Curriculum Vitae (v. 5/04/2023)

Matthew M. Ford, Ph.D.

I. POSITIONS, ADDRESS & MEDIA PRESENCE

Academic Rank(s): Visiting Assistant Professor, Dept. of Psychology, Lewis & Clark College
Research Assistant Professor, Division of Neuroscience, OHSU
Assistant Professor, Dept. of Behavioral Neuroscience, OHSU

Social Media Links:

Psychology Faculty at Lewis & Clark College- https://college.lclark.edu/departments/psychology/faculty/

LinkedIn- https://www.linkedin.com/in/matthew-ford-93b4825/

Web of Science- https://www.webofscience.com/wos/author/record/609264

Scopus- https://www.scopus.com/authid/detail.uri?authorId=7202873323

ORCID- https://orcid.org/0000-0002-1204-1980

Research Gate- https://www.researchgate.net/profile/Matthew_Ford

II. EDUCATION

Bucknell University, Lewisburg, PA
B.S., Biology (1996)
Research focus: Effects of antipsychotic drugs on the reproductive system of male rats

Wake Forest University School of Medicine, Winston-Salem, NC
Ph.D., Pharmacology (2002)
Co-Advisors: Herman H. Samson, Ph.D. and J. Charles Eldridge, Ph.D.
Dissertation: Ovarian steroid modulation of ethanol self-administration in the female rat

III. PROFESSIONAL EXPERIENCE

Visiting Assistant Professor, Department of Psychology, Lewis & Clark College, Portland, OR (***2021-present***)

Adjunct Professor, Department of Psychology, Lewis & Clark College, Portland, OR (***2020-2021***)

Research Assistant Professor, Division of Neuroscience, Oregon National Primate Research Center, Oregon Health & Science University, Beaverton, OR (***2016-2020***)

Assistant Professor, Department of Behavioral Neuroscience, Oregon Health & Science University, Portland, OR (***2013-2020***)

Staff Scientist II, Division of Neuroscience, Oregon National Primate Research Center, Oregon Health & Science University, Beaverton, OR (***2012-2016***)

Research Assistant Professor, Department of Behavioral Neuroscience, Oregon Health & Science University, Portland, OR (***2007-2012***)
Faculty Mentor: Kathleen A. Grant, Ph.D.
Research focus: Nicotine modulation of ethanol consumption and discrimination (K01 award)

Postdoctoral Fellow, Oregon Health & Science University, Portland, OR (***2002-2007***)
Fellowship Mentor: Deborah A. Finn, Ph.D.
Training Concentration: Behavioral pharmacology
Research Focus: Neurosteroid modulation of ethanol intake and reward (F32 award)

IV. TEACHING & MENTORING

Teaching Philosophy:

Please see separately appended 'Teaching Statement'.

Teaching Experience:

'Introduction to Psychology' (PSY-100, Lewis & Clark College)
Role: Course director & instructor (40 undergraduates per section)
Terms Taught: Fall 2021 (1 section), Spring 2022 (2 sections).
Description: This course will provides an introductory survey of topics in psychology that incorporates the following five major themes: biological (e.g., neuroscience, sensation), cognitive (e.g., perception, memory), developmental (e.g., learning, language), social (e.g., personality, intelligence, emotion), and mental health (e.g., stress, disorders, therapies). The journey will begin with the origins of psychology as a scientific field and its evolution up to the current day. Students will then gain appreciation for the importance of observations and the scientific method in providing the framework for our current understanding of 'mind and behavior'. Students will also learn about neurons and their essential roles in communication within the nervous system, organization of the brain, and generation of behavior. While each psychological process will be studied separately, integration across themes and topics will be emphasized. Overall, this course will afford initial insights into the complexities and potential of human psychology, and help to dispel common misconceptions of our mysterious minds.

'Statistics' (PSY 200, Lewis & Clark College)
Role: Course director & instructor (30 undergraduates per section)
Terms Taught: Spring 2021 (1 section), Fall 2021 (2 sections), Fall 2022 (2 sections)
Description: This course will survey the concepts and theories behind descriptive and inferential statistics as they relate to the psychological sciences. Topics will include properties of numerical distributions, measures of central tendency, variability, correlation and regression, t-tests, analysis of variance (ANOVA), data transformations, and an introduction to non-parametric techniques. Students will become proficient in 1) applying appropriate statistical tests for a given data set, 2) utilizing open-source statistical software (Jamovi), and 3) working collaboratively in groups to produce a results section in APA format.

'Thinking, Memory and Problem Solving' (PSY-220, Lewis & Clark College)

Role: Course director & instructor (30 undergraduates per section)
Terms Taught: Spring 2021 (1 section), Spring 2022 (1 section)
Description: The goal of this course will be to provide a general overview of cognitive psychology and mental processing associated with perception, attention, memory encoding and retrieval, language use, visual imagery, problem solving and decision making. Emphasis will be placed on a combination of behavioral and physiological approaches to these mental functions. Students will apply newly learned concepts by participating in a series of cognitive experiments and sharing data collected with classmates.

'Brain and Behavior' (PSY-280, Lewis & Clark College)

Role: Course director & instructor (30 undergraduates per section)
Terms Taught: Spring 2020 (1 section), Fall 2022 (1 section)
Description: This course involved an introduction to the field of biological psychology, a subfield of neuroscience that studies the correlations between the nervous system and behavior. The importance of the brain on human cognition and behavior is explored by answering: 1) how we perceive, learn, remember, think, feel, and respond, 2) how the brain enables us to adapt and thrive in a constantly changing environment, and 3) how its malfunction can lead to neurological and psychiatric disorders.

'Psychology Methodology' (PSY-300, Lewis & Clark College)

Role: Course director & instructor (28 undergraduates)
Terms Taught: Spring 2023 (1 section)
Description: This upper-level psychology course is an introduction to research methodology. Throughout the semester students become familiar with the scientific method for conducting research, the principles and practice of research methodology across sub-disciplines of psychology, and the construction of an APA-style research article. Students participate in multiple laboratory exercises and then report their results in a collection of scientific reports. The completion of a 'sophomore' thesis is a core feature of this course. Students gain a comprehensive understanding of psychological methods. This background will be essential for all students interested in pursuing a career in psychology that is either research-focused or clinical/applied.

'Cognition' (PSY-310, Lewis & Clark College)

Role: Course director & instructor (24 undergraduates)
Terms Taught: Spring 2023 (1 section)
Description: This course is designed to give students hands-on experience in scientific thinking, reasoning, and experimentation in the area of cognitive psychology. Students read about and participate in classic experiments in human cognition, critically evaluate these experiments, discuss their implications, and examine contemporary approaches to cognition (such as neural networks, magnetic resonance imaging, nootropics, virtual reality immersion, and transcranial alternating-current stimulation). Overall, the course will allow students to directly work on and experience the types of tasks facing a modern-day research scientist in cognitive psychology.

'Neurobiology of Addiction' (BEST-639, Oregon Health & Science University)

Role: Guest instructor (35+ graduate students, postdoctoral fellows and faculty attendees)

Terms Taught: Fall 2020
Description: The goal of this course was to become familiar with the theoretical concepts and experimental approaches to investigating the molecular, cellular, and systems neurobiological mechanisms involved in addiction processes. Led a 2-hr session on the topic of '**nicotine**'. The first hour included a lecture on smoking/vaping, nicotine pharmacokinetics, animal models and routes of self-administration, measures of nicotine dependence and withdrawal, and underlying neural circuitry and neurotransmitters underlying nicotine reinforcement/reward. Facilitated a discussion of current topics and challenges in this area of research during the second hour using an example from the primary literature (Husson et al., 2020, *J Neurosci* 40:3465).

'Foundational Research on the Neurobiology of Addiction: Focus on Preclinical Models' (BEHN-610, Oregon Health & Science University)

Role: Course co-director & instructor (30+ graduate students and postdoctoral fellows)
Terms Taught: Fall 2018
Description: The learning objective of this 6-week nano-course was to expose students to central theories of addiction based on foundational and historically important pre-clinical research papers. Students acquired a depth of knowledge about animal models of addiction, an ability to communicate important findings in the field of addiction, and use critical thinking skills to assess primary literature.

'Qualifying Exam Preparation: Writing a National Research Service Award (NRSA) Fellowship Grant' (BEHN-606, Oregon Health & Science University)

Role: Course co-director & instructor (5+ 2nd year graduate students)
Terms Taught: Spring, annually between 2017-2020
Description: Class met every other Wednesday for 2-hour period throughout the term to prepare Behavioral Neuroscience graduate students for their qualifying exam, which requires students to create a research plan that broadly conforms to NIH NRSA (F31/F32 individual training grant) guidelines. The class is discussion based and covers essential elements of NRSA application, including project summary and narrative, specific aims, and research strategy sections. By the end of the term students create a complete NRSA draft that reflects multiple iterations of feedback from instructor and classmates.

'Continuing Training in the Responsible Conduct of Research' (BEHN program requirement; Oregon Health & Science University)

Role: Course co-director & instructor (40 graduate students and 10 postdoctoral fellows)
Terms Taught: 2011-2012 academic year
Description: The course involved monthly meetings to survey topics that included placebos in human subjects' research, whistleblowing and reporting of research misconduct, stem cells in research and therapy, censorship, and biosecurity.

Seminar: 'GABAergic Underpinnings of Aberrant Behavior and Disease State' (BEHN-607, Oregon Health & Science University)

Role: Course co-director & instructor (33 graduate students)
Terms Taught: Winter 2011
Description: Facilitated weekly classes for the Behavioral Neuroscience graduate program and implemented seminar-based structure. Duties included recording attendance,

evaluated student speakers, facilitating discussion of primary literature and assigning grades.

