

CURRICULUM VITAE (1/10/19)

Helen Marie Kamens

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Education

- Ph.D. **Oregon Health & Science University**, Portland, OR. June 2002 – September 2007
Ph.D. conferred December 2007 in Behavioral Neuroscience.
Dissertation title: *Multidisciplinary approaches examining the genetic basis of drug-induced locomotor stimulation.*
- B.S. **The Pennsylvania State University**, University Park, PA. June 1998 – May 2002
B.S. conferred May, 2002 in Biobehavioral Health, minor in Neuroscience
Leeds University, Leeds, United Kingdom. September 2000 – January 2001
Educational exchange program.

Professional Experience

- 2/16 – present **Affiliated Faculty**, The Penn State Cancer Institute, The Pennsylvania State University
- 8/15 – present **Affiliated Faculty**, The Center for Brain, Behavior, and Cognition, The Pennsylvania State University
- 3/15 – present **Affiliated Faculty**, The Prevention and Methodology Training Program, The Pennsylvania State University
- 10/14 – present **Affiliated Faculty**, The Methodology Center, The Pennsylvania State University
- 8/13 – present **Affiliated Faculty**, The Huck Institutes of the Life Sciences, The Intercollege Graduate Degree Program in Neuroscience, and The Intercollege Graduate Degree Program in Molecular, Cellular and Integrative Biosciences, The Pennsylvania State University
- 8/13 – present **Assistant Professor**, Department of Biobehavioral Health, The Pennsylvania State University
- 3/12 – 7/13 **Assistant Research Professor**, Department of Integrative Physiology, University of Colorado
- 1/11 – 9/11 **Adjunct Faculty**, Denver School of Nursing
- 9/09 – 7/13 **Research Associate**, Institute for Behavioral Genetics, University of Colorado
(Advisor: Dr. Marissa A. Ehringer)
Utilize human genetic tools and animal models to examine the role of nicotinic acetylcholine receptors in ethanol and nicotine behaviors.
- 11/07 – 8/09 **Postdoctoral Fellow**, Department of Psychiatry, Yale University
(Advisor: Dr. Marina R. Picciotto)
Utilized mouse models to determine the role of nicotinic acetylcholine receptors and the neuropeptide galanin in drug responses in mice.
- 8/02 – 9/07 **Graduate Research Assistant**, Department of Behavioral Neuroscience, Oregon Health & Science University (OHSU) (Advisor: Dr. Tamara J. Phillips)
Utilized quantitative genetic methods to study the biologic basis of ethanol- and psychostimulant-induced locomotor stimulation and voluntary ethanol consumption in mice.

- 5/01 – 6/02 **Undergraduate Research Assistant**, Department of Biobehavioral Health, The Pennsylvania State University (Advisor: Dr. Laura C. Klein)
Examined stress and drug use in human and animal models.
- 6/00 – 8/00 **Research Assistant**, National Human Genome Research Institute, National Institutes of Health (Advisor: Trish Magyari)
- 1/99 – 12/99 **Undergraduate Research Assistant**, Department of Human Development and Family Studies, PSU (Advisor: Dr. Karen Fingerman)

Grants: Active, Submitted & Completed

ACTIVE

<u>Title and Source: Research Funding</u>	<u>Period</u>	<u>Award Total</u>
P50 DA039838 Collins (PI) National Institute on Drug Abuse, NIH "Center for Complex Data to Knowledge in Drug Abuse and HIV Behavioral Science" Role: Co-Investigator	2015-2020	\$13,493,560
Seed Grant Kamens (PI) Social Science Research Institute "The influence of adolescent social stress on morphine behaviors" Role: Principal Investigator	2018-2019	\$19,931
CTSA Pilot Grant Kamens (PI) Penn State – Clinical and Translational Science Institute, NIH "The influence of adolescent social stress on opioid behaviors and gene expression" Role: Principal Investigator	2018-2019	\$56,700

COMPLETED

<u>Title and Source: Research Funding</u>	<u>Period</u>	<u>Award Total</u>
Seed Grant Kamens (PI) Social Science Research Institute "The Impact of Nicotine Administration on Ethanol Consumption" Role: Principal Investigator	2015-2018	\$4,938
Seed Grant Kamens (PI) Biobehavioral Health Department "Changes in the prefrontal cortex transcriptome following adolescent social stress" Role: Principal Investigator	2018	\$9,870
Seed Grant Cavigelli (PI) Biobehavioral Health Department "Developmental asthma: How do common, chronic steroid treatments affect the developing brain?" Role: Co-Investigator	2018	\$7,241
TCORS Pilot Grant Kamens (PI) Penn State – Tobacco Center of Regulatory Science, NIH "Pharmacokinetics of Spectrum research cigarettes with reduced nicotine content" Role: Principal Investigator	4/1/16-3/31/18	\$49,000

Seed Grant Cavigelli (PI) College of Health & Human Development/Huck Institutes of the Life Sciences "Hippocampal transcriptional response to chronic adolescent social stress" Role: Co-Investigator	2015-2017	\$5,000
Seed Grant Dennis (PI) Social Science Research Institute/Center for Healthy Aging "Behavioral, neural and genetic factors influencing motor and cognitive function in healthy older adults" Role: Co-Investigator	2014-2017	\$23,807
KO1 AA019447 Kamens (PI) National Institute on Alcohol Abuse and Alcoholism, NIH "Genetics of alcohol and nicotine behaviors" Role: Principal Investigator	2011-2017(NCE)	\$726,837
Seed Grant Kamens (PI) The College of Health and Human Development "The influence of nicotinic acetylcholine receptors in adolescent alcohol behaviors" Role: Principal Investigator	2014-2015	\$29,905
Seed Grant Klein (PI) Social Science Research Institute "The Neurobiological Underpinnings of Nicotine Exposure on Limited Access Ethanol Consumption in Periadolescent Female C57BL/6J Mice" Role: Co-Investigator	2013-2014	\$7,200
F31 AA015822 Kamens (PI) National Institute on Alcohol Abuse and Alcoholism, NIH "Cholinergic modulation of ethanol-induced stimulation" Role: Principal Investigator	2005-2007	\$40,768
Seed Grant Kamens (PI) N.L. Tartar Research Fellowship, OHSU Foundation "Investigating the role of cholinergic receptors in the acute locomotor response to ethanol" Role: Principal Investigator	2004	\$2,000

Awards

The Broadhurst Career Development Professor for the Study of Health Promotion and Disease Prevention (2016 – present). This early career professorship provides support to a professor in the College of Health and Human Development whose research informs human health.

Society for Research on Nicotine and Tobacco Young Investigator Paper Award (2011). This was a competitive award based on submitted abstracts that came with an invitation to give an oral presentation at the annual meeting and a travel award. Total award: \$1000

Research Society on Alcoholism Junior Investigator Merit Award. A competitive award for travel to the annual meeting (2009).

National Institute of Mental Health Institutional Training Grant Awardee NIMH T32 MH014276 (11/2008 – 8/2009)

The Research Society on Alcoholism Enoch Gordis Research Recognition Award (2006). An award given by the Research Society on Alcoholism for an outstanding poster presented by a

graduate student in the biomedical science category. Final award winners are chosen based on the presentations at the meeting. Poster presentations are judged on several criteria including quality, scientific merit, and effective oral presentation of the results. Total award: \$2000

The University Club of Portland Graduate Fellowship Award (2006). A competitive fellowship from the University Club that recognizes and encourages scholarship, leadership and potential societal contributions among students pursuing graduate education. Total award: \$5000

The Alliance Award (2006). A award granted by the OHSU School of Medicine Alliance in recognition of outstanding academic achievement, research accomplishments, leadership qualities and contributions to the community. Total award: \$1000

International Society for Biomedical Research on Alcoholism travel award. A competitive award for travel to the annual meeting (2006).

