

Curriculum Vitae

Melloni Nicole Cook

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BIOGRAPHICAL

Citizenship: U.S.A.

ADDRESS

Professional: Psychology Department

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EDUCATION

Formal

Ph.D. 1996, Biobehavioral Health, The Pennsylvania State University, University Park, PA

Dissertation: Region-Specific Differences in Monoamine Response to Cocaine: Sex and Genetic Influences

B.S. 1991, Biology, Mary Washington College, Fredericksburg, VA (renamed University of Mary Washington)

PROFESSIONAL EXPERIENCE

September 2009-present Associate Professor, Department of Psychology, University of Memphis

July 2017-July 2018, Visiting Scholar, Department of Genetics, Genomics, and Informatics, The University of Tennessee Health Sciences Center, Memphis, TN

August 2003- August 2009 Assistant Professor, Department of Psychology, University of Memphis, Memphis, TN

1998-2003 Molecular/Behavioral Genetics Postdoctoral Fellow, Genomics Institute/Wadsworth Center, New York State Department of Health, Albany, NY

1996-1998 Molecular Genetics Postdoctoral Fellow, Neurogénétique et Stress, INSERM U471, University of Bordeaux II, France

SHORT COURSES ATTENDED

1995 Neurobehavioral Genetics, First French-American School on Neurobehavioral Genetics, Paris, France

1991 Neuroscience, American Psychological Association Minority Fellowship Program Summer Workshop, Marine Biological Laboratories, Woods Hole, MA

1990 Independent Research: Neuropharmacology, Summer Minority Access to Research Training Program, University of Colorado, Boulder, CO

HONORS

2017-2018 University of Memphis, Professional Development Assignment Leave

2012 University of Memphis, Inaugural Faculty PI Millionaires Club

2012 University of Memphis, College of Arts and Sciences, W. Russell Smith Award for Teaching Excellence

2012 University of Memphis Igniting Excitement for Academic Excellence Award

2012 Michael and Shirley Lupfer Excellence in Undergraduate Teaching Award

2009 University of Memphis, College of Arts and Sciences, Award for Teaching Excellence

1998-2003 MH-58559 Minority Supplement Award, Postdoctoral Fellowship; NIMH

1997-1998 MIRT (Minority International Research Training) and Fogarty International Programs Postdoctoral Fellow; Bordeaux France

1996-1997 Chateaubriand Postdoctoral Fellow, Government of France

1995, Student Member, Organizing Committee, Gordon Conference on Catecholamines

1994-1996, 5P01 DA07171-04, Minority Supplement Award

1991-1994, NIMH T32 MH 18882 APA Predoctoral Fellow, Minority Program for Training in Neuroscience

FUNDING

University of Memphis, Faculty Research Grant: Examination of Pten as a candidate gene for Schizophrenia-related behavior in mice. 6/1/12- 6/13

5U01AA014425-02 (Lu, Lu, PI) NIAAA 6/1/04-5/31/09 Ethanol Mediation of Stress Responses. Subaward to MN Cook (6/1/05-5/31/09)

5R01DA020677 (Goldowitz, D, PI) NIDA Mittleman, Guy, Melloni N. Cook, and Charles D. Blaha, "Gene to Phenotypes Networks for Alcohol and Drug Addiction." Subcontract from University of Tennessee Health Science Center.

Cook, Melloni, University of Tennessee Health Science Center, INIA: Mouse Resources Core: UT Memphis/sub NIH-NIAAA." Continued years 3-5 as subcontract from University of British Columbia.

5U01AA013509-05 (Matthews, Douglas, PI) NIAAA Year 5 (2008) Melloni N. Cook, co-PI INIA: System Mechanisms in Stress-Alcohol Interactions

INIA Pilot Project Grant (MNCook, PI) INIA East 1/2004-12/31/2005, Early stress, genetics, anxiety and alcohol abuse.

R21MH67946-01 (MN Cook, PI) NIMH 6/1/04-6/30/06, Genetic dissection of anxiety in mice.

