

## CURRICULUM VITAE (3/21/17)

### Helen Marie Kamens

Address: 219 Biobehavioral Health Building  
The Pennsylvania State University  
University Park, PA 16802

Office: 228 Biobehavioral Health Building  
Phone: (814) 865-1269  
Cell: (814) 954-0627  
E-mail: Helen.Kamens@psu.edu

#### 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>
KO1 AA019447 Kamens (PI) National Institute on Alcohol Abuse and Alcoholism, NIH “Genetics of alcohol and nicotine behaviors” Role: Principal Investigator	2011-2017	\$726,837
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
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 Impact of Nicotine Administration on Ethanol Consumption” Role: Principal Investigator	2015-2016	\$4,938
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	2015-2016	\$5,000
TCORS Pilot Grant Kamens (PI) Penn State – Tobacco Center of Regulatory Science “Pharmacokinetics of Spectrum research cigarettes with reduced nicotine content” Role: Principal Investigator	4/1/16-9/31/17	\$49,000

**SUBMITTED**

<u>Title and Source: Research Funding</u>	<u>Period</u>	<u>Award Total</u>
R21 Kamens (PI) National Institute on Drug Abuse “Examining interactions between stress and <i>Chrb3</i> on nicotine phenotypes” Role: Principal Investigator	2016-2018	\$275,000
R03 Kamens (PI)	2016-2017	\$75,000

National Institute on Drug Abuse  
 “Examining the effect of adolescent social stress on nicotine and anxiety phenotypes”  
 Role: Principal Investigator

DP1 Kamens (PI)	2017-2022	\$1,500,000
National Institute on Drug Abuse		
“Integrating Genomic and Epigenetic Responses to Nicotine”		
Role: Principal Investigator		

**COMPLETED**

<u>Title and Source: Research Funding</u>	<u>Period</u>	<u>Award Total</u>
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**

**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)

## Publications

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

Graduate and undergraduate students working with the candidate are *italicized*

<sup>1</sup>Denotes undergraduate student trainee under candidate's supervision.

<sup>2</sup>Denotes graduate student trainee under candidate's supervision.

<sup>3</sup>Denotes graduate student trainee working with candidate on single project.

**Kamens, H. M.**, Peck, C., *Garrity, C.<sup>1</sup>, Gechlik, A.<sup>1</sup>, Jenkins, B. C.<sup>2</sup>, & Rajan, A.<sup>1</sup>* (In Press)  $\alpha 6\beta 2$  Nicotinic Acetylcholine Receptors Influence Locomotor Activity and Ethanol Consumption. Alcohol  
 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

**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) Rare variants in *CHRNA6/CHRN3* are associated with antisocial drug dependence. Behav Genet, 46(5), 693-704. PMID: PMC4975622

*Locker, A.R.<sup>3</sup>, 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

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., Grucza, 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
- Kamens, H.M.**, Miyamoto, J., Powers, M.S., Ro, K.<sup>1</sup>, Soto, M.<sup>1</sup>, Cox, R.<sup>1</sup>, 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
- 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
- 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
- \*Kamens, H.M.**, \*Hoft, N.R., Cox, R.J.<sup>1</sup>, Miyamoto, J.H., & Ehringer, M.A. (2012) The *Chrna6* gene influences the sedative-hypnotic effects of alcohol. *Alcohol*, 46, 463-471. **\*These authors contributed equally to this work.** PMID: PMC3403529
- 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
- Kamens, H.M.**, Andersen, J.<sup>1</sup>, & 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
- 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
- Kamens, H.M.**, Andersen, J.<sup>1</sup>, & 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
- Picciotto, M.R., Brabant, C., Einstein, E.B., **Kamens, H.M.**, & Neugebauer, N.M. (2010) Potential mechanisms underlying the effects of galanin on addiction- and stress-related behaviors. *Brain Res*, 1314, 206-218. PMID: PMC2819596
- 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
- \*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
- \*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

- 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.
- 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.
- Kamens, H.M.**, & Crabbe, J.C. (2007) The parallel rod floor test: a measure of ataxia in mice. *Nature Protocols*, 2(2), 277-281.
- 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.
- 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.
- 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.
- 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.
- Klein, L.C., Stine, M.M., Vandenberg, 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.