The Society for Neuroscience Chapters/Eli Lilly Graduate Student Travel Award (2005). A competitive award for travel to the 2005 meeting. This award was based on a nomination by the Society for Neuroscience Oregon Chapter and a written application. Total award: \$750

Research Society on Alcoholism Student Merit Award. A competitive award for travel to the annual meeting (2005, 2006).

Chosen as a Graduate Student Outstanding Young Investigator Awardee for the International Behavioural and Neural Genetics Society Annual Meeting (2005). This was a competitive award based on submitted abstracts that came with an invitation to give an oral presentation at the annual meeting.

Society for Neuroscience Oregon Chapter Synapse Award (2005). A competitive award based on submitted abstracts from graduate students that came with an invitation to give an oral presentation at the annual meeting. Total award: \$100

Student Research Forum Outstanding Poster Award (2004). An award given for the most outstanding poster presented at the student research forum based on ratings from a panel of faculty judges. Total award: \$1000

International Behavioural and Neural Genetics Society Young Investigator Travel Award. A competitive award for travel to the annual meeting (2003, 2005, 2006, 2007, 2008, 2010, 2011, 2012, 2014, 2015, 2016).

National Institute on Alcohol Abuse and Alcoholism Institutional Training Grant Awardee NIAAA T32 AA07468 (2002 – 2005)

Phi Kappa Phi Honor Society (2002)

Intramural Research Training Award Fellowship, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD (2000)

Golden Key National Honor Society (2000)

Health and Human Development Honor Society (1999)

Peer Reviewed Publications (34 publications: 14 first, 3 co-first, and 6 senior authorship)

Notes: Helen Kamens is highlighted in **BOLD**

Trainees working with the candidate are *italicized*

¹Denotes undergraduate student under the supervision of Dr. Kamens.

²Denotes graduate student under the supervision of Dr. Kamens.

³Denotes postdoctoral fellow under the supervision of Dr. Kamens.

In Press

34. Miller, C.N., *Ruggery, C.*¹, & **Kamens, H. M.** (In Press) The $\alpha 3\beta 4$ nicotinic acetylcholine receptor antagonist 18-Methoxycoronaridine decreases binge-like ethanol consumption in adult C57BL/6J mice. Alcohol. [2017/2018 Impact Factor: 2.425]

2019

33. *Miller, C.N.*¹, *Caruso, M.J.*³, & **Kamens, H.M.** (2019) Early-adolescent C57BL/6J and DBA/2J mice display reduced sensitivity to acute nicotine administration. Neurosci Lett, 690:151-157-49

2018

32. *Caruso, M.J.*³, *Seemiller, L.R.*², Fetherston, T.B., *Miller, C.N.*¹, Reiss, D.E., Cavigelli, S.A., & **Kamens, H.M.** (2018) Adolescent social stress increases anxiety-like behavior and ethanol consumption in adult male and female C57BL/6J mice. *Sci Rep*, 8(1):10040 PMID: PMC6030218 [2017/2018 Impact Factor: 4.122]
31. *Silva, C.P.*², Horton, W.J., *Caruso, M.J.*², Sebastian, A., Klein, L.C., Albert, I., & **Kamens, H.M.** (2018) The influence of adolescent nicotine exposure on ethanol intake and brain gene expression. *PLoS ONE*, 13(6):e0198935 PMID: PMC6005571 [2017/2018 Impact Factor: 2.766]
30. *Caruso, M.J.*², Reiss, D.E., Caulfield, J.I., *Thomas, J.L.*¹, *Baker, A.N.*², Cavigelli, S.A., & **Kamens, H.M.** (2018) Adolescent chronic variable social stress influences exploratory behavior and nicotine responses in male, but not female, BALB/cJ mice. *Brain Res Bull*, 138:37-49 PMID: PMC5816715 [2017/2018 Impact Factor: 3.44]
29. **Kamens, H.M.**, *Silva, C.*², Peck, C., & *Miller, C.N.*¹ (2018) Varenicline modulates ethanol and saccharin consumption in adolescent male and female C57BL/6J mice. *Brain Res Bull*, 138:20-25. PMID: PMC5794646 [2017/2018 Impact Factor: 3.44]
28. *Caruso, M.J.*², Crowley, N.A., Reiss, D.E., Caulfield, J.I., Luscher, B., Cavigelli, S.A., & **Kamens, H.M.** (2018) Adolescent social stress increases anxiety-like behavior and alters synaptic transmission, without influencing nicotine responses, in a sex-dependent manner. *Neuroscience*, 373:182-198. PMID: PMC5807246 [2017/2018 Impact Factor: 3.382]

2017

27. *Caruso, M.J.*², **Kamens, H. M.**, & Cavigelli, S. A. (2017) Exposure to chronic variable social stress during adolescence alters anxiety- and depression-like behaviors in adult male and female inbred mice. *Dev Psychobiol*, 59(6):679-687. PMID: PMC5600506 [2017/2018 Impact Factor: 2.494]
26. **Kamens, H. M.**, Peck, C., *Garrity, C.*¹, *Gechlik, A.*¹, *Jenkins, B. C.*², & *Rajan, A.*¹ (2017) $\alpha 6\beta 2$ Nicotinic Acetylcholine Receptors Influence Locomotor Activity and Ethanol Consumption. *Alcohol*, 61:43-49. PMID: PMC5466835 [2017/2018 Impact Factor: 2.425]
25. **Kamens, H.M.**, *Silva, C.*², *McCarthy, R.D.*¹, *Cox, R.J.*¹, & Ehringer, M.A. (2017) No evidence of a role of the $\beta 4$ subunit of the nicotinic acetylcholine receptor in alcohol-related behaviors. *BMC Res Notes*, 10(1):151. PMID: PMC5382442 [Impact Factor: NA]

2016

24. Melroy-Greif, W.E., Vadasz, C., **Kamens, H.M.**, McQueen, M.B., Corley, R.P., Stallings, M.C, Hopfer, C.J, Krauter, K.S., Brown, S.A., Hewitt, J.K. & Ehringer, M.A. (2016) Test for association of common variants in GRM7 with alcohol consumption. *Alcohol*, 55, 43-50. PMID: PMC5123698 [2016 Impact Factor: 2.778]
23. **Kamens, H. M.**, Corley, R. P., Richmond, P. A., Darlington, T. M., Dowell, R., Hopfer, C. J., Stallings, M. C., Hewitt, J. K., Brown, S. A., & Ehringer, M. A. (2016) Evidence for association between low frequency variants in CHRNA6/CHRN3 and antisocial drug dependence. *Behav Genet*, 46(5), 693-704. PMID: PMC4975622 [2016 Impact Factor: 2.385]
22. Locker, A.R., Marks, M.J., **Kamens, H.M.**, & Klein, L.C. (2016) Exposure to nicotine increases nicotinic acetylcholine receptor density in the reward pathway and binge ethanol consumption in C57BL/6J adolescent female mice. *Brain Res Bull*, 123, 13-22. PMID: PMC4814345 [2016 Impact Factor: 3.033]
21. Schwantes-An, T.-H., Zhang, J., Chen, L.-S., Hartz, S.M., Culverhouse, R.C., Chen, X., Coon, H., Frank, J., **Kamens, H.M.**, Konte, B., Kovanen, L., Latvala, A., Legrand, L.N., Maher, B.S., Melroy, W.E., Nelson, E.C., Reid, M.W., Robinson, J.D., Shen, P-H., Yang, B-Z., Andrews, J.A., Aveyard, P., Beltcheva, O., Brown, S.A., Cannon, D.S., Cichon, S., Corley, R.P., Dahmen, N., Degenhardt, L., Foroud, T., Gaebel, W., Giegling, I., Glatt, S.J., Gruzca, R.A., Hardin, J., Hartmann, A.M., Heath,