Mentoring and Advising:

Graduate Faculty member, School of Medicine, Oregon Health & Science University (2013 – 2020).

Role: Served as mentor for laboratory rotations for graduate students in the Department of Behavioral Neuroscience. Guided hands-on application of experimental techniques used in my laboratory and engaged in discussion sessions of primary literature with direct relevance to independent project chosen by the rotating student.

David Jacobs, Ph.D. (spring term, 2018)- '*Influence of TAAR1 genotype on oral nicotine self- administration in mice*'.

Sheena Potretzke, Ph.D. (winter term, 2018)- '*Efficacy of the PDE4 inhibitor, apremilast, in reducing binge-like drinking in a highly translatable, non-human primate model of alcohol self-administration*'

Thomas (AJ) Mitchell, Ph.D. (summer term, 2017)- '*GDNF gene therapy to block relapse of heavy alcohol use in monkeys'*

John Mootz, Ph.D. (fall term, 2016)- 'Application of schedule-induced polydipsia in non-human primate model of excessive alcohol consumption'

Elina Thomas, Ph.D. (summer term, 2015)- 'Exploration of behavioral withdrawal during chronic oral nicotine self-administration in non-human primates'

Oregon National Primate Research Center Summer Fellowship Program Mentor (2013-2018)

Role: Served as a mentor for one or more undergraduate fellows engaged in a research project during their 10-week apprenticeship.

Description: A limited number of competitive fellowship awards are available each summer to support undergraduate students who will enter their junior or senior year of college following the apprenticeship. Each student was 1) guided in hands-on application of experimental techniques used in my laboratory, 2) given an independent data set to analyze, and 3) then prepared for a presentation of study results of their research at the annual Summer Science Symposium at the conclusion of the fellowship period.

Jamie Leitzinger, University of North Carolina-Chapel Hill (2018): Project entitled, "TAAR1 effects on nicotine consumption in mice."

Holley Carlson-Riddle, Macalester College (2017): Project entitled, "Drinking behavior across menstrual cycle phases in cynomolgus macaques"

Jacob Schoen, Portland State University (2016)*:* Project entitled, "Neuronal pathways of addiction: alcohol and nicotine chronic administration in mice"

Divya Seth, Emory University (2016): Project entitled, "Nicotinic acetylcholine receptor (nAChR) function manipulation and its influence on ethanol & nicotine intake in mice."

Lauren Vanderhooft, Reed College (2015): Project entitled, "The 6-pack macaque: Alcohol drinking patterns throughout early pregnancy."

Natalie Cawker, University of Portland (2014): Project entitled, "Relationship between circulating progesterone and ethanol self-administration in female rhesus macaques during maintenance drinking, abstinence and relapse."

Allison Forrest, Middlebury College (2013): Project entitled, "M1 mACh receptor and $\alpha_4\beta_2$-containing nACh receptor compounds to block relapse of oral MA self-administration in mice."

Mentor for Research Volunteers

Sophia Oswald, Gonzaga University (summer, 2015) Project entitled, "Temporal relationships between ethanol and nicotine self-administration bouts during concurrent access."

Panelist for Mentoring Workshop (June, 2007)

Roles: Participated in a workshop addressing mentor/student relationships held at the annual meeting for the Research Society on Alcoholism. Approximately 30 graduate students attended the workshop.

V. SCHOLARSHIP

RESEARCH INTERESTS

Please see separately appended 'Research Statement'.

GRANTS AND CONTRACTS

NIH/NIAAA R01 AA026278 (Ferguson) 01/02/2019 – 12/31/2023
Role: Co-I
"***Distinguishing preexistent and induced epigenetic risk for alcohol use disorders***"- This study proposes to identify preexistent versus alcohol-induced DNA methylation signals in the primate brain. The functional relevance of these DNA methylation signals to AUD will be tested by manipulating target genes to alter alcohol drinking in mice. Overall, these findings will support the development of novel pharmacological treatments to curb AUD.

NIH/NIAAA P60 AA010760 (Richards) 01/01/2021 – 12/31/2025
Role: PI
"*Animal and Resource Core (core-001)*"- The Portland Alcohol Research Center (PARC) is comprised of 8 components and involves 20 Investigators who focus on the genetic and epigenetic consequences of alcohol use and the genetic risk factors involved in the etiology of alcohol use disorders. Dr. Matthew Ford will serve as leader of Core-001.

NIH/NIAAA R01 AA024757 (Ford) 05/20/2016 - 04/30/2020

***"GDNF gene therapy to block relapse of heavy alcohol use in monkeys"*- The goal of this study is to evaluate the efficacy of GDNF gene therapy in preventing relapse and the continuation of heavy drinking in a highly translatable, non-human primate model of alcohol self-administration.

Knight Cancer Institute Pilot Project (Spindel) 07/01/2019 – 06/30/2020
Role: Co-I

"The addictive and carcinogenic potential of Juuls - the new face of e-cigarette usage in middle and high school students"- These studies will provide proof of principle for developing objective measures of the cancer and addictive potential of the newest generation of e-cigarettes and provide strong preliminary data for application for NIH funding. Award amount: $40,000

NIH/NIAAA R24 AA019431 (Grant/Baker/Daunais) 09/20/2010 – 07/31/2020
Role: Co-I

"*Monkey alcohol tissue research resource (MATRR)*"- The MATRR was established to provide the alcohol research community access to tissue and data generated from cohorts of monkeys that have been subjected to the same voluntary alcohol self-administration protocol.

NIH/NIAAA P60 AA010760 (Richards) 01/01/2016 – 12/31/2020
Role: Co-I

"*Behavioral genomics of alcohol neuroadaptation (project 002): translational measures of risk for excessive alcohol consumption*"- This research center is comprised of 9 components and involves 20 Investigators who focus on the genetic and epigenetic consequences of alcohol use and the genetic risk factors involved in the etiology of alcohol use disorders. Dr. Kathleen Grant serves as leader of Project 002.

NIH/NIAAA R01 AA024757 supplement (PI, Ford) 09/29/2017-04/30/2018

***"GDNF gene therapy to block relapse of heavy alcohol use in monkeys"*-** This administrative supplement will evaluate the efficacy of the PDE4 inhibitor, apremilast, in reducing binge-like drinking in a highly translatable, non-human primate model of alcohol self-administration. Award amount: $19,220 (direct costs).

NIH/NIAAA U44 AA024905 (PI, Tabakoff) 09/01/2016-01/31/2018
Role: Sub-contract PI (year 2)

***"Nezavist a novel molecule for treatment of alcohol use disorder"*-** The objective of this work is to complete IND enabling work including pharmacology studies, cGMP manufacturing of DCUK-OEt API, oral formulation development, cGMP manufacturing of DCUK-OEt drug product, and completion of IND enabling toxicology and safety pharmacology studies. Award amount: $158,307.

NIH P51 OD011092 (ONPRC pilot: PI, Ford) 05/01/2015 – 04/30/2016

***"Development of new nicotine addiction therapies"*-** The overall goal of this pilot project is to develop methodology for initiating nicotine intake via inhalation in rhesus monkeys, and to demonstrate nicotine dependence after chronic, voluntary use of e-cigarettes. Award amount: $65,000.

NIH OD011092 (ONPRC pilot: PI, Spindel) 05/01/2012 – 04/30/2013
Role: co-I

***"Development of a model to study the co-morbidity of nicotine and alcohol addiction and role of clinically relevant genetic polymorphisms"*-** The overall goal of this project is to develop an oral

nicotine self-administration model in cynomolgus monkeys and determine how the α5 D398N single nucleotide polymorphism affects nicotine consumption. Award amount: $70,000.

NIH/NIDA P50 DA18165 (pilot PI, Ford) 07/01/2012 – 06/30/2013

Methamphetamine Abuse Research Center (MARC) pilot -This project, entitled *"Muscarinic influence on methamphetamine discrimination and intake (in mice)"* explores the utility of muscarinic receptor system manipulations in reducing self-administration of oral methamphetamine. Award amount: $27,997.

NIH/NIAAA K01 AA016849 (PI, Ford) 07/05/2007 – 12/31/2012

"Nicotine modulation of ethanol consumption and discrimination"- The overall goal of this project is to study the interactions between ethanol and nicotine at the level the subjective drug effects and self-administration. Dose-response and history of drug exposure functions are used in this examination. Award amount: $595,660.

NIH/NIAAA U01 AA13641-10 (pilot PI, Ford) 02/01/2010 – 01/31/2012

Integrative Neuroscience Initiative on Alcoholism (INIA): Stress and Anxiety of Alcohol Abuse -This pilot project, entitled *"Schedule-induced polydipsia, stress, and ethanol drinking (in mice)"* explores the use of chronic intermittent exposure to schedule-induced polydipsia as a substitute for the consortium's standard operating procedure of chronic intermittent inhalation to establish sustained ethanol self-administration in mice. Award amount: $100,000.

NIH/NIDA P50 DA18165 (pilot PI, Ford) 07/01/2010 – 06/30/2011

Methamphetamine Abuse Research Center (MARC) -This pilot project, entitled *"Muscarinic influence on methamphetamine discrimination (in mice)"* explores the utility of muscarinic receptor system manipulations in blocking the subjective effects of methamphetamine. Award amount: $24,831.

NIH/NIAAA F32 AA15234 (PI, Ford) 9/01/2004 – 08/31/2005

"Neurosteroid Modulation of Ethanol Intake and Reward" - The overall goal of this project was to study the effects of the neurosteroid allopregnanolone on ethanol reinforcement and self-administration. Award amount: $47,296.