U01-MH61971 (Daniel Goldowitz, PI) NIMH 07/1/00-12/31/05, Targeted Mutagenesis of the Mouse Genome and Neural Phenotypes TMGC Principal Investigator of Behavioral Domain: MN Cook

College of Arts and Sciences; Early Career Research Grant (MN Cook, PI), 8/03-12/04, Effects of Stressors during early life on anxiety-and drug-related behaviors in adult mice.

Grants Submitted/Under Review

GRANTS IN PREPARATION

Atad1 as a Candidate gene for Schizophrenia Related Behavior. MN Cook (UofM), Lu Lu (UTHSC) and R. Williams (UTHSC)

Grants not funded

Cook MN and Lu Lu (2009) The role of epigenetics in stress-related gene expression changes.

Gsk3 (Glycogen Synthase 3) as a Complex Trait. M.N.Cook (UofM) and B.C. Jones (UTHSC). (2017, 2018 resubmission). Multi-PI.

PROFESSIONAL ACTIVITIES

Member, Complex Trait Consortium

Member, Tennessee Mouse Genome Consortium

SERVICE

DEPARTMENTAL

University of Memphis, Psychology Department, Animal Facilities Committee 2003-present

University of Memphis, Psychology Department, Diversity Committee, 2006-2007 Chair, Member 2006-2014; Co-Chair 2014-2015

University of Memphis, Psychology Department, Behavioral Neuroscience Search Committee, 2007-2008; 2014; 2015

Advisor, University of Memphis Chapter of Psi Chi

Advisor and Coordinator, Psychology Honors Program

EXTRA-DEPARTMENTAL

University of Memphis, Department of Exercise and Sports Sciences Search Committee, 2015

COLLEGE OF ARTS AND SCIENCES

University of Memphis, College of Arts and Sciences Tenure and Promotion Committee, Fall 2015

College of Arts and Sciences, Chair, Special Committee for Student Misconduct/Grievance Case (Appointed by Vice Provost for Research); 2005

College of Arts and Sciences, Committee for University Veterinarian Search, University of Memphis, Fall 2004

College of Arts and Sciences, Committee for Psychology Chair Search, University of Memphis, Fall-Winter, 2003 (Committee appointed by College Dean)

UNIVERSITY

University of Memphis, Search Committee, Veterinary Pathologist Joint venture with TriMetis, 2016

University of Memphis, IMC Steering Committee, 2015

University of Memphis, Student Activities Fee Allocations Committee, 2012-present

University of Memphis, Institutional Review Board, Alternate Member, 2012-2016

University of Memphis, Tenure and Promotion Appeals Committee, 2009-2011

University of Memphis, Works in Progress Evaluator, 2006-present

University of Memphis, Academic Integrity Committee, 2003-current; **Chair**, 2014-present

PROFESSIONAL

Reviewer (2015-2016), Textbook: Animal Behavior: Concepts, Methods and Applications (Nordell and Valone, 2nd Edition)

Reviewer: Genes, Brain, and Behavior (*Ad hoc*)

Reviewer: Molecular Psychiatry (*Ad hoc*)

Reviewer: Psychopharmacology (*Ad hoc*)

Reviewer: Mammalian Genome (*Ad hoc*)

Organizing Committee: Neurogenetics of the Mouse Short Course

Reviewer, NIH Molecular Neurogenetics Study Section Reviewer

Reviewer, NIH Fellowships: Biophysical, Physiological, Pharmacological and Bioengineering Neuroscience Study Section 2010-2014

Reviewer, NIH MESH Study Section, 20

Courses Taught

Functional and Integrative Neuroscience- (Undergraduate)

Alcohol, Drugs, and Behavior (Undergraduate) –Honors and Standard Sections

Developed and taught Alcohol, Drugs, and Behavior On-line course

Animal Behavior (Undergraduate)-Honors and Standard Sections

Developed and taught Animal Behavior On-line course

Behavior Genetics Seminar (Undergraduate and Graduate)