A.C., Herms, S., Hodgkinson, C.A., Hoffmann, P., Hops, H., Huizinga, D., Ising, M., Johnson, E.O., Johnstone, E., Kaneva, R.P., Kendler, K.S., Kiefer, F., Kranzler, H.R., Krauter, K.S., Levran, O., Lucae, S., Lynskey, M.T., Maier, W., Mann, K., Martin, N.G., Mattheisen, M., Montgomery, G.W., Mössner, R., Müller-Myhsok, B., Murphy, M.T., Neale, M.C., Nikolov, M.A., Nishita, D., Nöthen, M.M., Nurnberger, J., Partonen, T., Pergadia, M.L., Reynolds, M., Ridinger, M., Rose, R.J., Rouvinen-Lagerström, N., Scherbaum, N., Schmä, C., Soyka, M., Stallings, M.C., Steffens, M., Treutlein, J., Tsuang, M., Wall, T.L., Wodarz, N., Yuferov, V., Zill, P., Bergen, A.W., Chen, J., Cinciripini, P.M., Edenberg, H.J., Ehringer, M.A., Ferrell, R.E., Gelernter, J., Goldman, D., Hewitt, J.K., Hopfer, C.J., Iacono, W.G., Kaprio, J., Kreek, M.J., Kremensky, I.M., Madden, P.A.F., McGue, M., Munafó, M.R., Philibert, R.A., Rietschel, M., Roy, A., Rujescu, D., Saarikoski, S., Swan, G.E., Todorov, A.A., Vanyukov, M.M., Weiss, R.B., Bierut, L.J., & Saccone N.L. (2016) Collaborative meta-analysis demonstrates modest association of the *OPRM1* variant rs1799971 (A118G) with risk for non-specific substance dependence. *Behav Genet*, 46(2), 151-169. PMID: PMC4752855 [2016 Impact Factor: 2.385]

2015

20. **Kamens, H.M.**, Miyamoto, J., Powers, M.S., Ro, K.¹, Soto, M.¹, Cox, R.¹, Stitzel, J.A., & Ehringer, M.A. (2015) The $\beta 3$ subunit of the nicotinic acetylcholine receptor: modulation of gene expression and nicotine consumption. *Neuropharmacology*, 99, 639-649. PMID: PMC4655151 [2015 Impact Factor: 4.936]

2014

19. Melroy, W.E., Stephens, S.H., Sakai, J.T., **Kamens, H.M.**, McQueen, M.B., Corley, R.P., Stallings, M.C., Hopfer, C.J., Krauter, K.S., Brown, S.A., Hewitt, J.K. & Ehringer, M.A. (2014) Examination of genetic variation in *GABRA2* with conduct disorder and alcohol abuse and dependence in a longitudinal study. *Behav Genet*, 44(4), 356-367. PMID: PMC4098655 [2014 Impact Factor: 3.21]

2013

18. **Kamens, H.M.**, Corley, R.P., McQueen, M.B., Stallings, M.C., Hopfer, C.J., Crowley, T.J., Brown, S.A., Hewitt, J.K. & Ehringer, M.A. (2013) Nominal association with *CHRNA4* variants and nicotine dependence. *Genes Brain Behav*, 12(3), 297-304. PMID: PMC3727281 [2013 Impact Factor: 3.505]

2012

17. ***Kamens, H.M.**, *Hoft, N.R., Cox, R.J.¹, Miyamoto, J.H., & Ehringer, M.A. (2012) The *Chma6* gene influences the sedative-hypnotic effects of alcohol. *Alcohol*, 46, 463-471. ***These authors contributed equally to this work.** PMID: PMC3403529 [2012 Impact Factor: 2.255]

2011

16. Howrigan, D.P., Simonson, M.A., **Kamens, H.M.**, Stephens, S.H., Wills, A.G., Ehringer, M.A., Keller, M.C., & McQueen, M.B. (2011) Mutational load analysis of unrelated individuals. *BMC proceedings*, 5(Supp 9), S55. PMID: PMC3287893 [Impact Factor: N/A]

2010

15. **Kamens, H.M.**, Andersen, J.¹, & Picciotto, M.R. (2010) The nicotinic acetylcholine receptor partial agonist varenicline increases the ataxic and sedative-hypnotic effects of ethanol in C57BL/6J mice. *Alcohol Clin Exp Res*, 34(12), 2053-2060. PMID: PMC2988947 [2010 Impact Factor: 3.468]

14. Pastor, R., **Kamens, H.M.**, McKinnon, C.S., Ford, M.M., & Phillips, T.J. (2010) Repeated ethanol administration modifies the temporal structure of sucrose intake patterns in mice: effects associated with behavioral sensitization. *Addict Biol*, 15(3), 324-335. PMID: PMC2904994 [2010 Impact Factor: 4.152]
13. **Kamens, H.M.**, Andersen, J.¹, & Picciotto, M.R. (2010) Modulation of ethanol consumption by genetic and pharmacological manipulation of nicotinic acetylcholine receptors in mice. *Psychopharmacology (Berl)*, 208(4), 613-626. PMID: PMC2901400 [2010 Impact Factor: 3.817]
12. Picciotto, M.R., Brabant, C., Einstein, E.B., **Kamens, H.M.**, & Neugebauer, N.M. (2010) Effects of galanin on monoamine systems and HPA axis: Potential mechanisms underlying the effects of galanin on addiction- and stress-related behaviors. *Brain Res*, 1314, 206-218. PMID: PMC2819596 [2010 Impact Factor: 2.623]

2009

11. **Kamens, H.M.**, McKinnon, C.S., Li, N., Helms, M.L., Belknap, J.K., & Phillips, T.J. (2009) The $\alpha 3$ subunit of the nicotinic acetylcholine receptor is a candidate gene for ethanol stimulation. *Genes Brain Behav*, 8(6), 600-609. Corrigendum in *Genes Brain Behav*, 8(6), 610. PMID: PMC2888607 [2009 Impact Factor: 3.795]
10. *Narasimhaiah, R., ***Kamens, H.M.**, & Picciotto, M.R. (2009) Effects of galanin on cocaine-mediated conditioned place preference and ERK signaling in mice. *Psychopharmacology (Berl)*, 204(1), 95-102. ***These authors contributed equally to this work.** PMID: PMC2872184 [2009 Impact Factor: 4.103]

2008

9. *Phillips, T.J., ***Kamens, H.M.**, & Wheeler, J.M. (2008) Behavioral genetic contributions to the study of abuse-related amphetamine effects. *Neurosci Biobehav Rev*, 32(4), 707-59. ***These authors contributed equally to this work.** PMID: PMC2360482 [2008 Impact Factor: 7.804]
8. **Kamens, H.M.**, & Phillips, T.J. (2008) A role for neuronal nicotinic acetylcholine receptors in ethanol-induced stimulation, but not cocaine- or methamphetamine-induced stimulation. *Psychopharmacology (Berl)*, 196(3), 377-87. [2008 Impact Factor: 3.676]

2007

7. Kliethermes, C.L., **Kamens, H.M.**, & Crabbe, J.C. (2007) Drug reward and intake in lines of mice selectively bred for divergent exploration of a hole-board apparatus. *Genes Brain Behav*, 6(7), 608-618. [2007 Impact Factor: 3.533]
6. **Kamens, H.M.**, & Crabbe, J.C. (2007) The parallel rod floor test: a measure of ataxia in mice. *Nature Protocols*, 2(2), 277-281. [2007 Impact Factor: 1.671]

2006

5. **Kamens, H.M.**, Burkhart-Kasch, S., McKinnon, C.S., Li, N., Reed, C., & Phillips, T.J. (2006) Ethanol-related traits in mice selectively bred for differential sensitivity to methamphetamine-induced activation. *Behav Neurosci*, 120(6), 1356-66. [2006 Impact Factor: 2.907]

