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

TEACHING EXPERIENCE

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”

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

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

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

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

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

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

EDITORIAL ACTIVITY

Ad hoc reviewer for *Autism Resea01 2 6 2* n1*

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. PMCID: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. PMCID: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/npp.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. PMCID: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. PMCID: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. PMCID: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. PMCID: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. PMCID:PMC3858648 DOI: 10.3389/fnbeh.2013.00185
Invited review for Research Topic: Oxytocin's routes in social behavior: into the 21st 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. PMCID:PMC3701123 DOI: 10.3389/fphar.2013.00084/full

9) Hostetler CM, Hitchcock LN, **Anacker AMJ**, Loftis JM, Young LJ, Ryabinin AE. Comparative distroe12 0 612 792 reW* nBT/F4 11.04 Tf1 0 0 1 181.82 140.42 Tm0 g0 G 0091fr 42 Tm0

ochrogaster) and meadow (*M. pennsylvanicus*) vole (2013). *Peptides*, 40:22-29. PMCID: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. PMCID: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. PMCID: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):1884-1905 PMCID: PMC3156792 DOI: 10.1111/j.1530-0277.2011.01537.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

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.

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,

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.

Kaur S, **Anacker AMJ**, Kapasova Z, Loftis JM, Ryabinin AE. 2009. Alcohol consumption in periadolescent voles. Vole Meeting, Atlanta, GA.

Kaur S, **Anacker AMJ**, Kapasova Z, Loftis JM, Ryabinin AE. 2008. Alcohol consumption in periadolescent voles. Society for Neuroscience, Washington, D.C. 847.3.

Hashimoto JG, **Anacker AMJ**, Wiren KM. 2008. Selected line differences in the ethanol response: gene expression differences following abstinence in male and female WSP

*Hamm L, *Kee J, ***Anacker AM**, Wilson MS, and Siering PL. 2006. N-100 isolation of heterotrophic prokaryotes from a hot, acidic lake (Boiling Springs Lake) in northern CA. American Society for Microbiology, Orlando, FL.