N. L. Tartar Trust Research Fellowship (PI, Ford) 07/01/2004 – 06/30/2005

"***Examination of Neurocircuitry Underlying Neurosteroid Modulation of Alcohol Intake***"- The overall goal of this project was to examine the role of the ventral tegmental area in neurosteroid-mediated changes in ethanol drinking patterns. Award amount: $2,000.

NIH/NIDA T32 DA07262 (PI, Neve) 06/11/2002 – 06/10/2004

Role: Postdoctoral trainee

"***Biological Bases of Drug Seeking Behavior***"- The overall goal of this training grant was to permit the trainee to establish and explore an intra-cerebroventricular route of methamphetamine self-administration in mice.

PUBLICATIONS

Author Statistics*: updated 5/04/2023 (via Scopus)*

https://www.scopus.com/authid/detail.uri?authorId=7202873323

Publications = 51
H-index = 25
Citations = 2101

'My NCBI Bibliography':

http://www.ncbi.nlm.nih.gov/sites/myncbi/1NUhbbusknr5a/bibliography/40704315/public/?sort=date&direction=ascending

Peer-reviewed articles:

Ford MM, George B, Van Laar VS, Holleran KM, Naidoo J, Hadaczek P, Vanderhooft LE, Peck EG, Dawes MH, Ohno K, Bringas J, McBride JL, Samarach L, Forsayeth JR, Jones SR, Grant KA, Bankiewicz KS (2023) GDNF gene therapy for alcohol use disorder in male non-human primates. *Nature Medicine* (accepted for publication on 5/4/2023)

Cuzon Carlson VC, Aylwin CF, Carlson TL, **Ford MM**, Mesnaoui H, Lomniczi A, Ferguson B, Cervera-Juanes RP (2021) Neurobeachin, a promising target for use in the treatment of alcohol use disorder. *Addict Biol* e13107. PMID: 34699111

Wang X, Cuzon Carlson VC, Studholme C, Newman N, **Ford MM**, Grant KA, Kroenke CD (2020) In utero MRI identifies consequences of early-gestation alcohol drinking on fetal brain development in rhesus macaques. *Proc Natl Acad Sci U S A* 117:10035-10044. PMID: 32312804

Dozier BL, Stull CA, Baker EJ, **Ford MM**, Jensen JP, Finn DA, Grant KA (2019) Chronic ethanol drinking increases during the luteal menstrual cycle phase in rhesus monkeys: implication of progesterone and related neurosteroids. *Psychopharmacology* 236:1817-1828. *PMID: 30645681*

Cuzon Carlson VC, **Ford MM**, Carlson TL, Lomniczi A, Grant KA, Ferguson B, Cervera-Juanes RP (2019) Modulating the activity of GPR39, a gene differentially methylated with heavy alcohol use in macaques, curbs ethanol intake in mice. *Neuropsychopharmacology* 44:1103-1113. *PMID: 30610192*

Jimenez VA, Wang X, Newman N, Walter N, Gonzales S, Lo JO, **Ford MM**, Cuzon Carlson VC, Grant KA, Kroenke CD (2018) Detecting neurodevelopmental effects of early gestation ethanol exposure: A non-human primate model of voluntary ethanol self-administration during pregnancy. *Alcohol Clin Exp Res* 43:250-261. *PMID: 30549282*

Nipper MA, Jensen JP, Helms ML, **Ford MM**, Crabbe JC, Rossi DJ, Finn DA (2018) Genotype differences in sensitivity to the anticonvulsant effect of the synthetic neurosteroid ganaxolone during ethanol withdrawal. *Neuroscience* 397:127-137. PMID: 30513375

Allen DC, **Ford MM**, Grant KA (2018) Cross-species translational findings in the discriminative stimulus effects of ethanol. *Curr Top Behav Neurosci* 39:95-111. PMID: 28341943.

Masser DR, Hadad N, Porter HL, Mangold CA, Unnikrishnan A, **Ford MM**, Giles CB, Georgescu C, Dozmorov MG, Wren JD, Richardson A, Stanford DR, Freeman WM (2017) Sexually divergent DNA methylation patterns with hippocampal aging. *Aging Cell* 16:1342-1352. PMID: 28948711.

Mangold CA, Wronowski B, Du M, Masser DR, Hadad N, Bixler GV, Brucklacher RM, **Ford MM**, Sonntag WE, Freeman WM (2017) Sexually divergent induction of microglial-associated neuroinflammation with hippocampal aging. *J Neuroinflammation* 14:141. PMID: 28732515.

Jensen JP, Nipper MA, Helms ML, **Ford MM**, Crabbe JC, Rossi DJ, Finn DA (2017) Ethanol withdrawal-induced dysregulation of neurosteroid levels in plasma, cortex, and hippocampus in genetic animal models of high and low withdrawal. *Psychopharmacology* 234:2793-2811. PMID: 28664280.

Giardino WJ, Rodriguez ED, Smith ML, **Ford MM**, Galili D, Mitchell SH, Chen A, Ryabinin AE (2017) Control of chronic excessive alcohol drinking by genetic manipulation of the Edinger-Westphal nucleus urocortin-1 neuropeptide system. *Translational Psychiatry* 7:e1021. PMID: 28140406

Hadad N, Masser DR, Logan S, Wronowski B, Mangold CA, Clark N, Otalora L, Unnikrishnan A, **Ford MM**, Giles CB, Wren JD, Richardson A, Sonntag WE, Stanford DR, Freeman W (2016) Absence of genomic hypomethylation or regulation of cytosine-modifying enzymes with aging in male and female mice. *Epigenetics Chromatin* 9:30. PMID: 27413395

Mangold CA, Masser DR, Stanford DR, Bixler GV, Pisupati A, Giles CB, Wren JD, **Ford MM**, Sonntag WE, Freeman WM (2017) CNS-wide sexually dimorphic induction of the major histocompatibility complex 1 pathway with aging. *J Gerontol A Biol Sci Med Sci* 72:16-29. PMID: 26786204

Ford MM, Nickel JD, Strong MN, Finn DA (2014) Null mutation of 5α-reductase type I gene alters ethanol consumption patterns in a sex-dependent manner. *Behav Genet* 45:341-353. *PMID: 25416204*

Tanchuck-Nipper MA, **Ford MM**, Hertzberg A, Steele AM, Beadles-Bohling A, Gorin-Meyer R, Wiren KM, Crabbe JC, Finn DA (2014) Sex differences in ethanol's anxiolytic effect and chronic ethanol withdrawal severity in mice with a null mutation of the 5α-reductase type 1 gene. *Behav Genet* 45:354-367. PMID: 25355320

Ramaker MJ, Strong-Kaufman MN, **Ford MM**, Phillips TJ, Finn DA (2014) Effect of nucleus accumbens shell infusions of ganaxolone or gaboxadol on ethanol consumption in mice. *Psychopharmacology* 232:1415-1426. PMID: 25342197

Ramaker MJ, **Ford MM**, Phillips TJ, Finn DA (2014) Differences in the reinstatement of ethanol seeking with ganaxolone and gaboxadol. *Neuroscience* 272:180-187. PMID:24814021

Snelling C, Tanchuck MA, **Ford MM**, Cozzolia DK, Ramaker MJ, Crabbe JC, Rossi DJ, Finn DA (2014) Quantification of ten neuroactive steroids in plasma in withdrawal seizure-prone and -resistant mice during chronic ethanol withdrawal. *Psychopharmacology* 231:3401-3414. PMID:24871700

Crabbe JC, Metten P, Belknap JK, Spence SE, Cameron AJ, Schlumbohm JP, Huang LC, Barkley-Levenson AM, **Ford MM**, Phillips TJ (2014) Progress in a replicated murine selection for elevated blood ethanol concentrations after high drinking in the dark. *Gene Brain Behav* 13:236-246. PMID:24219304

Ford MM, Davis NL, McCracken AD, Grant KA (2014) Contribution of NMDA glutamate and nicotinic acetylcholine receptor mechanisms in the discrimination of ethanol-nicotine mixtures. *Behav Pharmacol 24:617-622.* *PMID:23928692*

Ford MM, Steele AM, McCracken AD, Finn DA, Grant KA (2013) The relationship between adjunctive drinking, blood ethanol concentration and plasma corticosterone across fixed-time intervals of food delivery in two inbred mouse strains. *Psychoneuroendocrinology 38:2598-2610.* *PMID:23827168*

Leigland LA, **Ford MM**, Lerch JP, Kroenke CD (2012) The influence of fetal ethanol exposure on subsequent development of the cerebral cortex as revealed by magnetic resonance imaging. *Alcohol Clin Exp Res 37:924-932*. PMID: 23442156

Ford MM, McCracken AD, Davis NL, Ryabinin AE, Grant KA (2012) Discrimination of ethanol-nicotine drug mixtures in mice: dual interactive mechanisms of overshadowing and potentiation. *Psychopharmacology* 224:537-548. PMID: 22763667

Ramaker MJ, Strong MN, **Ford MM**, Finn DA (2012) Effect of ganaxolone and THIP on operant and limited-access ethanol self-administration. *Neuropharmacology* 63:555-564. PMID: 22613838

Shabani S, Dobbs LK, **Ford MM**, Mark GP, Finn DA, Phillips TJ (2012) A genetic animal model of differential sensitivity to methamphetamine reinforcement. *Neuropharmacology* 62:2168-2176. PMID: 22280875

Ramaker MJ, **Ford MM**, Fretwell AM, Finn DA (2011) Alteration of ethanol drinking in mice via modulations of the $GABA_A$ receptor with ganaxolone, finasteride, and gaboxadol. *Alcohol Clin Exp Res* 35:1994-2007. PMID: 21649668

Tanchuck MA, Yoneyama N, **Ford MM**, Fretwell AM, Finn DA (2011) Assessment of GABA-B, Metabotropic Glutamate and Opioid Receptor Involvement in an Animal Model of Binge Drinking. *Alcohol* 45:33-44. PMID: 20843635