#### **Submitted Publications**

- Kamens, H.M.**, Silva, C.<sup>2</sup>, McCarthy, R.D.<sup>1</sup>, Cox, R.J.<sup>1</sup>, & Ehringer, M.A. (Submitted to BMC Research Notes) No evidence of a role of the  $\beta 4$  subunit of the nicotinic acetylcholine receptor in alcohol-related behaviors.
- Caruso, M. J.<sup>3</sup>, **Kamens, H. M.**, & Cavigelli, S. A. (Submitted to Developmental Psychobiology) Exposure to chronic variable social stress during adolescence alters anxiety- and depression-like behaviors in adult male and female inbred mice.

#### **Publications in Preparation**

Caruso, M.J., Reiss, D.E., Caulfield, J.I., Thomas, J.L., Baker, A.N., Cavigelli, S.A., & **Kamens, H.M.** Adolescent chronic variable social stress influences affect-related behavior and nicotine sensitivity in male and female BALB/cJ mice

**Kamens, H.M.**, Silva, C., Peck, C., & Miller, C. Varenicline influence ethanol behaviors in an age specific manner.

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

Silva, C., Caruso, M., Horton, W., Klein, L. C., & **Kamens, H. M.** The effect of nicotine exposure on ethanol consumption and gene expression.

**Kamens, H. M.** 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.*<sup>3</sup> 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.*<sup>2</sup> (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.<sup>1</sup>, & 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.<sup>1</sup>, *McCarthy, R.D.*<sup>1</sup>, 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.<sup>1</sup>, & 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.*<sup>1</sup>, & 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**

- Caruso, M.J.**<sup>3</sup>, **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 in male BALB/cJ mice. Submitted for presentation at the annual meeting of the Society for Neuroscience, November 2016, San Diego, CA.
- Kamens, H.M.**, Peck, C., & **Gechlik, A**<sup>1</sup>. Nicotinic acetylcholine receptors influence ethanol behaviors in an age specific manner. Presented at the 18<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2016, Bar Harbor, ME.
- Silva, S.P.**<sup>2</sup>, **Caruso, M.J.**<sup>3</sup>, Horton, W.J., & **Kamens, H.M.** The effect of nicotine exposure on ethanol consumption and gene expression: a WGCNA analysis. Presented at the 18<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2016, Bar Harbor, ME.
- Caruso, M.J.**<sup>3</sup>, **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 17<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2015, Uppsala, Sweden.
- Jenkins, B.C.**<sup>2</sup>, Klein, L.C., & **Kamens, H.M.** The influence of nicotine on alcohol consumption in adolescent C57BL/6J mice. Presented at the 21<sup>th</sup> 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 16<sup>th</sup> 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 19<sup>th</sup> 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 18<sup>th</sup> 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 17<sup>th</sup> 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 *Chrna6* and *Chrn3* genes in alcohol behaviors using mouse models. Presentation at the 60<sup>th</sup> 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 10<sup>th</sup> 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<sub>B</sub> receptors in ethanol sensitivity. Presented at the 10<sup>th</sup> 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 9<sup>th</sup> 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 8<sup>th</sup> 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 3<sup>rd</sup> 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 21<sup>st</sup> 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 10<sup>th</sup> annual meeting of the Society for Research on Nicotine and Tobacco, February 2004, Scottsdale, AZ.
- Kamens, H.M.**, Phillips, T.J., Wahlsten, D., & Crabbe, J.C. Characterization of a procedure to assess ethanol-induced ataxia. Presented at the 6<sup>th</sup> 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 9<sup>th</sup> 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.**, & Magyari, 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 10<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.