2005

4. Palmer, A.A., Verbitsky, M, Suresh, R, **Kamens, H.M.**, Reed, C.L., Li, N., Burkhart-Kasch, S., McKinnon, C.S., Belknap, J.K., Gilliman, T.C., & Phillips, T.J. (2005) Gene expression differences in mice divergently selected for methamphetamine sensitivity. *Mamm Genome*, 16, 291-305. [2005 Impact Factor: 2.747]

3. **Kamens, H.M.**, Phillips, T.J., Holstein, S.E., & Crabbe, J.C. (2005) Characterization of the parallel rod floor apparatus to test motor incoordination in mice. *Genes Brain Behav*, 4(4), 253-66. [2005 Impact Factor: 4.091]
2. **Kamens, H.M.**, Burkhart-Kasch, S., McKinnon, C.S., Li, N., Reed, C. & Phillips, T.J. (2005) Sensitivity to psychostimulants in mice bred for high and low stimulation to methamphetamine. *Genes Brain Behav*, 4(2), 110-25. [2005 Impact Factor: 4.091]

2004

1. Klein, L.C., Stine, M.M., Vandenbergh, D.J., Whetzel, C.A., & **Kamens, H.M.** (2004) Sex differences in voluntary oral nicotine consumption by adolescent mice: a dose-response experiment. *Pharmacol Biochem Behav*, 78(1), 13-25. [2004 Impact Factor: 2.527]

Submitted Manuscripts

Kamens, H.M., Silva, C.P., Nye, R.T., Miller, C.N., Singh, N., Spiko, J., Trushin, N., Sun, D., Branstetter, S.A., Muscat, J., Richie, J.P., & Foulds, J. Pharmacokinetic profile of *Spectrum* reduced nicotine cigarettes

Publications in Preparation

Neely, K.A. & **Kamens, H.M.** Dopamine D4 receptor VNTR polymorphism is associated with trait impulsivity in young adults with and without ADHD

Kamens, H.M., Dziak, J., Silva, C, & Li. R. The effect of varenicline on ethanol consumption and gene expression.

Book Chapters

Kamens, H.M., Stevens, S.H., & Ehringer, M.A. (2011) "Human Genetic Studies of CHRN genes." In H.R. Arias (Ed.), *Pharmacology of AChRs from the Basic and Therapeutic Perspectives* (pp. 19-44). Kerala, India: Research Signpost

Published Abstracts

Kamens, H.M. & Caruso, M.J. (2016) The influence of adolescent nicotine exposure on alcohol consumption and gene expression. *Alcohol Clin Exp Res*. 40(S1), 192A.

Kamens, H.M., Peck, C., & *Jenkins, B.C.*² (2015) The $\alpha 6\beta 2$ nicotinic acetylcholine receptors influence ethanol consumption. *Alcohol Clin Exp Res*. 39(S1), 69A.

Kamens, H.M., McQueen, M.B., Corley, R.P., Stallings, M.C., Hewitt, J.K., & Ehringer, M.A. (2014) Association of *CHRNA4* polymorphisms and alcohol consumption in Hispanic subjects. *Alcohol Clin Exp Res*. 38(S1), 220A.

Kamens, H.M., Cox, R.J.¹, & Ehringer, M.A. (2013) The *Chrb4* gene does not modulate ethanol consumption. *Alcohol Clin Exp Res*. 37(S2), 69A.

Ehringer, M.A., **Kamens, H.M.**, Corley, R.P., Simonson, M., Poole, A., Richmond, P., Dowell, R., Krauter, K., McQueen, M., Stallings, M., Hopfer, C., Crowley, T., & Hewitt, J. (2013) Dependence disinhibition: sequencing *CHRN* genes in a selected sample to identify novel variants. *Alcohol Clin Exp Res*. 37(S2), 256A.

Ehringer, M.A., **Kamens, H.M.**, Stephens, S.H., Flora, A.V., Gallego, X., Zambrano, C. & Stitzel, J.A. (2012) Role of CHRN genes in alcohol and tobacco co-morbidity: human and molecular genetic studies. *Alcohol Clin Exp Res*. 36(S2), 88A.

Kamens, H.M., Cox, R.J.¹, McCarthy, R.D.¹, Miyamoto, J.H., & Ehringer, M.A. (2012) The *Chrb4* gene does not modulate ethanol behaviors. *Alcohol Clin Exp Res*. 36(S1), 178A.

Kamens, H.M., Miyamoto, J.H., Stitzel, J.A., & Ehringer, M.A. (2012) SNPs upstream of the human *CHRN3* gene influence gene expression. *Genes Brain Behav*. 11(4), 486.

Kamens, H.M., Cox, R.J.¹, & Ehringer, M.A. (2011) The *Chrna6* and *Chrb3* genes do not modulate ethanol consumption. *Alcohol Clin Exp Res*. 35(S1), 73A.

- Kamens, H.M.**, Corley, R.P., Hoft, N.R., McQueen, M.B., Stallings, M.C., Brown, S.A., Crowley, T.J., Hopfer, C.J., Hewitt, J.K., & Ehringer, M.A. (2011) The role of *CHRNA4* and *CHRN2* in alcohol and nicotine behaviors. *Genes Brain Behav.* 10(4), 480.
- Kamens, H.M.**, McQueen, M.B., & Ehringer, M.A. (2010) Association of the *CHRN2* gene and DSM-IV alcohol abuse and dependence criteria. *Genes Brain Behav.* 9(4), 434.
- Kamens, H.M.**, Andersen, J.¹, & Picciotto, M.R. (2009) The $\alpha 7$ nicotinic acetylcholine receptor influences ethanol consumption. *Alcohol Clin Exp Res.* 33(S1), 304A.
- Scibelli, A.C., **Kamens, H.M.**, & Phillips, T.J. (2009) FAST mice have greater expression of the muscarinic acetylcholine subtype 5, but not subtype 4, receptor gene compared to SLOW mice. *Alcohol Clin Exp Res.* 33(S1), 208A.
- Phillips, T.J., **Kamens, H.M.**, Wheeler, J.M., & Reed C. (2009) Evidence for common genetic influences on the effects of alcohol and other addictive drugs. *Alcohol Clin Exp Res.* 33(S1), 279A.
- Klein, L.C., Kapelewski, C.H., Whetzel, M.M., Stine, M.M., & **Kamens, H.M.** (2007) Sex and age determine cumulative lifetime nicotine exposure in adolescent and adult mice. *Society for Neuroscience Abstract Viewer & Itinerary Planner.* Abstract 843.14
- Pastor, R., **Kamens, H.M.**, Ford, M.M., & Phillips, T.J. (2007) Repeated ethanol administration modifies sucrose intake patterns in WSC-1 mice: effects associated with behavioral sensitization. *Alcohol Clin Exp Res.* 31(S2), 90A.
- Kamens, H.M.** & Phillips, T.J. (2006) The role of nicotinic acetylcholine receptors in ethanol-induced stimulation in FAST-1 and FAST-2 mice. *Alcohol Clin Exp Res.* 30(S2), 131A.
- Kamens, H.M.**, Burkhart-Kasch, S., Shirley, R.L., Buck, K.J., Belknap, J.K., & Kamens, T.J. (2006) Confirmation and an attempt at fine mapping of an ethanol consumption QTL on mouse chromosome 9. *Alcohol Clin Exp Res.* 30(6S1), 221A.
- Bergeson, S.E., Mulligan, M.K., **Kamens, H.M.**, & Phillips, T.J. (2006) Transcriptome analysis of congenic mice identifies candidate genes for alcohol preference QTL. *Alcohol Clin Exp Res.* 30(6S1), 236A.
- Palmer, A.A., Veenstra-Vanderweele, J., Verbitsky, M., Suresh, R., Qadir, A., **Kamens, H.M.**, Belknap, J.K., Gilliam, T.C, Cook, E.H., Phillips, T.J & De Wit, H. (2005) Casein Kinase 1 Epsilon modulates sensitivity to stimulant drugs in both mice and humans: a translational genetic study. *Neuropsychopharmacology.* 30(S1), S211.
- Kamens, H.M.**, Li, N., & Phillips, T.J. (2005) Statistical fine mapping of a quantitative trait locus for acute ethanol-induced stimulation using congenic F2 mice. *Society for Neuroscience Abstract Viewer & Itinerary Planner.* Abstract 919.9
- Kamens, H.M.** & Phillips, T.J. (2005) The role of nicotinic acetylcholine receptors in drug-induced locomotor stimulation. *Alcohol Clin Exp Res.* 29(5S), 146A.
- Kamens, H.M.** & Phillips, T.J. (2004) The role of nicotinic acetylcholine receptors in the acute locomotor response to ethanol. *Society for Neuroscience Abstract Viewer & Itinerary Planner.* Abstract 117.14
- Kamens, H.M.**, Li, N., Burkhart-Kasch, S., McKinnon, C.S., & Phillips, T.J. (2003) Cocaine responses in mice selectively bred for high and low acute locomotor response to methamphetamine. *Society for Neuroscience Abstract Viewer & Itinerary Planner.* Abstract 643.9