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 self-administration and ethanol reinforcement *Alcohol Clin Exp Res* 35:326-337. PMID: 21070250

Pastor R, Kamens HM, McKinnon CS, **Ford MM**, Phillips TJ (2010) Repeated ethanol administration modifies sucrose intake patterns in mice: Effects associated with behavioral sensitization. *Addiction Biology* 15:324-335. PMID: 20624153

Tanchuck MA, Long SL, **Ford MM**, Hashimoto J, Crabbe JC, Roselli CE, Wiren KM, Finn DA (2009) Selected line difference in the effects of ethanol dependence and withdrawal on allopregnanolone

levels and 5α-reductase enzyme activity and expression. *Alcohol Clin Exp Res* 33:2077-2087. PMID: 19740134

Ford MM, Fretwell AM, Nickel JD, Mark GP, Strong MN, Yoneyama N, Finn DA (2009) The influence of mecamylamine on ethanol and sucrose self-administration. *Neuropharmacology* 57:250-258. PMID: 19501109

Gililland KR, Tanchuck MA, **Ford MM**, Crabbe JC, Beadles-Bohling AS, Snelling C, Mark GP, Finn DA (2008) The neurosteroid environment in the hippocampus exerts bi-directional effects on seizure susceptibility in mice. *Brain Research* 1243:113-123. PMID: 18840414

Finn DA, Mark GP, Fretwell AM, Gililland KR, Strong MN, **Ford MM** (2008) Reinstatement of ethanol and sucrose seeking by the neurosteroid allopregnanolone in C57BL/6 mice. *Psychopharmacology* 201:423-433. PMID: 18758755

Ford MM, Yoneyama N, Strong MN, Finn DA (2008) Inhibition of 5α-Reduced Steroid Biosynthesis Impedes Acquisition of Ethanol Drinking in Male C57BL/6J Mice. *Alcohol Clin Exp Res* 32:1408-1416. PMID: 18565155

Ford MM, Nickel JD, Eddy S, Finn DA (2008) Ethanol intake patterns in female C57BL/6J mice: Influence of allopregnanolone and the inhibition of its synthesis. *Drug & Alcohol Dependence* 97:73-85. PMID: 18486362

Yoneyama N, Crabbe JC, **Ford MM**, Murillo A, Finn DA (2008) Voluntary Ethanol Consumption in 22 Inbred Mouse Strains. *Alcohol* 42:149-160. PMID: 18358676

Ford MM, Mark GP, Phillips TJ, Finn DA (2007) Allopregnanolone influences the consummatory processes that govern ethanol drinking in C57BL/6J mice. *Behav Brain Res* 179:265-272. PMID: 17376546

Ford MM, Mark GP, Finn DA (2007) Influence of reinforcement schedule on ethanol consumption patterns in non-food restricted male C57BL/6J mice. *Alcohol* 41:21-29. PMID: 17452296

Rhodes JS, **Ford MM**, Yu CH, Brown LL, Finn DA, Garland Jr. T, Crabbe JC (2007) Mouse inbred strain differences in ethanol drinking to intoxication. *Genes Brain Behav* 6:1-18. PMID: 17233637

Ford MM, Nickel JD, Finn DA (2005) Treatment with and withdrawal from finasteride alters ethanol intake patterns in male C57BL/6J mice: potential role of endogenous neurosteroids? *Alcohol* 37:23-33. PMID: 16472716

Ford MM, Nickel JD, Phillips TJ, Finn DA (2005) Neurosteroid modulators of $GABA_A$ receptors differentially modulate ethanol intake patterns in male C57BL/6J mice. *Alcohol Clin Exp Res* 29:1630-1640. PMID: 16205363

Ford MM, Eldridge JC, Samson HH (2004) Determination of an estradiol dose-response relationship in the modulation of ethanol intake. *Alcohol Clin Exp Res* 28:20-28. PMID: 14745299

Finn DA, Sinnott RS, **Ford MM**, Long SL, Tanchuck MA, Phillips TJ (2004) Sex differences in the effect of ethanol injection and consumption on brain allopregnanolone levels in C57BL/6 mice. *Neuroscience* 123: 813-819. PMID: 14751275

Ford MM, Eldridge JC, Samson HH (2002) Ethanol consumption in the female Long-Evans rat: a modulatory role of estradiol. *Alcohol* 26:103-113. PMID: 12007585

Ford MM, Eldridge JC, Samson HH (2002) Microanalysis of ethanol self-administration: estrous cycle phase-related changes in consumption patterns. *Alcohol Clin Exp Res* 26:635-643. PMID: 12045471

REVIEWS & BOOK CHAPTERS:

Allen DC, **Ford MM**, Grant KA (2017) Cross-species translational findings in the discriminative stimulus effects of ethanol. *Curr Top Behav Neurosci* 39:95-111. PMID: 28341943

Shorey-Kendrick LE, **Ford MM**, Allen DC, Kuryatov A, Lindstrom J, Wilhelm L, Grant KA, Spindel ER (2015) Nicotinic receptors in non-human primates: analysis of genetic and functional conservation with humans. *Neuropharmacology* 96(Pt B):263-273. *PMID: 25661700*

Ford MM (2014) Applications of schedule-induced polydipsia in rodents for the study of an excessive ethanol intake phenotype. *Alcohol* 48:265-276. PMID: 24680665

Stolerman IP, Childs E, **Ford MM**, Grant KA (2011) The role of training dose in drug discrimination: a review. *Behav Pharmacol* 22:415-429. PMID: 21808191

Finn DA, Beckley EH, Kaufman KK, **Ford MM** (2010) Manipulation of GABAergic steroids: Sex differences in the effects on alcohol drinking- and withdrawal-related behaviors. *Hormones and Behavior* 57:12-22. PMID: 19615369

Finn DA, Beadles-Bohling AS, Beckley EH, **Ford MM**, Gililland KR, Gorin-Meyer RE, Wiren KM (2006) A new look at the 5α-reductase inhibitor finasteride. *CNS Drug Reviews* 12:53-76. PMID: 16834758

Finn DA, **Ford MM**, Wiren KM, Roselli CE, Crabbe JC (2004) The role of pregnane neurosteroids in ethanol withdrawal: behavioral genetic approaches. *Pharmacol Ther* 101:91-112. PMID: 14761701

ABSTRACTS:

*** = denotes student involvement**

Ford MM, Holleran KM, George B, Hadaczek P, Vanderhooft LE*, Bringas J, Naidoo J, Schoen JJ, McBride JL, Forsayeth JR, Jones SR, Grant KA, Bankiewicz KS (October 2019) GDNF overexpression in the VTA prevents relapse of heavy alcohol use and restores mesolimbic dopamine function in rhesus macaques. Program No. 109.01. Neuroscience 2019 Abstracts. Chicago, IL: Society for Neuroscience, 2019. Online.

Cervera-Juanes R, Cuzon Carlson VC**, Ford MM**, Carlson T, Grant KA, Ferguson B (June 2019) Genome-wide DNA methylation analysis identifies novel targets to modulate alcohol drinking. Symposium abstract No. 119. Minneapolis, MN: Research Society on Alcoholism, 2019. *Alcohol Clin Exp Res* 43(s1):288A.

Cuzon Carlson VC, Wang X, Newman N, **Ford MM**, Grant KA, Kroenke CD (June 2019) In utero MRI and ex vivo electrophysiology identify neurodevelopmental pertubations in the fetal rhesus brain following first trimester ethanol exposure. Symposium abstract No. 131. Minneapolis, MN: Research Society on Alcoholism, 2019. *Alcohol Clin Exp Res* 43(s1):291A.

Ford MM, Grant KA, Finn DA (April 2019). Sex differences in alcohol drinking: a tale of neuroactive steroids in mice and monkeys. Symposium abstract #3. Troutdale, OR: Society For Neuroscience- Oregon & Southwest Washington Chapter meeting.

Jacobs D*****, Leitzinger J*****, **Ford MM** (February 2019) Influence of TAAR1 genotype on oral nicotine self-administration in mice. Paper session abstract No. PA2-1. San Francisco, CA: Society for Research on Nicotine and Tobacco, 2019.

Ford MM Jacobs D*****, Mitchell T, Davies M, Grant KA, Spindel ES (February 2019) Development of a rhesus macaque model for nicotine self-administration via inhalation. Paper session abstract No. PA1-4. San Francisco, CA: Society for Research on Nicotine and Tobacco, 2019.

Ford MM, Vanderhooft LE*****, Bringas J, McBride JL, Forsayeth JR, Grant KA, Bankiewicz KS (June 2018) Overexpression of GDNF in the VTA prevents relapse of heavy alcohol use in rhesus macaques. Poster abstract No. 323. San Diego, CA: Research Society on Alcoholism, 2018. *Alcohol Clin Exp Res* 42(s1):99A.

Cervera-Juanes R, **Ford MM**, Carlson T, Cuzon Carlson VC, Grant KA, Ferguson B (June 2018) An agonist of the metabotropic Zn2+ receptor disrupts established alcohol drinking and prevents escalation of alcohol intake during acquisition. Poster abstract No. 516. San Diego, CA: Research Society on Alcoholism, 2018. *Alcohol Clin Exp Res* 42(s1):147A.

Seth D*****, Oswald SS*****, McCracken AD, Davis NL, **Ford MM** (June 2017) Temporal overlap of ethanol and nicotine bouts culminates in episodic binges of both drugs: dissociation of synergism following nicotinic receptor modulation. Poster abstract No. 728. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):199A.