### **Talks and Invited Presentations**

**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/CHRN3* 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 1<sup>st</sup> 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.,** 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 16<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2014, Chicago, Illinois.
- 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.,** Miyamoto, J.H., Stitzel, J.A., & Ehringer, M.A. Genetic variation upstream of *CHRNA3* influences gene expression. Presented at the 19<sup>th</sup> annual meeting of the Society for Research on Nicotine and Tobacco, March 2013, Boston, MA.
- 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.,** Phillips, T.J., Picciotto, M.R., & Ehringer, M.A. Nicotinic acetylcholine receptors influence ethanol behaviors. Presented at the 40<sup>th</sup> annual meeting of US-Korea Summit on Science and Engineering, August 2011, Park City, Utah.
- 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. The role of *CHRNA4* and *CHRNA2* in alcohol and nicotine behaviors. Presented at the 13<sup>th</sup> 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 17<sup>th</sup> annual meeting of the Society for Research on Nicotine and Tobacco, February 2011, Toronto, Canada.
- Kamens, H.M.,** Andersen, J.<sup>1</sup>, & Picciotto, M.R. The  $\alpha 7$  nicotinic acetylcholine receptor influences ethanol consumption. Presented at the 32<sup>th</sup> 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.,** 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 10<sup>th</sup> annual meeting of The International Behavioural and Neural Genetics Society, May 2008, Portland, OR.

- 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
- Kamens, H.M.,** Burkhardt-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.
- 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**

- 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 – present)
- Research Society on Alcoholism (2003 – present)  
 Society for Neuroscience (2003 – 2008)  
 Society for Research on Nicotine and Tobacco (2002 – 2003, 2011 – 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

### Manuscript Reviews

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

## Grant Reviews

- 2017 Tobacco-Related Disease Research Program, University of California  
Nicotine Dependence Study Section
- 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

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

## **Supervision of student research**

\* indicates co-author on abstract

# indicates co-author on published manuscript

& indicated co-author on a submitted manuscript

## Undergraduate Students

Kylie Stuhltrager	Biobehavioral Health (Penn State University)	2017 – present
Tori Pascoe	Biology (Penn State University)	2016 – present
Abigail Brittingham	Biobehavioral Health (Penn State University)	2016 – present
Jacob Thomas	Biology (Penn State University)	2015 – present
Carley Miller	Science (Penn State University)	2015 – present
Luke Gallaher	Biology (Penn State University)	2016
# Akshat Rajan	Biology (Penn State University)	2015 – 2016
Varna Jammula	Biobehavioral Health (Penn State University)	2015
Anna Miller	Biology (Penn State University)	2015
Alexandra Ulven	Biochemistry & Molecular Biology (Penn State University)	2015
*# Alex Gechlik	Biology (Penn State University)	2014 – 2016
Patrick Harper	Toxicology (Penn State University)	2014 – 2016
Sohee Min	Biotechnology (Penn State University)	2014
Sydni Shub	Biobehavioral Health (Penn State University)	2014
Nina Reiser	Biology (Penn State University)	2014 – 2015
# Caitlin Garrity	Biobehavioral Health (Penn State University)	2014 – 2015
Rebecca Sech	Biobehavioral Health (Penn State University)	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

&* Constanza Silva Gallardo	Biobehavioral Health (Penn State University)	2015 - present
*# Brenita Jenkins	Molecular, Cellular and Integrative Bioscience (PSU)	2014 - 2015

**Dissertation Committee – Ph.D. Student – Member**

2014 – present	Michael Caruso	Biobehavioral Health
2014	Alicia Revitsky	Neuroscience Graduate Program

**Comprehensive Exam Committee – Ph.D. Student – Member**

2016	Yikang Liu	Biomedical Engineering
2015	Michael Caruso	Biobehavioral Health

**Candidacy Committee – Ph.D. Student – Chair**

2015 – 2016	Constanza Silva Gallardo	Biobehavioral Health
-------------	--------------------------	----------------------

**Candidacy Committee – Ph.D. Student – Member**

2016 – present	Dana Zeid	Biobehavioral Health
2016	Jessica Braymiller	Biobehavioral Health