Non-Published Abstracts

- Dziak, J., Deutsch, A., Li, R., & **Kamens, H.M.** High-dimensional mediation analysis of the effect of varenicline on alcohol consumption in mice. To be presented at the Joint Statistical Meetings, July 2017, Baltimore, MD.
- Miller, C.¹, Silva, C.², Peck, C., & **Kamens, H.M.** The nicotinic acetylcholine receptor partial agonist varenicline alters ethanol consumption and adolescent C57BL/6J mice. Presented at the Pennsylvania State University Undergraduate Research Exhibition, April 2017, University Park, PA. **Ms. Miller was awarded 3rd place in the Life Sciences category for this poster.**
- Thomas, J.¹ & **Kamens, H.M.** Chronic Variable Social Stress during Adolescence: Examining Affect-related Behavior and Alcohol Consumption. Presented at the Pennsylvania State University Undergraduate Research Exhibition, April 2017, University Park, PA.

- Caruso, M.J.², Reiss, D.E., Thomas, J.L.¹, Caulfield, J.I., Crowley, N.A., Baker, A.N.³, Cavigelli, S.A., & **Kamens, H.M.** Adolescent social stress differentially impacts affective behaviors and nicotine sensitivity in C57BL/6J and BALB/cJ mice. Presented at the 19th annual meeting of The International Behavioural and Neural Genetics Society, May 2017, Madrid, Spain.
- Kamens, H.M.**, Peck, C., & *Gechlik, A*¹. Nicotinic acetylcholine receptors influence ethanol behaviors in an age specific manner. Presented at the 18th annual meeting of The International Behavioural and Neural Genetics Society, May 2016, Bar Harbor, ME.
- Silva, S.P.², Caruso, M.J., Horton, W.J., & **Kamens, H.M.** The effect of nicotine exposure on ethanol consumption and gene expression: a WGCNA analysis. Presented at the 18th annual meeting of The International Behavioural and Neural Genetics Society, May 2016, Bar Harbor, ME.
- Caruso, M.J., **Kamens, H.M.**, Horton, W.J., Bourne, R.A., August, A., Klein, L.C., Bonneau, R.H., Craig, T., & Cavigelli, S.A. Hippocampal gene networks associated with anxiety- and depression-like behavior caused by adolescent asthma symptoms. Presented at the Neurobiology of Stress Workshop, April 2016, Irvine, CA.
- Kamens, H.M.** The influence of adolescent nicotine exposure on alcohol consumption and gene expression. Presented at the 17th annual meeting of The International Behavioural and Neural Genetics Society, May 2015, Uppsala, Sweden.
- Jenkins, B.C.², Klein, L.C., & **Kamens, H.M.** The influence of nicotine on alcohol consumption in adolescent C57BL/6J mice. Presented at the 21th annual meeting of the Society for Research on Nicotine and Tobacco, February 2015, Philadelphia, PA.
- Kamens, H.M.**, Corley, R.R., Richmond, P.A., McQueen, M.B., Stallings, M.C., Hopfer, C., Stitzel, J.A., Brown, S.A., Hewitt, J.K., Dowell, R.D., & Ehringer, M.A. Rare variants in the CHRNA6/CHRN3 gene region are associated with dependence vulnerability. Presented at the 16th annual meeting of The International Behavioural and Neural Genetics Society, May 2014, Chicago, IL.
- Kamens, H.M.**, Miyamoto, J.H., Stitzel, J.A., & Ehringer, M.A. Genetic variation upstream of *CHRN3* influences gene expression. Presented at the 19th annual meeting of the Society for Research on Nicotine and Tobacco, March 2013, Boston, MA.
- Kamens, H.M.**, Poole, A, Corley, R.P., McQueen, M.B., Stallings, M.C., Hopfer, C., Stitzel, J., Hewitt, J.K., Dowell, R.D., & Ehringer, M.A. Sequencing nicotinic acetylcholine receptor subunits for association with dependence vulnerability. Presented at the 18th annual meeting of the Society for Research on Nicotine and Tobacco, March 2012, Houston, TX.
- Ehringer M.A., Stitzel J.A., Flora A.V., Gallego, X., **Kamens, H.M.**, & Zambrano C. Which SNPs are functional? Molecular studies of SNPs in human *CHRN* genes associated with drug behaviors. Presented at the Nicotinic Acetylcholine Receptors meeting, May 2011, Cambridge, UK.
- Kamens, H.M.**, McQueen, M.B., Corley, R.P., Stallings, M.C., Hewitt, J.K., & Ehringer, M.A. Association of the *CHRN2* gene and DSM-IV nicotine dependence symptoms. Presented at the 17th annual meeting of the Society for Research on Nicotine and Tobacco, February 2011, Toronto, Canada.
- Hoft, N.R., **Kamens, H.M.**, Miyamoto, J.H., & Ehringer, M.A. The role of *Chma6* and *Chmb3* genes in alcohol behaviors using mouse models. Presentation at the 60th annual meeting of The American Society of Human Genetics, November 2010, Washington DC.
- McKinnon, C.S., **Kamens, H.M.**, & Phillips, T.J. A common quantitative trait locus for sensitivity to the locomotor stimulant effects of drugs with multiple initial mechanisms of action. Presented at the 10th annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.
- Holstein, S.E., **Kamens, H.M.**, Li, N., Eshleman, A.J., & Phillips, T.J. Evaluating the role of GABA_B receptors in ethanol sensitivity. Presented at the 10th annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.
- Kamens, H.M.**, Li, N., Eshleman, A.J., & Phillips, T.J. Evaluation of the alpha 3 subunit of the nicotinic acetylcholine receptor as a candidate gene for ethanol-induced locomotor activity. Presented at the 9th annual meeting of The International Behavioural and Neural Genetics Society, May 2007, Doorwerth, The Netherlands.
- Kamens, H.M.**, Li, N., McKinnon, C.S., & Phillips, T.J. Evidence for a common quantitative trait locus on chromosome 9 for acute cocaine-, ethanol-, and methamphetamine-induced stimulation.

Presented at the 8th annual meeting of The International Behavioural and Neural Genetics Society, May 2006, Vancouver, British Columbia, Canada.