Mootz JRK*****, Davis NL, **Ford MM** (June 2017) Nicotine exposure histories and their resultant impact on ethanol intakes in mice. Poster abstract No. 727. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):199A.

Schoen JJ*****, McCracken AD, Ryabinin AE, **Ford MM** (June 2017) Chronic intermittent administration of ethanol and ethanol-nicotine combinations induces c-FOS expression within stress- and reward-related circuitry. Poster abstract No. 22. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):23A.

Jimenez VA, Walter NA, Jensen J, Dozier B, **Ford MM**, Finn DA, Grant KA (June 2017) Relationship between menstrual cycle phase, neurosteroid concentration and ethanol self-administration in

rhesus macaques. Poster abstract No. 378. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):112A.

Wang X, Studholme C, Newman N, **Ford MM**, Grant KA, Cuzon-Carlson VC, Kroenke CD (June 2017) In utero MRI can identify perturbations to brain development following first trimester ethanol exposure in rhesus macaques. Poster abstract No. 462. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):133A.

Nipper MA, Jensen JP, Helms ML, **Ford MM**, Crabbe JC, Rossi DJ, Finn DA (June 2017) Genetic differences in sensitivity to the anticonvulsant effect of ganaxolone during ethanol withdrawal in male and female mice. Poster abstract No. 658. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):182A.

Cuzon Carlson VC, Wang X, Newman N, **Ford MM**, Grant KA, Kroenke CD (June 2017) First trimester ethanol exposure alters cortical and striatal development of GABAergic and glutamatergic transmission of the fetal rhesus macaque. Poster abstract No. 464. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):133A.

Jensen JP, Nipper MA, Helms ML, **Ford MM**, Crabbe JC, Rossi DJ, Finn DA (June 2017) Ethanol withdrawal-induced dysregulation of neurosteroid levels in periphery versus brain in genetic animal models of high ethanol withdrawal. Poster abstract No. 659. Denver, CO: Research Society on Alcoholism, 2017. *Alcohol Clin Exp Res* 41(s1):182A.

Ford MM, Oswald SS*, McCracken AD, Davis NL (November 2016) Microarchitecture of self-administration patterns during concurrent alcohol and nicotine access in mice: temporal overlap in drug intakes amplifies bout size and extends bout duration. Program No. 347.20. Neuroscience 2016 Abstracts. San Diego, CA: Society for Neuroscience, 2016. Online.

Ford MM, Davis NL, McCracken AD (May 2016). Alcohol and nicotine: drug interactions in discrimination and intake patterns underlie co-abuse liability, but also exemplify treatment opportunities. Invited talk for mini-symposium entitled 'Neuroscience of Addiction.' Troutdale, OR: Society For Neuroscience Oregon Chapter meeting.

Cawker NC*, **Ford MM**. Methamphetamine modulation of schedule-induced alcohol intake in mice. Poster abstract No. 404. San Antonio, TX: Research Society on Alcoholism, 2015. *Alcohol Clin Exp Res* 39(S1):112A.

Ford MM. Nicotinic and M1 muscarinic receptor ligands modulate oral methamphetamine self-administration in DBA/2 mice. Program No. 618.06. Neuroscience 2014 Abstracts. Washington, DC: Society for Neuroscience, 2014. Online.

Ford MM, Davies MH, Gonzales SW, Shorey LE, Owen D, Grant KA, Spindel ER (September 2014). Successful development of a monkey e-cigarette self-administration protocol based on monkey models for alcohol self-administration. Poster presentation at the Symposium on Data Integration from the Monkey Model of Alcohol Drinking, Beaverton, OR.

Davis NL, Grant KA, **Ford MM.** Nicotine self-administration history impacts the maintenance of limited-access ethanol consumption in mice. Poster abstract No. 974. Bellevue, WA: Research Society on Alcoholism, 2014. *Alcohol Clin Exp Res* 38(S1):244A.

Tanchuck MA, Snelling C, Ramaker M*, Cozzoli DK, **Ford MM**, Crabbe JC, Rossi DJ, Finn DA. Quantification of ten neuroactive steroids in plasma in withdrawal seizure–prone and –resistant mice during chronic ethanol withdrawal. Poster abstract No. 348. Bellevue, WA: Research Society on Alcoholism, 2014. *Alcohol Clin Exp Res* 38(S1):87A.

Ramaker MJ*, Strong-Kaufman MN, **Ford MM**, Phillips TJ, Finn DA. Bilateral infusions of ganaxolone or THIP into the nucleus accumbens shell alter ethanol intake in male mice. Poster abstract No. 44. Bellevue, WA: Research Society on Alcoholism, 2014. *Alcohol Clin Exp Res* 38(S1):11A.

Ramaker MJ*, **Ford MM**, Strong MN, Finn DA. Examination of compounds active at $GABA_A$ receptors for effects on ethanol intake and ethanol seeking in mice. Symposium abstract No. 152. Bellevue, WA: Research Society on Alcoholism, 2014. *Alcohol Clin Exp Res* 38(S1):330A.

Ford MM, Allen DC*, Stull CAL, Shorey LE, Hollister-Smith JA, Grant KA, Spindel ER (October, 2013) Development of an oral nicotine self-administration procedure in non-human primates to evaluate the role of single-nucleotide polymorphisms in CHRNA5 towards an addiction phenotype. Program No. 702.02. Neuroscience 2013 Abstracts. San Diego, CA: Society for Neuroscience, 2013. Online.

Shorey LE, **Ford MM**, Hollister-Smith JA, Grant KA, Spindel ER (October, 2013) Genetic analysis of α5 in cynomolgous monkeys demonstrates conservation of the human risk variant (D398N) for nicotine-related phenotypes and identifies novel polymorphisms. Program No. 702.01. Neuroscience 2013 Abstracts. San Diego, CA: Society for Neuroscience, 2013. Online.

Ramaker MJ*, **Ford MM**, Finn DA (October, 2013) Ganaxolone reinstates ethanol seeking in an operant procedure in mice. Program No. 290.03. Neuroscience 2013 Abstracts. San Diego, CA: Society for Neuroscience, 2013. Online.

Ford MM, Grant KA (June, 2013) Development of a binge-like drinking phenotype in mice with schedule-induced polydipsia: role of schedule parameters and ethanol concentration. Poster abstract No. 448. Orlando, FL: Research Society on Alcoholism, 2013. *Alcohol Clin Exp Res* 37(S2):122A.

Ford MM (June, 2013) Treatment effects of varenicline and mecamylamine on concurrent self-administration of ethanol and nicotine solutions in mice. Poster abstract No. 662. Orlando, FL: Research Society on Alcoholism, 2013. *Alcohol Clin Exp Res* 37(S2):176A.

Ramaker MJ*, Strong MN, **Ford MM**, Tanchuck MA, Snelling C, Phillips TJ, Finn DA (June, 2013) Bilateral infusions of ganaxolone into the nucleus accumbens shell alter ethanol intake in male mice. Poster abstract No. 880. Orlando, FL: Research Society on Alcoholism, 2013. *Alcohol Clin Exp Res* 37(S2):231A.

Ford MM, McCracken AD, Steele AM, Grant KA (November, 2012) The relationship between excessive ethanol drinking, level of intoxication, and plasma corticosterone across a bitonic function of

fixed time intervals in ethanol-preferring and non-preferring mouse strains. Program No. 869.01. Neuroscience 2012 Abstracts. New Orleans, LA: Society for Neuroscience, 2012. Online.

Ramaker MJ*, Strong MN, **Ford MM**, Finn DA (November, 2012) Gaboxadol infusion in the nucleus accumbens shell decreases ethanol self-administration in mice. Program No. 869.06. Neuroscience 2012 Abstracts. New Orleans, LA: Society for Neuroscience, 2012. Online.

Giardino WJ*, **Ford MM**, Ryabinin AE (November, 2012) Urocortin-1: selective involvement in long-term alcohol consumption. Program No. 869.19. Neuroscience 2012 Abstracts. New Orleans, LA: Society for Neuroscience, 2012. Online.

Ramaker MJ*, Strong MN, **Ford MM**, Snelling C, Finn DA (June, 2012) Ganaxolone and THIP alter limited-access ethanol intake in mice. Poster abstract No. 371. San Francisco, CA: Research Society on Alcoholism, 2012. *Alcohol Clin Exp Res* 36(S1):103A.

Ford MM, McCracken AD, Davis NL, Grant KA (June, 2012) Discrimination of ethanol and nicotine mixtures: paradoxical mechanisms of overshadowing and synergy. Poster abstract No. 736. San Francisco, CA: Research Society on Alcoholism, 2012. *Alcohol Clin Exp Res* 36(S1):194A.

Shabani S, Cunningham CL, **Ford MM**, Finn DA, Phillips TJ (November 2011) A genetic mouse model of differential risk for methamphetamine reward, aversion and reinforcement. Program No. 689.06. Neuroscience 2011 Abstracts. Washington, DC: Society for Neuroscience, 2011. Online.

Ramaker MJ*, **Ford MM**, Strong MN, Fretwell AM, Finn DA (June 2011) Neurosteroid and extrasynaptic $GABA_A$ receptor modulation of ethanol intake. Poster abstract No. 694. Atlanta, GA: Research Society on Alcoholism, 2011. *Alcohol Clin Exp Res* 35(S1):184A.

Finn DA, Ramaker MJ*, Fretwell AM, **Ford MM** (June 2011) Regulation of ethanol intake and ethanol seeking by neurosteroids and activation of extrasynaptic $GABA_A$ receptors. Symposia abstract No. 129. Atlanta, GA: Research Society on Alcoholism, 2011. *Alcohol Clin Exp Res* 35(S1):295A.

