associated with sex differences in the effect of alcohol on social bonding behavior. Program No. 559.06. 2012 Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience, 2012. Online.
- Anacker AMJ**, Ahern TH, Young LJ, Ryabinin AE. 2012. Alcohol drinking in socially monogamous prairie voles (*Microtus pennsylvanicus*). Research Society on Alcoholism, San Francisco, CA. *Alcoholism Clinical and Experimental Research* 36(6):108A.
- Anacker AMJ**, Ahern TH, Young LJ, Ryabinin AE. 2011. Alcohol self-administration prevents the expression of partner preference in a sex-specific manner in prairie voles. Society for Social Neuroscience Meeting, Washington, D.C.
- Hostetler CM, **Anacker AMJ**, Ryabinin AE. Effects of heterosexual social housing on ethanol intake in prairie voles (*Microtus ochrogaster*). Program No. 262.15. 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.
- Anacker AMJ**, Ahern TH, Young LJ, Ryabinin AE. Alcohol self-administration prevents the expression of partner preference in a sex-specific manner in prairie voles. Program No. 469.06. 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.
- Anacker AMJ**, Ahern TH, Young LJ, Ryabinin AE. 2011. Alcohol self-administration prevents the expression of partner preference in a sex-specific manner in prairie voles. NIAAA Trainee Workshop, Providence, RI.
- Anacker AMJ**, Ryabinin AE. 2011. Alcohol self-administration prevents pair bond formation in prairie voles. Research Society on Alcoholism, Atlanta, GA. *Alcoholism Clinical and Experimental Research* 35(6):122A.
- Hostetler CM, **Anacker AMJ**, Ryabinin AE. 2011. Effects of social housing and anxiety on ethanol intake in heterosexually paired prairie voles. Research Society on Alcoholism, Atlanta, GA. *Alcoholism Clinical and Experimental Research* 35(6):192A.
- Andrey Ryabinin, **Allison Anacker** & Caroline Hostetler. 2011. Modeling effects of peer pressure on alcohol drinking in prairie voles. Mechanisms of Behavior Change Satellite to Research Society on Alcoholism, Atlanta, GA.
- Anacker AMJ**, Ryabinin AE. 2011. Alcohol self-administration prevents pair bond formation in prairie voles. Addiction/Behavior and Neuroscience session, OHSU Student Research Forum, Portland, OR.
- \*McColl Garfinkel AE, **Anacker AMJ**, Ryabinin AE. 2011. Alcohol self-administration prevents pair bond formation in prairie voles. Sigma Xi Columbia-Willamette Chapter Student Research Symposium, Portland, OR.
- Anacker AMJ**, \*McColl Garfinkel AE, Ryabinin AE. 2011. Alcohol self-administration prevents pair bond formation in prairie voles. Society for Neuroscience, Oregon Chapter, McMinnville, OR.
- Anacker AMJ**, Ryabinin AE. Alcohol intake decreases in high-drinking prairie voles paired with low drinkers. Program No. 66.9. 2010 Neuroscience Meeting Planner. San Diego, CA:

Society for Neuroscience, 2010. Online.

**Anacker AMJ**, Loftis JM, Ryabinin AE. 2010. The effects of affiliative relationships on alcohol drinking in prairie voles. The Biological Underpinnings of Social Aspects of Alcohol Abuse Symposium. Research Society on Alcoholism, San Antonio, TX. *Alcoholism Clinical and Experimental Research* 34(6):259A.

**Anacker AMJ**, Ryabinin AE. 2010. Alcohol preferences increases in low-drinking prairie voles paired with high drinkers. Research Society on Alcoholism, San Antonio, TX. *Alcoholism Clinical and Experimental Research* 34(6):85A.

**Anacker AMJ**, Ryabinin AE. 2010. "Peer pressure" from a partner alters alcohol intake level in prairie voles. Addiction and behavior session, OHSU Student Research Forum, Portland, OR.

**Anacker AMJ**, Ryabinin AE. 2010. Comparison of circadian activity and ethanol elimination rates in prairie voles and C57BL/6J mice. Society for Neuroscience, Oregon Chapter, McMinnville, OR.

**Anacker AMJ**, Ryabinin AE. The effect of naltrexone on alcohol intake in a prairie vole model of alcohol self-administration. Poster 63.6. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

**Anacker AMJ**, Ryabinin AE. 2009. The effect of social affiliations or social isolation on alcohol drinking in prairie voles. Research Society on Alcoholism, San Diego, CA. *Alcoholism Clinical and Experimental Research* 33(6):220A.

Ford MM, Fretwell AM, **Anacker AMJ**, Crabbe JC, Mark GP, Finn DA. 2009. Withdrawal seizure-prone (WSP) and –resistant (WSR) mice differ in operant responding for ethanol and reinstatement following conditioned cue presentation. Research Society on Alcoholism, San Diego, CA. *Alcoholism Clinical and Experimental Research* 33(6):222A.

**Anacker AMJ**, Ryabinin AE. 2019. The prairie vole: A novel model for the effect of social affiliations on alcohol drinking. Neuroscience session, OHSU Student Research Forum, Portland, OR.

**Anacker AMJ**, Kaur S, Loftis J, Ryabinin AE. 2009. The prairie vole: A novel model for the effects of social affiliations on alcohol drinking. Oral presentation at Vole Meeting 2009, Atlanta, GA.

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