Palmer, A.A., Verbitsky, M., Suresh, R., **Kamens, H.M.**, Reed, C.L., Li, N., Burkhart-Kasch, S., McKinnon, C.S., Belknap, J.K., Gillman, T.C., & Phillips, T.J. Short-term selection identifies a cis-acting expression QTL for casein kinase 1 epsilon (*Csnk1e*) that may influence sensitivity to methamphetamine. Presented at the 3rd annual meeting of the Complex Trait Consortium, June 2004, Bar Harbor, ME.

Kamens, H.M., Li, N., Burkhart-Kasch, S., McKinnon, C.S., & Phillips, T.J. Cocaine responses in mice selectively bred for high and low acute locomotor response to methamphetamine. Presented at the 21st annual Student Research Forum, May 2004, Portland, OR.

Ceballos, R.M., Stine, M.M., **Kamens, H.M.**, Whetzel, C., DeNucci, C., Bonner, J., & Klein, L.C. Forced and voluntary oral nicotine consumption do not influence body weight gain in adolescent mice. Presented at the 10th annual meeting of the Society for Research on Nicotine and Tobacco, February 2004, Scottsdale, AZ.

Kamens, H.M., Phillips, T.J., Wahlsen, D., & Crabbe, J.C. Characterization of a procedure to assess ethanol-induced ataxia. Presented at the 6th annual meeting of The International Behavioural and Neural Genetics Society, November 2003, New Orleans, LA.

Klein, L.C., Ceballos, R.M., Stine, M.M., Vandenberg, D.J., **Kamens, H.M.**, & Ellis, C. Choice oral nicotine consumption decreases body weight in adult but not adolescent C57BL/6J mice. Presented at the 9th annual meeting of the Society for Research on Nicotine and Tobacco, February 2003, New Orleans, LA.

Kamens, H.M., Stine, M.M., Ellis, C., Saltsman, B., & Klein, L.C. Sex differences in saccharin consumption in periadolescent mice. Presented at the Pennsylvania State University Undergraduate Research Exhibition, April 2002, University Park, PA.

Kamens, H.M., & Magyar, T. Outcomes of a mind-body therapy intervention on patients with Ehlers-Danlos Syndrome. Presented at the National Institutes of Health Annual Summer Poster Day, August 2000, Bethesda, MD.

Chaired Symposia

Approaching the genetics of alcoholism across different model organisms. Presented at the 10th annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.

Talks and Invited Presentations

International

Kamens, H.M., Dziak, J., Deutsch, A.R., & Li, R. The effect of varenicline on ethanol consumption and striatal gene expression using classical analytical tools and high-dimensional mediation analysis. Presented at the 19th annual meeting of The International Behavioural and Neural Genetics Society, May 2017, Madrid, Spain.

Kamens, H.M., Corley, R.P., Richmond, P.A., McQueen, M.B., Stallings, M.C., Hopfer, C., Stitzel, J.A., Brown, S.A., Hewitt, J.K., Dowell, R.D., & Ehringer, M.A. Rare variants in the *CHRNA6/CHRNA3* gene region are associated with dependence vulnerability. Presented at the 16th annual meeting of The International Behavioural and Neural Genetics Society, May 2014, Chicago, Illinois.

Kamens, H.M., Phillips, T.J., Picciotto, M.R., & Ehringer, M.A. Nicotinic acetylcholine receptors influence ethanol behaviors. Presented at the 40th annual meeting of US-Korea Summit on Science and Engineering, August 2011, Park City, Utah.

Kamens, H.M., Corley, R.P., Hoff, N.R., McQueen, M.B., Stallings, M.C., Brown, S.A., Crowley, T.J., Hopfer, C.J., Hewitt, J.K., & Ehringer, M.A. The role of *CHRNA4* and *CHRNA2* in alcohol and nicotine behaviors. Presented at the 13th annual meeting of The International Behavioural and Neural Genetics Society, May 2011, Rome, Italy.

Kamens, H.M., McQueen, M.B., Corley, R.P., Stallings, M.C., Hewitt, J.K., & Ehringer, M.A. Association of the *CHRNA2* gene and DSM-IV nicotine dependence symptoms. Presented at the 17th annual meeting of the Society for Research on Nicotine and Tobacco, February 2011, Toronto, Canada.

Kamens, H.M., Burkhart-Kasch, S., Helms, M.L., Belknap, J.K., & Phillips, T.J. The chromosome 9 quantitative trait locus for ethanol consumption: evidence for polygenic influence within this region. Presented at the 10th annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.

Kamens, H.M., Burkhart-Kasch, S., McKinnon, C.S., Li, N., Reed, C., & Phillips, T.J. Mice selectively bred for high and low acute locomotor response to methamphetamine do not differ in ethanol-induced stimulation, sensitization or metabolism. Presented at the 7th annual meeting of The International Behavioural and Neural Genetics Society, June 2005, Sitges, Spain.

National

Kamens, H.M., Miyamoto, J.H., Stitzel, J.A., & Ehringer, M.A. Genetic variation upstream of *CHRNA6* influences gene expression. Presented at the 19th annual meeting of the Society for Research on Nicotine and Tobacco, March 2013, Boston, MA.

Kamens, H.M., Andersen, J.¹, & Picciotto, M.R. The $\alpha 7$ nicotinic acetylcholine receptor influences ethanol consumption. Presented at the 32th annual meeting of The Research Society on Alcoholism, June 2009, San Diego, CA.

Kamens, H.M. The involvement of nicotinic acetylcholine receptors in ethanol stimulation and consumption. Presented at The University of Colorado, January 2009, Boulder, CO. Host: Dr. Marissa A. Ehringer.

Kamens, H.M. The involvement of nicotinic acetylcholine receptors in ethanol stimulation and consumption. Presented at The Pennsylvania State University, September 2008, State College, PA. Host: Dr. Michele M. Stine.

Kamens, H.M. Mapping quantitative trait loci for the acute locomotor response to drugs of abuse. Presented at Yale University, November 2006, New Haven, CT. Host: Dr. Marina R. Picciotto

Kamens, H.M. Mapping quantitative trait loci for the acute locomotor response to drugs of abuse. Presented at the National Institute on Alcohol Abuse and Alcoholism, October 2006, Rockville, MD. Host: Dr. Andrew Holmes

Local

Kamens, H. M., Corley, R. P., Richmond, P. A., Darlington, T. M., Dowell, R., Hopfer, C. J., Stallings, M. C., Hewitt, J. K., Brown, S. A., & Ehringer, M. A. Rare variants in *CHRNA6/CHRNA3* are associated with antisocial drug dependence. Presented at the 2nd annual Addiction Symposium, April 2016, Hershey, PA.

Kamens, H. M. Investigating the role of nicotinic acetylcholine receptors in alcohol and nicotine behaviors. Presented at the Center for Brain, Behavior, and Cognition Seminar Series, Penn State University, December 2015, University Park, PA.

Kamens, H. M. Investigating the role of nicotinic acetylcholine receptors in alcohol and nicotine behaviors. Presented at the Noll Lecture Series, Penn State University, October 2015, University Park, PA.

Kamens, H.M., Miyamoto, J., Stitzel, J.A., & Ehringer, M.A. The $\beta 3$ subunit of the nicotinic acetylcholine receptor: modulation of gene expression and nicotine consumption. Presented at the 1st annual Addiction Symposium, January 2015, Hershey, PA.

Kamens, H. M. Investigating the role of nicotinic acetylcholine receptors in alcohol and nicotine behaviors. Presented at the Biobehavioral Health Colloquium Series, Penn State University, September 2014, University Park, PA.

Kamens, H. M. Nicotinic acetylcholine receptors influence nicotine and alcohol behaviors. Presented at Molecular and Cellular Integrative Biosciences Research Talks, Penn State University, August 2014, University Park, PA.