Introduction to Behavioral Genetics-UNHP (Undergraduate)

Developed and taught Alcohol, Drugs, and Behavior-4 credit lab course- Honors and Standard Sections

Developed and taught Alcohol, Drugs, and Behavior-4 credit lab course On-line course

Students Supervised

Emiko A. Vonnegut, New York State Research Experience for Undergraduates Program

Martha Crouse, Senior Project, Russell Sage College, Troy, NY

Jesse Johnson, Special Readings (UofM)

Nefertiti Rowlett, Special Problems in Behavioral Neuroscience (UofM)

Madga Dutwietcz, Special Problems in Behavioral Neuroscience (UofM)

Michelle Phillips, Special Problems in Behavioral Neuroscience (UofM)

Lindsey Rice, University Honors Student, Chair Senior Thesis (UofM)

Eric Shen, Post-Baccalaureate Student (UofM)

Zinnifher Jeffries, Special Problems in Behavioral Neuroscience (UofM)

Brandon Thomas, Special Problems in Behavioral Neuroscience (UofM)

Julie Bogue, Special Problems in Behavioral Neuroscience (UofM)

Paula King, Special Problems in Behavioral Neuroscience (UofM)

Brandon McFarland, Special Problems in Behavioral Neuroscience (UofM)

Camilla Avery, Special Problems in Behavioral Neuroscience (UofM)

Byron Staples, Special Problems in Behavioral Neuroscience (UofM)

Jose Guenet, Summer Student (White Station High School)

James Li, Summer Student

Courtney Maclin, Summer Student (Psychology INSPIRE Program)

Undergraduate Student Committees

Clara Johnson, University College Undergraduate Coordinated Study Committee (UofM)

Angelique Dilworth, University College, Faculty Advisor, Special Project Paper, (UofM)

Jesse Johnson, Chair, Senior Thesis Behavioral Neuroscience (UofM)

Lindsey Rice, Chair, Senior Honors Thesis (UofM)

Rebekah Lambert, Senior Honors Thesis Committee Member, (UofM)

Rachel Tillery, Senior Honors Thesis Committee Member, (UofM)

Cameron Watson, Senior Honors Thesis Committee Member (UofM)

Jennifer Agee, Senior Honors Thesis Committee Member (UofM)

Virgil Spight, Senior Thesis Behavioral Neuroscience, Committee Member (UofM)

Jenna Felding, Senior Honors Thesis Committee Member (UofM)

Kenan Joyner, Senior Honors Thesis Committee Member (UofM)

Lacy Jamison, Senior Honors Thesis Committee Member (UofM)

Sheritta Phillips, Senior Honors Thesis Committee Member (UofM)

Jamie Padden, Senior Thesis Committee Member (UofM)

Justin Price, Senior Honors Thesis Committee Member (UofM)

William Jones, Senior Honors Thesis Committee Member (UofM)

Justin Guinn, Senior Honors Thesis Committee Member (UofM)

Maurice Pian, Senior Honors Thesis Committee Member (UofM)

Hunter Nolen

Dissertation and Masters Student Committees

Tobie Escher, Major Area Paper Committee, Dissertation Committee Member

Janelle Silvers, Major Area Paper Committee, Dissertation Committee Member

S. Tokunaga, Dissertation Committee Member

Timothy Flanigan, **Chair**, Masters (Spring 2007), **Chair** Major Area Paper and **Chair** Dissertation Committee;

Doctoral Degree awarded August 2011

Raymond Berry, Major Area Paper Committee, Dissertation Committee Member

Katherine Bracken, Thesis Proposal Committee

Jordan Fields, Dissertation Committee Member

Christopher Monahan, Major Area Paper Committee Member, Dissertation Committee

Joah Williams, Dissertation Committee Member

Timothy Freels, **Chair** Masters (2014) and **Chair** Dissertation Committee; **Doctoral Degree awarded May 2018**