**Masters Thesis Committee – Chair**

2015	Brenita Jenkins	Molecular, Cellular and Integrative Biosciences
------	-----------------	---

**Teaching Experience and Educational Outreach Activities**

The Pennsylvania State University, University Park, PA

2017	<b>BBH 503</b> 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	<b>BBH297</b> Biobehavioral Aspects of Genetics (Fall) Professor (40 hours; 38 undergraduate students)
	<b>BBH 101WC</b> Introduction to Biobehavioral Health (Summer) Professor (40 hours; 40 undergraduate students)
	<b>BBH/BIOL 470</b> Functional and Integrative Neurosciences (Spring) Professor (40 hours; 50 undergraduate students)
2015	<b>BBH/BIOL 470</b> Functional and Integrative Neurosciences (Fall) Guest Lecture: Drug use and abuse Guest lecturer at 1 class (1.25 hours; 13 undergraduate students)
	<b>BBH/BIOL 470</b> Functional and Integrative Neurosciences (Spring) Professor (40 hours; 70 undergraduate students)
	<b>BBH 311</b> 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 (40 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)

**Course developer and instructor**, University of Colorado Science Discovery: Drugs, Brain and Behavior class, 2010.

**Course developer and instructor**, Saturday Academy of Portland: Neuroscience course, 2006.

**Presenter** "Drugs, Brain and Behavior", University of Colorado Science Discover, 2011.

**Presenter** "NIDA: Shattering the Myths", Ralston Elementary, 2010.

**Presenter** “Mechanisms of alcohol and nicotine co-abuse: The role of acetylcholine receptors in alcohol behaviors”, University of Colorado Neuroscience Club, 2009.

**Presenter** “Of Brains and Safety”, Park Rose City Elementary School, 2006.

**Presenter** “Of Brains and Safety”, Maplewood Elementary School, 2006

**Presenter**, West Linn High School psychology class, 2005.

**Volunteer**, Northwest Undergraduate Science Research Conference, 2006.

**Volunteer**, Portland Public School Bowl Off, 2006.

**Volunteer**, Northwest Undergraduate Science Research Conference, 2005.

**Volunteer**, KIDS! Discover OHSU Outreach Program, 2005.

**Volunteer**, Brain Bowl, 2004.

**Exhibitor**, Brain Awareness Week Fair, 2006.

**Exhibitor**, Brain Awareness Week Fair, 2005.

**Exhibitor**, Brain Awareness Week Fair, 2004.

**Exhibitor**, Kids Judge! Science Fair, 2003.

**Coordinator**, Brain Bowl, 2006.

**Member**, Society for Neuroscience Oregon Chapter Science Advocacy, 2005 - 2007.

**Member of the organizing committee**, Brain Bowl, 2005.

### **Academic References**

Dr. Tamara J. Phillips  
Professor of Behavioral Neuroscience and VA Research Career Scientist  
3181 SW Sam Jackson Park Road  
Mail Code L470  
Portland, OR 97239  
(503) 220-8262 ext 56674  
[phillipt@ohsu.edu](mailto:phillipt@ohsu.edu)

Dr. John C. Crabbe  
Professor of Behavioral Neuroscience and VA Senior Research Career Scientist  
3181 SW Sam Jackson Park Road  
Mail Code L470  
Portland, OR 97239  
(503) 220-8262 ext 55298  
[crabbe@ohsu.edu](mailto:crabbe@ohsu.edu)

Dr. Marina R. Picciotto  
Professor of Psychiatry  
34 Park St  
3<sup>rd</sup> Floor Research  
New Haven, CT 06520  
(203) 737-2041  
[Marina.Picciotto@Yale.edu](mailto:Marina.Picciotto@Yale.edu)

Dr. Marissa Ehringer  
Associate Professor of Integrative Physiology and Faculty Fellow of the Institute for Behavioral Genetics  
University of Colorado  
1480 30<sup>th</sup> St  
Boulder, CO 80309  
(303) 492-1463  
[Marissa.Ehringer@colorado.edu](mailto:Marissa.Ehringer@colorado.edu)