Kamens, H. M. Nicotinic acetylcholine receptors influence nicotine and alcohol behaviors. Presented at The Methodology Center Brown Bag Seminar Series, Penn State University, March 2014, University Park, PA.

Kamens, H.M. Nicotinic acetylcholine receptors influence nicotine and alcohol behaviors. Presented at The Pennsylvania State University, March 2012, University Park, PA. Host: Dr. David J. Vandenberg.

Kamens, H.M., Li, N., & Phillips, T.J. Statistical fine mapping of a quantitative trait locus for acute ethanol-induced stimulation using congenic F2 mice. Presented at the 5th annual meeting of the Society for Neuroscience Oregon Chapter, April 2005, Salishan, OR.

Membership in Professional Societies

Council for Undergraduate Research (2017 – present)
International Behavioural and Neural Genetics Society (2003 – present)
 Program Committee (2006 – 2008)
 Member-At-Large (2009 – 2012)
 Webmaster (2009 – 2013)
 Local Organizing Committee (2012)
 Secretary (2014 – 2017)
Research Society on Alcoholism (2003 – present)
Society for Neuroscience (2003 – 2008)
Society for Research on Nicotine and Tobacco (2002 – 2003, 2011 – present)
 Program Committee (2018 - present)

Professional Experience

Guest Associate Editor, *Genes, Brain and Behavior*, for a special section on the genetics of alcoholism volume 8 issue 6.

Journal Editorial Boards

2014 – present *Frontiers in Genetics, Toxicogenomics*, Review Editor

Ad-Hoc Manuscript Reviews (for 25 journals)

Addiction; Addiction Biology; Alcohol; Alcoholism: Clinical and Experimental Research; Behavioral Sciences; Behavioural Brain Research; Biological Psychiatry; British Journal of Pharmacology; BMC Neuroscience; Comprehensive Psychiatry; Genes, Brain and Behavior; Journal of Neurochemistry; Molecular Psychiatry; Neuroscience Letters; Neuropharmacology; Nicotine & Tobacco Research; Pharmaceutical Biology; Physiology & Behavior; PLoS One; Progress in Neurobiology; Psychiatric Genetics; Psychoneuroendocrinology; The American Journal of Drug and Alcohol Abuse; The American Journal on Addictions; Scientific Reports

Grant Reviews

2017 Tobacco-Related Disease Research Program, University of California
 Nicotine Dependence Study Section (Fall Panel)

2017 Tobacco-Related Disease Research Program, University of California
 Nicotine Dependence Study Section (Spring Panel)

2016 Social Science Research Institute, Penn State University, Ad-hoc Reviewer

2016 Tobacco-Related Disease Research Program, University of California
 Nicotine Dependence Study Section

2015 Tobacco-Related Disease Research Program, University of California
 Nicotine Dependence Study Section

2013 Tobacco-Related Disease Research Program, University of California
 Nicotine Dependence Study Section

2013 Mid-Atlantic Nutrition Obesity Research Center, University of Maryland School of Medicine
 (*ad hoc*)

Abstract Reviewer

2017 Society for Research on Nicotine and Tobacco Annual Meeting
2015 Society for Research on Nicotine and Tobacco Annual Meeting
2014 Society for Research on Nicotine and Tobacco Annual Meeting

Professional Service at Penn State

Department

2018 – present	Chair	Biobehavioral Health Colloquium Committee
2018 – present	Member	Biobehavioral Health - Faculty Search Committee
2017 – 2018	Co-Chair	Biobehavioral Health Colloquium Committee
2017 – 2018	Chair	Biobehavioral Health Website Committee
2017	Member	The Gerald E. “Jerry” McClearn Memorial Symposium at Penn State Organizing Committee
2017	Member	Biobehavioral Health – Online Instructor Search Committee
2016 – 2017	Member	Biobehavioral Health Colloquium Committee
2014 – 2016	Chair	Biobehavioral Health Genetics Curriculum Committee
2014 – 2015	Member	Biobehavioral Health Graduate Program Committee
2014 – 2015	Member	Biobehavioral Health - Health Disparities Faculty Search Committee
2013 – 2014	Member	Biobehavioral Health Graduate Admissions Committee

College

2018 – present	Member	College Honors Advisor Council
2016 – present	Member	Biological and Life Sciences Interest Group, Animal Research Subcommittee
2015 – 2016	Member	Biobehavioral Health Department Head Search Committee
2014 – 2015	Member	Biological and Life Sciences Interest Group, Funding Subcommittee
2014 – present	Member	Biological and Life Sciences Interest Group

University

2018 – present	Advisor	Honors Advisor for Biobehavioral Health
2016 – present	Member	Animal Facilities Task Force
2014 – 2017	Member	Neuroscience Admission Committee

Supervision of student research

* indicates co-author on abstract

indicates co-author on published manuscript

Undergraduate Student (Primary Mentor)

Anna Wickenheisser	Biobehavioral Health	2019 – present
Aidan Peat	Biology	2018 – present
Rachel Bartlett	Biology	2018 – present
Grant Swisher	Biology	2018 – present
Colton Ruggery#	Premedicine	2017 – present
Kylie Stuhltrager	Biobehavioral Health	2017 – present
Sonali Patel	Premedicine	2017 – 2018
Reid Horstmyer	Electrical Engineering	2018
Annie Hess	Biobehavioral Health	2018
Valerie Godoy	Biobehavioral Health	2018
Carley Miller**	Science	2015 – 2018
Zahare Khayat	Science	2017
Tori Pascoe	Biology	2016 – 2017

Abigail Brittingham	Biobehavioral Health	2016 – 2017
Luke Gallaher	Biology	2016
Jacob Thomas**	Biology	2015 – 2017
Akshat Rajan#	Biology	2015 – 2016
Varna Jammula	Biobehavioral Health	2015
Anna Miller	Biology	2015
Alexandra Ulven	Biochemistry & Molecular Biology	2015
Alex Gechlik**	Biology	2014 – 2016
Patrick Harper	Toxicology	2014 – 2016
Sohee Min	Biotechnology	2014
Sydni Shub	Biobehavioral Health	2014
Nina Reiser	Biology	2014 – 2015
Caitlin Garrity#	Biobehavioral Health	2014 – 2015
Rebecca Sech	Biobehavioral Health	2013 – 2014
Marissa Soto#	Psychology (University of Colorado)	2012 – 2013
Kasey Ro#	Integrative Physiology (University of Colorado)	2012 – 2013
Riley McCarthy**	Integrative Physiology (University of Colorado)	2011
Ryan Cox**	Integrative Physiology (University of Colorado)	2010 - 2011
Laura Rosada-Maldonado	Biology (University of Puerto Rico)	2010
Coral Cabrera-Montalvo	Biology (University of Puerto Rico)	2010
Maricarmen Stout	Integrative Physiology (University of Colorado)	2009 - 2011
Jimena Andersen**	Biochemistry (University of Bath)	2008 - 2009
Ijang 'Lina' Ngando	Biology (Pacific University)	2005

Graduate Students (Primary Mentor)

Lah-Nhi Phung	Biobehavioral Health	2018 - present
Constanza Silva Gallardo**	Biobehavioral Health	2015 - present
Brenita Jenkins**	Molecular, Cellular and Integrative Bioscience	2014 - 2015

Graduate Students (Mentor for Research Rotation)

Allison Baker**	Neuroscience	2016
Laurel Seemiller#	Molecular, Cellular and Integrative Bioscience	2017
Dakota Brockway	Neuroscience	2018

Postdoctoral Trainee (Primary Mentor)

Michael Caruso**	Biobehavioral Health	2017
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Title and Source: Student Support Grants