Ford MM, McCracken AD, Fretwell AM, Grant KA (May 2011) Use of schedule-induced polydipsia to discern the relationship between excessive ethanol drinking and plasma corticosterone in mice across a bitonic function of fixed time intervals. Poster presentation at the 2nd International Congress on Alcoholism and Stress, Volterra, Italy.

Ford MM (November 2010) Patterns of concurrent alcohol and nicotine self-administration provide insights to co-abuse liability. Program No. 17.5 (nanosymposium). Neuroscience 2010 Abstracts. San Diego, CA: Society for Neuroscience, 2010. Online.

Ramaker MJ*, **Ford MM**, Fretwell AM, Yoneyama N*, Finn DA (November 2010) Alteration of ethanol drinking in mice via modulations of the GABAA receptor with ganaxolone, finasteride, and gaboxadol. Program No. 66.12. Neuroscience 2010 Abstracts. San Diego, CA: Society for Neuroscience, 2010. Online.

Ford MM, Fretwell AM, Anacker AMJ*, Crabbe JC, Mark GP, Finn DA (June 2009) Withdrawal seizure–prone (WSP) and –resistant (WSR) mice differ in operant responding for ethanol and

reinstatement following conditioned cue presentation. Poster abstract No. 846. San Diego, CA: Research Society on Alcoholism, 2009. *Alcohol Clin Exp Res* 33(S1):222A.

Buckert AD, Grant KA, **Ford MM** (June 2009) Discrimination of an ethanol-nicotine drug mixture: Assessment of each element's contribution to the cue complex. Poster abstract No. 588. San Diego, CA: Research Society on Alcoholism, 2009. *Alcohol Clin Exp Res* 33(S1):157A.

Ford MM, Shively CA, Davenport AT, Green HL, Grant KA (February 2009) Progesterone profiling of female cynomolgus monkeys undergoing induction, maintenance, and extinction of self-administered alcohol. Poster abstract and presentation at the 5th International Meeting of Steroids and Nervous System, Torino, Italy.

Finn DA, Tanchuck MA, Fretwell AM, Beckley EH*, Kaufman KK*, **Ford MM** (February 2009) Manipulation of GABAergic neurosteroids: Sex differences in the effects on alcohol drinking- and withdrawal-related behaviors. Symposium abstract for the 5th International Meeting of Steroids and Nervous System, Torino, Italy.

Finn DA, Fretwell AM, Nickel JD, Mark GP, **Ford MM** (June 2008) Manipulation of Allopregnanolone Levels Alters Ethanol Self-Administration and Reinstatement in Male C57BL/6 Mice. Symposium speaker abstract for the Annual Meeting of the International Behavioral Neuroscience Society, St. Thomas, Virgin Islands.

Ford MM, Fretwell AM, Yoneyama N*, Grant KA, Finn DA (June 2008) Nicotine Dose-Dependently Attenuates the Acquisition of Limited-Access Ethanol Drinking in Male C57BL/6 Mice. Poster abstract No. 825. Washington, DC: Research Society on Alcoholism, 2008. *Alcohol Clin Exp Res* 32(S1):217A.

Finn DA, Fretwell AM, Mark GP, **Ford MM** (November 2007) Reinstatement of Ethanol and Sucrose Seeking by the Neurosteroid Allopregnanolone in C57BL/6 Mice. Program No. 63.9. Neuroscience 2007 Abstracts. San Diego, CA: Society for Neuroscience, 2007. Online.

Ford MM, Nickel JD, Eddy S*, Beckley EH, Finn DA (July 2007) Ethanol intake patterns in female C57BL/6J mice: Influence of allopregnanolone and the inhibition of its synthesis. Poster abstract No. 70. Chicago, IL: Research Society on Alcoholism, 2007. *Alcohol Clin Exp Res* 31(S2):26A.

Pastor R, Kamens HM*, **Ford MM**, Phillips TJ (July 2007) Repeated ethanol administration modifies sucrose intake patterns in WSC-1 mice: Effects Associated with behavioral sensitization. Poster abstract No. 327. Chicago, IL: Research Society on Alcoholism, 2007. *Alcohol Clin Exp Res* 31(S2):90A.

Ford MM, Mark GP, Nickel JD, Seymour AM, Finn DA (September 2006) Systemic mecamylamine reduces ethanol drinking without altering ethanol-reinforced responding. Poster presentation at the Annual Meeting of the International Society for Biomedical Research on Alcoholism, Sidney, Australia.

Nickel JD, **Ford MM**, Yoneyama N, Murillo AR, Finn DA (June, 2006) Modulation of ethanol intake patterns in male and female *Srd5a1* knockout mice. Poster abstract No. 235. Baltimore, MD: Research Society on Alcoholism, 2006. *Alcohol Clin Exp Res* 30(S1):65A.

Ford MM, Nickel JD, Seymour AM, Phillips TJ, Mark GP, Finn DA (June, 2006) Neurosteroid modulation of ethanol-reinforced lever responding and self-administration patterns: Effects of allopregnanolone and the inhibition of its synthesis. Symposia abstract No. 166. Baltimore, MD: Research Society on Alcoholism, 2006. *Alcohol Clin Exp Res* 30(S1):276A.

Ford MM, Rhodes JS, Crabbe JC, Finn DA (November, 2005) Ethanol drinking patterns in C57BL/6J mice during acquisition and following experimenter handling. Program No. 560.24. Neuroscience 2005 Abstracts. Washington, DC: Society for Neuroscience, 2005. Online.

Ford MM, Phillips TJ, Mark GP, Finn DA (June, 2005) GABAergic neurosteroid modulation of the appetitive and consummatory processes that govern ethanol self-administration and reward. Poster abstract No. 72. Santa Barbara, CA: Research Society on Alcoholism, 2005. *Alcohol Clin Exp Res* 29(S1):18A.

Ford MM, Nickel JD, Phillips TJ, Finn DA (June, 2005) Dose-response characterization of allopregnanolone on ethanol intake patterns in male C57BL/6J mice. Poster abstract No. 71. Santa Barbara, CA: Research Society on Alcoholism, 2005. *Alcohol Clin Exp Res* 29(S1):18A.

Ford MM, Mark GP, Finn DA (September, 2004) ICV allopregnanolone dose-dependently modulates ethanol-reinforced responding in male C57BL/6 mice. Poster presentation at the Annual Meeting of the International Society for Biomedical Research on Alcoholism, 12th World Congress on Biomedical Alcohol Research, Heidelberg, Germany.

Ford MM, Yoneyama N, Phillips TJ, and Finn DA (2004) Neurosteroid specificity in the modulation of ethanol intake patterns in male C57BL/6J mice. Poster abstract No. 54. Vancouver, BC: Research Society on Alcoholism, 2004.

Ford MM, Hansen ST*, Phillips TJ, Kozell LB, and Finn DA (2003) Neurosteroids allopregnanolone and epipregnanolone modulate ethanol consumption patterns in male C57BL/6J mice. Program No. 852.16. Neuroscience 2003 Abstracts. New Orleans, LA: Society for Neuroscience, 2003. Online.

Ford MM and Finn DA (2003) Systemic administration of allopregnanolone alters ethanol intake patterns in male C57BL/6J mice. Poster abstract No. 74. Ft. Lauderdale, FL: Research Society on Alcoholism, 2003. *Alcohol Clin Exp Res 27(S6).*

Ford MM, Hashimoto J, Wiren KM, Freeman WM, Vrana KE, Eldridge JC, Samson HH, and Finn DA (2003) Chronic ethanol self-administration in female Long-Evans rats imparts neuroadaptive changes in hypothalamic gene expression profiles. Poster abstract No. 710. Ft. Lauderdale, FL: Research Society on Alcoholism, 2003. *Alcohol Clin Exp Res* 27(S6).

Ford MM, Eldridge JC, Samson HH (November, 2001) 17-β-Estradiol dose-dependently modulates ethanol consumption behavior in the female Long Evans rat. Program No. 980.3. Neuroscience 2001 Abstracts. San Diego, CA: Society for Neuroscience, 2001. Online.

Ford MM, Samson HH (2001) Microanalysis of ethanol self-administration throughout the estrous cycle in the female Long Evans rat. Poster abstract No. 92. Montreal, Canada: Research Society on Alcoholism, 2001. *Alcohol Clin Exp Res* 25(S5):22A.

Ford MM (March, 2001) Ovarian hormones and ethanol consumption in the female rat. Annual Graduate Student Seminar Series, Wake Forest University, Winston-Salem, NC.

Ford MM, Freeman WM, Vrana KE, Walker SJ, Eldridge JC, Samson HH (2000) Neuroadaptation of hypothalamic gene expression in female Long Evans rats following chronic ethanol self-administration. Program No. 582.9. Neuroscience 2000 Abstracts. New Orleans, LA: Society for Neuroscience, 2000. Online.

Ford MM, Eldridge JC, Samson HH (2000) Effects of estradiol on the drinking behavior of female Long-Evans rats. Poster abstract No. 293. Denver, CO: Research Society on Alcoholism, 2000. *Alcohol Clin Exp Res* 24(S5):55A.

Ford MM, Eldridge JC (2000) Atrazine disruption of the hypothalamic-pituitary axis: consequences for reproductive function. Poster presentation at the Annual Meeting of the Society of Toxicology, Philadelphia, PA. *The Toxicologist* 54, 260.

Ford MM, Eldridge JC (1997) Attenuation of gonadotropin release by high dose atrazine in rats: a pituitary mechanism of action*?* Poster presentation at the Annual Meeting of the Society For Neuroscience, New Orleans, LA. *Society For Neuroscience Abstracts* 25, 1828.