Jeanelle Ali, **Chair**, Masters Committee

Jenna Nelms, Dissertation Committee

Jessica Tripp, Masters Committee Member

Chase Presley, Masters Committee Member

Ali Yurasek, Dissertation Committee Member

Katie Lang, Dissertation Committee Member

Bin Wang (UTHSC student), Committee Member

Lidia Meshesha, Dissertation Committee Member

Jasmine Eddinger, Masters Committee Member

Matthew Suda, Major Area Paper Committee Member

Michelle Calton, Dissertation Committee Member

Mellessa Miller, Dissertation Committee Member

Mary Estes, Masters Committee

PUBLICATIONS

Peer-Reviewed Papers

Freels, T.G., Lester, D.B, and Cook, M.N. (2019) Arachidonoyl Serotonin (AA-5HT) modulates general fear-like behavior and inhibits mesolimbic dopamine release. *Behavioural Brain Research*. 362:140-151.

Zhou, D., Zhao, Y., Hook, M.E., Zhao, W., Jones, B.C., Cook, M.N., Hamre, K., and Lu, L. (2018) Ethanol's effect on *Cog7* expression in the hippocampus of mice. *Frontiers in Genetics*.9:602.

doi.org/10.3389/fgene.2018.00602

Luo, J., Xu, P., Cao, P., Wan, H., Lv, X, Xu, S., Wang, G., Cook, M.N., Jones, B.C., Lu, L., and Wang, X. (2018) Integrating Genetic and Gene Co-expression Analysis Identifies Gene Networks Involved in Alcohol and Stress Responses. *Frontiers in Molecular Neuroscience*. 11: 202. doi: 10.3389/fnmol.2018.00102.

Zhou, D.X., Zhao, Y., Baker, J.A., Hamre, K.M., Jones, B.C., Cook, M.N*, and Lu, L.* (2017) The Effect of Alcohol on the Differential Expression of Cluster of Differentiation 14, Associated Pathways, and Gene Network. *PLoS ONE* 12(6): e0178689.doi.10.1371/journal.pone0178689