<u>Title and Source: Student Support Grants</u>	<u>Period</u>	<u>Award Total</u>
“The Effects of the $\alpha 3\beta 4$ Nicotinic Acetylcholine Receptor Antagonist, 18-Methoxycoronaridine (18-MC), On Alcohol-Related Behaviors” Penn State University, Faculty Mentor for Colton Ruggery, Erickson Discovery Grant, Sponsor	2018	\$3,500
“Genetic and Age Contributions to Nicotine Sensitivity in Male Mice” Penn State University, Faculty Mentor for Carley Miller, Erickson Discovery Grant, Sponsor	2017	\$3,500
“The Effects of Chronic Variable Social Stress during Adolescence on Adult Ethanol Consumption in Mice” Penn State University, Faculty Mentor for Jacob Thomas, Erickson Discovery Grant, Sponsor	2016	\$3,500

Dissertation Committee – Ph.D. Student

<u>Date</u>	<u>Student</u>	<u>Role</u>	<u>Department</u>
2018 – present	Jasmine Caulfield	Member	Neuroscience
2016 – present	Yikang Liu	Member	Biomedical Engineering
2014 – 2017	Michael Caruso	Co-Chair	Biobehavioral Health
2014	Alicia Revitsky	Member	Neuroscience Graduate Program

Comprehensive Exam Committee – Ph.D. Student

<u>Date</u>	<u>Student</u>	<u>Role</u>	<u>Department</u>
2018 – present	Dana Zeid	Member	Biobehavioral Health
2018 – present	Constanza Silva Gallardo	Chair	Biobehavioral Health
2018	Jasmine Caulfield	Member	Neuroscience
2018	Caitlin Coker	Member	Anatomy (*PSU Hershey)
2016	Yikang Liu	Member	Biomedical Engineering
2015	Michael Caruso	Member	Biobehavioral Health

Candidacy Committee – Ph.D. Student

<u>Date</u>	<u>Student</u>	<u>Role</u>	<u>Department</u>
2018	Laurel Seemiller	Chair	Molecular, Cellular and Integrative Biosciences
2016 – 2017	Dana Zeid	Member	Biobehavioral Health
2016	Jessica Braymiller	Member	Biobehavioral Health
2015 – 2016	Constanza Silva Gallardo	Chair	Biobehavioral Health

Masters Thesis Committee

<u>Date</u>	<u>Student</u>	<u>Role</u>	<u>Department</u>
2015	Brenita Jenkins	Chair	Molecular, Cellular and Integrative Biosciences

Mentor on Institutional Training Grant – Biomedical Big Data to Knowledge

<u>Date</u>	<u>Student</u>	<u>Role</u>
2017 – present	Jiawei Wen	Co-Mentor
2017 – present	Constanza Silva Gallardo	Primary Mentor

Schreyer Honors Thesis

<u>Date</u>	<u>Student</u>	<u>Role</u>	<u>Department</u>
2017	Jacob Thomas	Mentor	Biology

Teaching Experience

The Pennsylvania State University, University Park, PA

2018 **BBH297** Biobehavioral Aspects of Genetics (Fall)
Professor (**37.5 hours**; 38 undergraduate students)

BBH 501 Biobehavioral Systems in Health & Development: Theory and Processes (Spring)
Professor (**37.5 hours**; 12 graduate students)

BBH 451 Pharmacological Influences on Health (Spring)
Professor (**37.5 hours**; 70 undergraduate students)

BBH 503 Biobehavioral Systems in Health & Development: Processes and Integration
(Spring)
Guest Lectures: Genetics and Epigenetics

- Guest lecturer at 2 classes (**2.5 hours**; 4 graduate students)
- 2017 **BBH 597** Orientation to Biobehavioral Health: Professional Development (Fall)
 Guest Discussant: Academic societies and meetings
 Discussant at 1 classes (**2 hours**; 3 graduate students)
- BBH297** Biobehavioral Aspects of Genetics (Fall)
 Professor (**37.5 hours**; 18 undergraduate students)
- PSU14** First-Year Seminar Health and Human Development (Fall)
 Professor (**12.5 hours**; 25 undergraduate students)
- BBH 503** Biobehavioral Systems in Health & Development: Processes and Integration (Spring)
 Guest Lectures: Genetics and Epigenetics
 Guest lecturer at 2 classes (**2.5 hours**; 5 graduate students)
- 2016 **BBH297** Biobehavioral Aspects of Genetics (Fall)
 Professor (**37.5 hours**; 38 undergraduate students)
- BBH 101WC** Introduction to Biobehavioral Health (Summer)
 Professor (**37.5 hours**; 40 undergraduate students)
- BBH/BIOL 470** Functional and Integrative Neurosciences (Spring)
 Professor (**37.5 hours**; 50 undergraduate students)
- 2015 **BBH/BIOL 470** Functional and Integrative Neurosciences (Fall)
 Guest Lecture: Drug use and abuse
 Guest lecturer at 1 class (**1.25 hours**; 13 undergraduate students)
- BBH/BIOL 470** Functional and Integrative Neurosciences (Spring)
 Professor (**37.5 hours**; 70 undergraduate students)
- BBH 311** Interdisciplinary Integration in Biobehavioral Health (Spring)
 Guest Lecture: Animal Models
 Guest lecturer at 1 class (**1.25 hours**; 190 undergraduate students)
- 2014 **BBH/BIOL 470** Functional and Integrative Neurosciences (Fall)
 Guest Lecture: Drug use and abuse
 Guest lecturer at 1 class (**1.25 hours**; 20 undergraduate students)
- KINES 360** The Neurobiology of Motor Control and Development (Fall)
 Guest Lecture: The Auditory System
 Guest lecturer at 1 class (**1.25 hours**; 180 undergraduate students)
- BBH 311** Interdisciplinary Integration in Biobehavioral Health (Fall)
 Guest Lecture: Animal Models
 Guest lecturer at 1 class (**1.25 hours**; 125 undergraduate students)
- BBH 501** Biobehavioral Systems in Health & Development: Theory & Process (Fall)
 Guest Lecture: Nicotinic acetylcholine receptors influence nicotine and alcohol behaviors

Guest lecturer at 1 class (**1.25 hours**; 8 graduate students)

BBH 311 Interdisciplinary Integration in Biobehavioral Health (Spring)
Professor (**37.5 hours**; 40 undergraduate students)

NEURO 597A Current Topics in Neuroscience (Spring)
Guest Lecture: Behavioral Genetics of Alcohol and Nicotine Use
Guest lecturer at 1 class (**1.25 hours**; 7 graduate students)

University of Colorado, Boulder, CO

2013 **IPHY 5262** Application of Bioinformatics and Genomics (Spring)
Guest Lecture: Next Generation Sequencing
Guest lecturer at 1 class (**3 hours**; 10 graduate students)

PSYC 5423 Genetics of Psychopathology (Spring)
Guest Lecture: Detecting Genetic Associations with Sequence Data
Guest lecturer at 1 class (**3 hours**; 5 graduate students)

Denver School of Nursing, Denver, CO

2011 **BIO 240** Human Genetics & Genomics (Spring)
Professor (**40 hours**; 8 students)

BIO 240 Human Genetics & Genomics (Summer)
Professor (**40 hours**; 12 students)

BIO 240 Human Genetics & Genomics (Winter)
Professor (**40 hours**; 14 students)

Academic References

Dr. Tamara J. Phillips
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Mail Code L470
Portland, OR 97239
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Dr. John C. Crabbe
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3181 SW Sam Jackson Park Road
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Portland, OR 97239
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Dr. Marina R. Picciotto
Professor of Psychiatry
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3rd Floor Research
New Haven, CT 06520
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Dr. Marissa Ehringer
Associate Professor of Integrative Physiology and Faculty Fellow of the Institute for Behavioral Genetics
University of Colorado
1480 30th St
Boulder, CO 80309
(303) 492-1463
Marissa.Ehringer@colorado.edu