Mockus SM, **Ford MM**, Aschner M, Vrana KE (1997) Ethanol induces synthesis and release of the neurotrophic factor S100β in neonatal rat primary astrocyte cultures. Poster abstract No. 438. San Francisco, CA: Research Society on Alcoholism, 1997. *Alcohol Clin Exp Res* 21(S3):76A.

INVITED LECTURERS & CONFERENCE PRESENTATIONS:

Ford MM (November 3, 2021). "GDNF gene therapy to prevent alcohol relapse." Research seminar given to the Departments of Biology and Psychology as well as the Neuroscience Club, University of Portland, Portland, OR.

Ford MM (December 17, 2019). "A macaque model of vaping: development and future application." Seminar to the Division of Neuroscience, Oregon National Primate Research Center, Oregon Health & Science University, Portland, OR.

Ford MM, Holleran KM, George B, Hadaczek P, Vanderhooft LE, Bringas J, Naidoo J, Schoen JJ, McBride JL, Forsayeth JR, Jones SR, Grant KA, Bankiewicz KS (October 21, 2019) "GDNF overexpression in the VTA prevents relapse of heavy alcohol use and restores mesolimbic dopamine function in rhesus macaques." Nanosymposium oral presentation at the 50th Annual Meeting of the Society For Neuroscience, Chicago, IL.

Ford MM (May 6, 2019) "Development of a rhesus macaque model for nicotine self-administration via inhalation." Talk given as part of the Portland Alcohol Research Center (PARC) seminar series, Oregon Health & Science University and Portland VA Hospital, Portland, OR.

Ford MM (April 12, 2019). "Sex differences in alcohol drinking: a tale of neuroactive steroids in mice and monkeys." Invited talk for mini-symposium entitled 'Neuroscience of Sex Differences.' Society For Neuroscience- Oregon & Southwest Washington Chapter meeting. Troutdale, OR.

Ford MM (April 5, 2019). "Over-expression of GDNF in the VTA for prevention of relapse to chronic alcohol self-administration." Invited talk given as part of the *Neurocircuitry and Behavior* session of the symposium entitled, 'Advances in Neuroscience: Behavior, Development and Disease'. 2019 Annual ONPRC Scientific Symposium, Oregon Health & Science University, Portland, OR.

Ford MM (February 21, 2019) "Influence of TAAR1 genotype on oral nicotine self- administration in mice." Conference presentation for paper session entitled, 'Genetic basis of addiction and tobacco-related diseases.' 25th Annual meeting of the Society for Research on Nicotine and Tobacco, 2019. San Francisco, CA.

Ford MM (February 21, 2019) "Development of a rhesus macaque model for nicotine self-administration via inhalation." Conference presentation for paper session entitled, 'Nicotinic reinforcement: New evidence from basic science.' 25th Annual meeting of the Society for Research on Nicotine and Tobacco, 2019. San Francisco, CA.

Ford MM (November 16, 2018). "Alcohol & nicotine: drug interactions that underlie co-abuse liability." Invited talk given to the Department of Biology at Lewis & Clarke College, Portland OR.

Ford MM (May 7, 2018). "Over-expression of GDNF in the VTA prevents relapse of heavy alcohol use in rhesus macaques." Talk given as part of the Portland Alcohol Research Center (PARC) seminar series, Oregon Health & Science University and Portland VA Hospital, Portland, OR.

Ford MM (April 2, 2018). "Overexpression of GDNF in the VTA prevents relapse of heavy alcohol use in rhesus macaques." Invited talk at the Oregon National Primate Research Center Scientific Retreat, Stevenson, WA.

Ford MM (November 16, 2017). "Alcohol & nicotine: drug interactions in discrimination and intake patterns underlie co-abuse liability." Invited talk to the Psychology Department at Reed College, Portland OR.

Ford MM (May 8, 2017). "Nicotine Exposure History: Impact on Ethanol Intake." Talk given as part of the Portland Alcohol Research Center (PARC) seminar series, Oregon Health & Science University and Portland VA Hospital, Portland, OR.

Ford MM, Davis NL, McCracken AD (May 13, 2016). "Alcohol and nicotine: drug interactions in discrimination and intake patterns underlie co-abuse liability, but also exemplify treatment opportunities." Invited talk at the Society For Neuroscience Oregon Chapter meeting as part of a special mini-symposium on the Neuroscience of Addiction, Troutdale, OR.

Ford MM (May 2, 2016). "Alcohol & nicotine: self-administration interactions." Talk given as part of the Portland Alcohol Research Center (PARC) seminar series, Oregon Health & Science University and Portland VA Hospital, Portland, OR.

Ford MM (November 13, 2015). "Alcohol & nicotine: perception and consumption of the drug combination." Talk given as part of the Oregon National Primate Research Center (ONPRC) seminar series entitled 'Work-In-Progress' that showcases current research on campus.

Ford MM (February 12, 2015). "The generation Y happy hour: vape 'n' drink." Invited talk at the Oregon National Primate Research Center Scientific Retreat, Stevenson, WA.

Ford MM (August 15, 2013). "Modeling polydrug abuse in mice: comparison of experimenter- versus self-administered nicotine on ethanol intake." Talk given as a requirement for request for joint appointment to the Dept. of Behavioral Neuroscience, Oregon Health & Science University, Portland, OR.

Ford MM (April 29, 2013). "Cholinergic modulation of oral methamphetamine self-administration." Talk given as part of the Portland Alcohol Research Center (PARC) seminar series, Oregon Health & Science University and Portland VA Hospital, Portland, OR.

Ford MM (October 2011). "Alcohol and nicotine interact at the crossroads of their subjective drug effects." Invited seminar to the Division of Neuroscience, Oregon National Primate Research Center, Oregon Health & Science University, Portland, OR.

Ford MM (July 2011). "Influence of muscarinic signaling on methamphetamine discrimination." Invited seminar to the department of Behavioral Neuroscience, Oregon Health & Science University, Portland, OR.

Ford MM (November 2010). "Patterns of concurrent alcohol and nicotine self-administration provide insights to co-abuse liability." Nanosymposium oral presentation at the 40th Annual Meeting of the Society For Neuroscience, San Diego, CA.

Ford MM (June, 2006) Co-organizer, co-chair, and speaker in symposium entitled 'Neurotransmitter systems involved in ethanol self-administration behavior: Honoring the contributions of Dr. Hank Samson' at the Annual Meeting of the Research Society on Alcoholism, Baltimore, MD. Talk was entitled "Neurosteroid modulation of ethanol-reinforced lever responding and self-administration patterns: effects of allopregnanolone and the inhibition of its synthesis."

Ford MM (February, 2006). "Influence of lever responding schedule on ethanol reinforcement and consumption in B6 mice." Invited talk at NIDA & NIAAA Training Grants Retreat Program, Forest Grove, OR.

Ford MM (November, 2005). "Transitioning to Independence: Steps Along the Way." Invited talk at the National Institute on Alcohol Abuse and Alcoholism (NIAAA) Trainee Workshop, Indianapolis, IN.

Ford MM (April, 2004). "Modulation of Ethanol Intake Patterns and Ethanol-Reinforced Responding by $GABA_A$ Receptor Active Neurosteroids." Scheduled talk for Annual Department of Behavioral Neuroscience Postdoctoral Fellow Seminar Series, Oregon Health & Science University, Portland, OR.

Ford MM (December, 2003). "Hypothalamic Neuroadaptation During Chronic Ethanol Self-Administration." Scheduled talk for the Department of Veterans Affairs, Portland, OR.

Ford MM (February, 2003). "Identifying Candidate Neurosteroids for the Modulation of Ethanol Intake." Scheduled talk for Department of Veterans Affairs, Portland, OR.

Ford MM (January, 2002). "Ovarian hormone modulation of ethanol self-administration in the female rat." Invited talk for the Department of Behavioral Neuroscience, Oregon Health Sciences University, Portland, OR.

Ford MM (October, 2001). "Ovarian hormones and drugs of abuse." Invited talk at Emory University (Host: L.L. Howell) and Wake Forest University (Host: M.A. Nader) Laboratory Exchange, Winston-Salem, NC.

HONORS & AWARDS FOR SCHOLARSHIP:

Technology Transfer & Business Development Award- Industry Sponsored Research (***2017***)

'*Top peer reviewer for Neuroscience*' rating by Publons (**2016**)

Oregon Clinical + Translational Research Institute (OCTRI) Scholar (***2007-2012***)

Research Society on Alcoholism Junior Investigator Award (***2003-2007***)

OHSU Alumni Association's Post-Doc Paper of the Year Award (***2005***)
Article Title: Neurosteroid modulators of GABAA receptors differentially modulate ethanol intake patterns in male C57BL/6J mice.

Department of Behavioral Neuroscience Post-Doc paper of the Year Award (***2005***)
Article Title: Neurosteroid modulators of GABAA receptors differentially modulate ethanol intake patterns in male C57BL/6J mice.

International Society for Biomedical Research on Alcoholism, Congress Travel Award (***2004***)
Presentation Title: ICV allopregnanolone dose-dependently modulates ethanol-reinforced responding in male C57BL/6 mice.

National Institute of Health Post-Doctoral Training Award Recipient (***2002-2004***)
National Institute of Drug Abuse, institutional training grant DA-07262

Research Society on Alcoholism Student Merit Award (***2000-2001***)

National Institute of Health Pre-Doctoral Training Award Recipient (***1999-2002***)
National Institute of Alcohol Abuse and Alcoholism, institutional training grant AA-07565

Society for Neuroscience Chapters Graduate Student Travel Award (***2000***)
Presentation Title: Neuroadaptation of hypothalamic gene expression in female Long Evans rats following chronic ethanol self-administration.