*Shared Senior Authorship

- Baker, J.A., Li, J., Zhou, D., Yang, M., Cook, M.N., Jones, B.C., Mulligan, M.K., Hamre, K.M., and Lu, L. (2017) Analyses of Differentially-Expressed Genes After Exposure to Acute Stress, Acute Ethanol, or a Combination of Both in Mice. *Alcohol*. 58: 139-151. doi: 10.1016/j.alcohol.2016.08.008
- Freels, T.G. and Cook, M.N. (2016). Anxiety: Involvement of Cannabinergic Signaling and Cross-Talk with Serotonergic and Opioidergic Pathways. *Psychology & Neuroscience* 9: 465-489. doi:10.1037/pne0000071.
- Urquhart, K.R., Zhao, Y., Baker, J.A., Yan, L., Cook, M.N., Jones, B.C., Hamre, K.M., and Lu, L. (2016) A Novel Heat Shock Protein Alpha 8 (Hspa8) Molecular Network Mediating Responses to Stress- and Ethanol-Related Behaviors. *Neurogenetics*. 17(2):91-105. doi: 10.1007/s10048-015-0470-0
- Dickson, P.E., Miller, M.M., Calton, M.A., Bubier, J.A., Cook, M.N., Goldowitz, D., Chesler, E.J., and Mittleman, G. (2016). Systems genetics of intravenous cocaine self-administration in the BXD recombinant inbred mouse panel. *Psychopharmacology* 233 (4): 701-14. doi:10.1007/s00213-015-4147-z
- Okaty, B.W., Freret, M.E., Brust, R.D., Hennessy, M.L., deBarios, D., Kim, J.C., Cook, M.N., Dymecki, S. (2015). Multi-Scale Molecular Deconstruction of the Serotonin Neuron System. *Neuron* 88:774-91. doi:10.1016/j.neuron.2015.10.007.
- Cook M. N., Baker J. A., Heldt S. A, Williams R. W., Hamre K. M., Lu L. (2015) Identification of candidate genes that underlie the QTL on chromosome 1 that mediates genetic differences in stress-ethanol interactions. *Physiological Genomics*: 47(8):308-17. doi: 10.1152/physiolgenomics.00114.2014.
- Wang, X., Mozhui, K., Li, Z., Mulligan, M. K., Ingels, J. F., Zhou, X., Hori, R. T., Chen, H., Cook, M. N., Lu, L., and Williams, R. W. (2012). A promoter polymorphism in the *Per3* clock gene is associated with alcohol and stress response. *Translational Psychiatry* s, e73; doi; 10.1038/tp.2011.71
- Ziebarth, J. D., Cook, M. N., Wang, X., Williams, R.W., Lu, L., and Cui, Y. (2012). Treatment-and population-dependent activity patterns of behavioral and expression QTLs. *PLoS ONE*. 7(2): e31805; doi: 10.1371/journal.pone.0031805
- Zhu, Z.H. Zhang, C.H., Wang, X.S., Cook, M.N., Williams, R.W., Lu, L., and Zhu, J. (2012). Dissecting anxiety-related QTLs in mice by univariate and multivariate mapping. *Chinese Science Bulletin* 57: 2727-2732.
- Flanigan, T.J. and Cook, M.N. (2011) Effects of an Early Handling-Like Procedure and Individual Housing on Anxiety-Like Behavior in Adult C57BL/6J and DBA/2J Mice. *PLoS ONE* 6(4): e19058; doi 10.1371/journal.pone.0019058
- Philip V.M., Duvvuru S., Gomero B., Ansah T.A., Blaha C.D., Cook M.N., Hamre K.M., Lariviere W.R., Matthews D.B., Mittleman G., Goldowitz D., and Chesler E.J. (2010) High-throughput behavioral phenotyping in the expanded panel of BXD recombinant inbred strains. *Genes, Brain and Behavior* 9:129-159..
- Kim, J.C., Cook, M.N., Carey M.R., Shen C., Regehr W.G., and Dymecki S.M. (2009) Linking genetically-defined neurons to behavior through a broadly applicable silencing allele. *Neuron* 13: 305-315.
- Coryell, M.W., Wunsch, A.M., Haenfler, J.M., Allen, J.E., Schnizler M., Ziemann A.E., Cook M.N., Dunning J.P., Price M.P., Rainier J.D., Liu Z., Light A.R., Langbehn D.R., and Wemmie, J.A. (2009) Acid-sensing ion channel-1a in the amygdala, a novel therapeutic target in depression-related behavior. *Journal of Neuroscience* 29: 5381-5388. doi: 10.1523/JNEUROSCI.0360-09.2009.

Matthews, D.B., Morrow, A.L., O'Buckley, T., Flanigan, T.J., Berry, R.B., Cook, M.N., Mittleman, G., Goldowitz, D., Tokunaga, S., and Silvers, J.M. (2008) Acute mild footshock alters Ethanol Drinking and Plasma Corticosterone Levels in C57BL/6J Male Mice, but not DBA/2J or A/J male mice. *Alcohol* 42:469-476. doi: 10.1016/j.alcohol.2008.05.001

Matthews, D.B., Chesler, E.J., Cook, M.N., Cockroft, J., Philip, V.M., and Goldowitz, D. (2008) Genetic mapping of vocalization to a series of increasing acute footshocks using B6.A consomic and B6.D2 congenic mouse strains. *Behavior Genetics* 38:417-23. doi: 10.1007/s10519-008-9210-7

Hsu, R., Woodroffe, A., Lai, W.S., Cook, M.N., Mukai, J., Dunning, J.P., Swanson, D.J., Roos, J-L., Abecasis, G.R., Karayiorgou, M., and Gogos, J.A. (2007) Nogo Receptor 1 (RTN4R) as a candidate gene for schizophrenia: analysis using human and mouse genetic approaches. *PLoS ONE* 2(11): e1234; doi:10.1371/journal.pone.0001234

Cook, M.N., Dunning, J.P., Wiley, R.G., Chesler, E.J., Johnson, D.K., Miller, D.R., and Goldowitz, D. (2007) Neurobehavioral Mutants Identified in an ENU Mutagenesis Project. *Mammalian Genome* 18: 559-572.