Dean's Fellowship, Wake Forest University School of Medicine (***1996***)

Bucknell University Student Research Scholarship (***1994***)

VI. SERVICE

Membership in Professional Societies:

Society For Neuroscience (***1998-present***)

Research Society on Alcoholism (***1999-present***)

The Society for Research on Nicotine & Tobacco (***2017- 2019***)

American Society for Pharmacology & Experimental Therapeutics (***2009-2012***)

International Society for Biomedical Research on Alcoholism (***2011-2017***)

Granting Agency Review Work:

NIH/CSR, ZRG1 OTC1-J 56 Special Emphasis Panel, ad hoc Committee Member ***(June 10, 2022)***

This special emphasis panel reviewed applications for 'Resource-Related Research Projects for Development of Animal Models and Related Materials' R24 grants. The proposed projects aim to develop, characterize or improve 1) animal models of human diseases, 2) access to information about or generated from the use of animal models of human disease, or 3) diagnosis and control of diseases of laboratory animals.

*NIH/CSR, NAL Study Section, ad hoc Committee Member (**October 14-15, 2021**)*

The Neurotoxicology and Alcohol [NAL] Study Section reviews applications that address the effects of environmental toxicants or alcohol on the central nervous system in animal models and humans. The emphasis of the alcohol research is on the negative consequences of alcohol exposure throughout development and in adulthood, rather than motivational aspects of alcohol addiction. The approaches include molecular, cellular, pharmacological, physiological, behavioral, neuroimaging, genetic, and computational.

NIH/CSR, BRLE Study Section, ad hoc Committee Member **(June 1-2, 2017; February 15-16, 2018)**

The Biobehavioral Regulation, Learning and Ethology (BRLE) Study Section reviews applications concerned with basic biobehavioral processes and adaptation across the lifespan. The Study Section primarily considers research with non-human animals but relevant work with humans is also included. Normal and disordered processes are addressed. Although the focus is on behavior, studies may also consider related neural, hormonal, and genetic factors. Methods include behavioral experiments, naturalistic observation; hormonal, genetic, molecular, surgical and pharmacologic interventions; and computational modeling.

Reviewer for Wake Forest Alzheimer's Disease Core Center (ADCC) Pilot Awards (**January, 2018**)

The scientific theme of the Wake Forest ADCC is focused on the general hypothesis that metabolic and vascular diseases promote transitions from normal aging to mild cognitive impairment, AD, and other disorders such as vascular cognitive impairment.

Reviewer for Murdock College Research Program for Natural Sciences **(November, 2014)**.
The M.J. Murdock Charitable Trust supports research in the natural sciences in private and predominantly undergraduate colleges and universities. A grant proposal was evaluated on the basis of scientific merit, the scientific qualifications of the investigator proposing the research, the feasibility of the work, and the involvement of undergraduate students in the research.

Editorial and Ad Hoc Review Activities:

Review Editor- *Frontiers in Behavioral Neuroscience*, Pathological Conditions section (**2020 - present**)

Journal Peer Review- peer review metrics on Web of Science (Researcher ID: H-4426-2019)
https://www.webofscience.com/wos/author/record/609264)
As of 9/24/2022: total of verified reviews = 115 (99th percentile).

Journals and respective (#) of reviews include: *Addiction Biology (**3**), Alcohol (**15**), Alcohol and Alcoholism (**1**), Alcoholism: Clinical and Experimental Research (**19**), The American Journal of Drug and Alcohol Abuse (**3**), Behavioural Pharmacology (**6**), Behavioural Processes (**1**), Current Medicinal Chemistry (**1**), Drug and Alcohol Dependence (**2**), Endocrinology (**2**), European Journal of Neuroscience (**1**), Experimental and Clinical Psychopharmacology (**2**), The International Journal of Neuropsychopharmacology (**2**), Heliyon (**1**), Hormones and Behavior (**1**), Journal of the Experimental Analysis of Behavior (**3**), Journal of Experimental Neuroscience (**2**), Journal of Psychopharmacology (**22**), Neuroendocrinology (**1**), Neuroscience & Biobehavioral Reviews (**1**), Neurotoxicity Research (**2**), Pharmacology Biochemistry and Behavior (**8**), PLOS ONE (**2**), Progress in Neuro-Psychopharmacology & Biological Psychiatry (**3**), Psychoneuroendocrinology (**1**), Psychopharmacology (**8**).*

Society for Research on Nicotine & Tobacco (SRNT)- Abstract reviewer for Annual Meeting program (2017-2018)

Committee Work:

Division of Neuroscience Seminar Committee, OHSU, director (2016-2018). Committee organizes and schedules weekly speakers between September and the following June. Speakers include 2-3 nationally-recognized researchers, 6-8 regional speakers from OHSU and other affiliated schools, and all divisional post-doctoral fellows and graduate students. The committee also puts together interview schedules for national and regional speakers to facilitate networking and formation of new collaborations with divisional faculty. Finally, the committee oversees an evaluation process for student and post-doctoral fellow talks, allowing constructive feedback to reach these developing scientists.

Admissions & Advisory Committee, Behavioral Neuroscience graduate program, OHSU, member (2014–2017). Committee screens graduate program applicants, selects students for site visit, and conducts interviews to assess program fit. The committee also meets annually with current graduate students in the program to assess their progress towards candidacy and doctoral degree.

Dissertation Advisory Committees (DACs), Behavioral Neuroscience graduate program, OHSU. Faculty members are requested to serve for Ph.D. candidates in the Department of Behavioral

Neuroscience, OHSU. DAC members evaluate student progress toward degree at 6-month intervals, provide critical input and advice that will facilitate completion of degree in a timely manner, and provide additional mentorship to the student regarding career goals as needed.

Sheena Potretzke (May, 2022)- '*Behavioral and molecular characterization of oxytocin's effect on alcohol consumption*.' Role: regular member.

Gail Stonebarger (projected 2022)- '*Effects of diet, hormones, and aging: characterizing the clinical relevance of the aging rhesus macaque*.' Role: regular member & committee chair.

Andre Walcott (May, 2019)- '*The Relationship Between Sociality and Alcohol Consumption in the Prairie Vole Rodent Model*.' Role: *ad hoc* member.

Amy Williams (August, 2018)- '*Rapid reacquisition of contextual fear conditioning: The behavior, interaction with alcohol, and neurobiology*.' Role: *ad hoc* member.

Christie Pizzimenti (January, 2018)- '*Exploring the use of histone deacetylase inhibitors in treating rodent models of post-traumatic stress disorder and addiction*.' Role: *ad hoc* member.

Leah Hitchcock (August, 2017)- '*Involvement of the dorsal hippocampus and histone deacetylase 3 in reward-seeking behaviors*.' Role: *ad hoc* member.

Noah Gubner (May, 2014)- '*The effects of nicotine and varenicline on ethanol reward and neuroadaptation*.' Role: *ad hoc* member.

Qualifying Exam Committees. Member on these committees evaluate student performance on a written NRSA-style research proposal, oral presentation of the proposal, and oral exam of the proposal. These three criteria are requirements for advancing to Ph.D. candidacy within the Department of Behavioral Neuroscience at OHSU.

Andrea Harden (May 28, 2020)- '*Non-somatic influences on descending pain modulation*'

David Jacobs (October 3, 2019)- '*Cortical and behavioral processes underlying the resistance of reward seeking to punishment*'

Thomas (AJ) Mitchell (October 2, 2019)- '*Consequences of maternal western style diet on the behavior and functional brain connectivity of rhesus macaque offspring*'

Sheena Potretzke (October 1, 2019)- '*Molecular and behavioral characterization of oxytocin's effect on alcohol consumption*'

Gail Stonebarger (October, 2018)- '*Effects of diet, hormones, and age on normal and pathological brain aging: physical and functional aging in the rhesus macaque*'

Erika Cuellar (December, 2017)- '*Examining the role of nicotinic acetylcholine receptors in the potentiating effects of nicotine on the biphasic effects of ethanol*'

Elina Thomas (September, 2017)- '*Neural foundations of early emerging emotional regulatory ability*'

Andre Walcott (May, 2016)- '*Alcohol's effects on partner preference after established pair bonds in male prairie voles*'

Reprint Exam Committees. The preliminary or "reprint" exam serves to set a standard of competency in the critical evaluation of research articles and in oral presentation, a standard that students are expected to attain early in their graduate career. In addition, it helps faculty to identify areas of weakness in this skill, which may be addressed in reexamination.

Sheena Potretzke (June 11, 2018)- '*Extended amygdala to ventral tegmental area corticotropin-releasing factor circuit controls binge ethanol intake*.' Based on Rinker et al., 2017 (PMID: 27113502)

Research Roadmap Task Force Planning- Task Force 5 committee member (November 2012 – August 2014). Committee is tasked with developing ideas to "enhance training, career development and mentoring opportunities for the next generation of biomedical researchers."

Community Service:

Science Ambassadors Lecture (April 5, 2017). Presented a seminar entitled, 'Alcohol and nicotine: the devious duo of addiction' and led discussion with a group of 20 high school students who are college-bound and most likely to major in some area of science. The group meets at the ONPRC every Wednesday afternoon during the school year to learn about science and to develop lessons and hands-on activities that they use to teach their 5th grade "mentees" about important science concepts.

Oregon Area Health Education Centers (AHEC) Program- Science Ambassador (Winter, 2012). Guest lecturer at Westview High School (Portland, OR). Spoke to students about career opportunities in health sciences and medicine. Also gave a presentation on how neurons communicate in the brain, and how this essential function is disrupted by abused drugs such as methamphetamine and nicotine. This role involved 2 separate engagements, each with 20-30 students.

Science Fair Judge (2008-2009). Evaluated science projects of 5th graders at Gresham East Grade School, Gresham, OR.

Oregon Kids Judge (2003). Presenter at a neuroscience-based fair to promote science education.