Churchill, G.A., Airey, D.C., Allayee, H., Angel, J.M., Attie, A.D., Beatty, J.T., Beavis, W.D., Belknap, J.K., Bennett, B., Berrettini, W., Bleich, A., Bogue, M., Broman, K., Buck, K.J., Buckler, E., Burmeister, M., Chesler, E.J., Cheverud, J.M., Clapcote, S., Cook, M.N., Cox, R.D., Crabbe, J.C., Darvasi, A., Deschepper, C.F., Doerge, R.W., Farber, C.R., Forejt, J., Gaile, D., Garlow, S.J., Geiger, H., Gershenfeld, H., Gu, J., Gu, W., de Haan, G., Heller, C., Himmelbauer, H., Hitzemann, R., Hunter, K., Hsu, H-C., Iraqi, F.A., Ivandic, B., Jacob, H.J., Jansen, R.C., Jepsen, K.J., Johnson, D.K., Johnson, T.E., Kempermann, G., Kendzioriski, C., Kooy, R.F., Lammert, F., Lassalle, J-M., Lowenstein, P.R., Lu, L., Lusic, A., Manly, K.F., Marcucio, R., Matthews, D., Medrano, J.F., Miller, D.R., Mittleman, G., Mock, B.A., Mogil, J.S., Montagutelli, X., Morahan, G., Morris, D.G., Mott, R., Nadeau, J.H., Nagase, H., O'Hara, B.F., Osadchuk, A.V., Page, G., Paigen, K., Palmer, A.A., Pan, H-J., Peltonen-Palotie, L., Peirce, J., Pomp, D., Pravenec, M., Prows, D.R., Qi, Z., Reeves, R.H., Roder, J., Rosen, G.D., Schalkwyk, L.C., Seltzer, Z., Shimomura, K., Shou, S., Sillanpää, M.J., Snoeck, H-W., Spearow, J.L., Svenson, K., Threadgill, D., Toth, L.A., Valdar, W., Manuel de Villena, F-A., Warden, C., Whatley, S., Williams, R.W., Wiltshire, T., Yi, N., Zhang, D., Zhang, M., Zou, F. (2004). The Collaborative Cross: A Community Resource for the Genetic Analysis of Complex Traits. *Nature Genetics* 36:1133-1137.

Flaherty, L., Abiola, O., Angel, J.M., Avner, P., Bachmanov, A.A., Belknap, J.K., Bennett, B., Blankenhorn, E.P., Blizard, D.A., Bolivar, V., Brockman, G.A., Buck, K.J., Bureau, J-F., Casley, W.L., Chesler, E.J., Cheverud, J.M., Churchill, G.A., Cook, M., Crabbe, J.C., Crusio, W.E., Darvasi, A., de Haan, G., Demant, P., Doerge, R.W., Elliot, R.W., Farber, C.R., Flint, J., Gershenfeld, H., Gibson, J.P., Gu, W., Heimmelhauer, H., Hitzemann, R., Hsu, H-C., Hunter, K., Iraqi, F., Jansen, R.C., Johnson, T.E., Jones, B.C., Kempermann, G., Lammert, F., Lu, L., Manly, K.F., Matthews, D.B., Medrano, J.F., Mehrabian, M., Mittleman, G., Mock, B.A., Mogil, J.S., Montagutelli, X., Morahan, G., Mountz, J.D., Nagase, H., Nowakowski, R.S., O'Hara, B.F., Osadchuk, A.V., Paigen, B., Palmer, A.A., Peirce, J.L., Pomp, D., Roseman, M., Rosen, G.D., Schalkwyk, L.C., Seltzer, Z., Settle, S., Shimomura, K., Shou, S., Sikela, J.M., Siracusa, L.D., Spearow, J.L., Teuscher C., Threadgill, D.W., Toth, L.A., Toyne, A.A., Vadasz, C., Van Zant, G., Wakeland, E., Williams, R.W., Zhang H-G., and Zou, F.. The nature and identification of quantitative trait loci: a community's view. (2003) *Nature Reviews* 4: 911-916.

Moisan, M-P., Llamas, B., Cook, M.N., and Mormède, P. (2003) Further dissection of a genomic locus associated with behavioral activity in the Wistar-Kyoto Hyperactive rat, an animal model of hyperkinesis. *Molecular Psychiatry* 8: 348-352.

Cook, M.N., Bolivar, V.J., McFadyen, M.P., and Flaherty, L. (2002) Behavioral Differences Among 129 Substrains: Implications for Knockout and Transgenic Mice. *Behavioral Neuroscience* 116: 600-611.

Cook, M.N., Crouse, M., and Flaherty, L. (2002) Anxiety in the Elevated Zero-Maze is Augmented in Mice After Repeated Daily Exposure. *Behavior Genetics* 32: 113-118.

Bolivar, V.J., Cook, M.N., and Flaherty, L. (2001) Mapping of Quantitative Trait Loci with Knockout/Congenic Strains. *Genome Research* 11: 1549-1552.

Cook, M.N., Williams, R.W., and Flaherty, L. Anxiety-Related Behaviors in the Elevated Zero Maze are Affected by Genetic Factors and Retinal Degeneration. *Behavioral Neuroscience* 115: 468-476, 2001.

Bolivar, V.*, Cook, M.*, and Flaherty, L. (2000) List of transgenic and knockout mice: behavioral profiles. *Mammalian Genome* 11: 260-274. * Equal contribution

Cook, M.N., Ware, D.D., Boone, E.M., Hou, X., Morse, A.C., Erwin, V.G., and Jones, B.C. (1998) Ethanol Modulates Cocaine-Induced Behavioral Change in Inbred Mice. *Pharmacology, Biochemistry, and Behavior* 59: 567-575, 1998.

Cook, M.N., Ramos, A., Courvoisier, H., and Moisan, M-P. (1997) Linkage mapping of $\alpha 3$, $\alpha 5$, $\beta 4$ nicotinic acetylcholine receptors to rat chromosome 8. *Mammalian Genome* 9: 177-178.

Boone, E.M., Cook, M.N., Hou, X., and Jones, B.C. (1997) Sex and strain influence the effects of ethanol on central monoamines. *Journal of Studies on Alcohol* 58:590-599.

Jones, B.C., Hou, X., and Cook, M.N. (1996) The Effect of Exposure to Novelty on Brain Monoamines in C57BL/6 and DBA/2 Mice. *Physiology and Behavior* 59: 361-367.

Book Chapters

Cook, M. N., and Lu, L. (2013). Big little issues: The role of miRNAs in stress and related disorders. In Yue, J. and Lu, L (Eds.), *miRNAs and Human Diseases* (197-209). India: Research

Book Reviews

Cook, M.N. (2006). The Genetics of Pain. *Genes, Brain and Behavior* 5:111.

Conference proceedings papers (Peer-reviewed)

Ziebarth, J.D., Cook, M.N., Li, B., Williams, R.W., Lu, L., and Cui, Y. (2010) Systems genetics analysis of molecular pathways underlying ethanol-induced behavioral phenotypes. The Biomedical Science and Engineering Conference (BSEC). doi: 10.1109/BSEC.2010.5510821

In preparation

Cook, M.N., Freels, T.G., Lu, L., and Williams, R.W. (In preparation). *Atad1* Identified as Candidate Gene in a QTL analysis of Prepulse Inhibition in BXD Recombinant Inbred Mice.