**Erica Grodin Ph.D.**

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**EDUCATION**

2018 – present **Postdoctoral Scholar**

Department of Psychology

University of California, Los Angeles

2012 – 2018 **Doctor of Philosophy**

Neuroscience

Brown University and National Institutes of Health

2006-2010 **Bachelor of Arts**

Major: Psychology; Minor: Justice

American University

**PEER-REVIEWED PUBLICATIONS**

Cortes, C.R., **Grodin, E.N.,** Mann, C.L., Mathur, K., Kerich, M., Zhu, X., Schwandt, M., Diazgranados, N., George, D.T., Momenan, R., Heilig, M. *Insula Sensitivity to Unfairness in Alcohol Use Disorder*. Alcohol and Alcoholism, in press.

Farokhnia, M., **Grodin, E.N.**, Lee, M.R., Oot, E.N., Blackburn, A.N., Stangl, B.L., Schwandt, M.L., Farinelli, L.A., Momenan, R., Ramchandani, V.A., Leggio, L. *Exogenous Ghrelin Administration Increases Alcohol Self-Administration and Modulates Brain Functional Activity in Heavy-Drinking Alcohol-Dependent Individuals*. Molecular Psychiatry, in press.

**Grodin, E.N.**, Cortes, C.R., Spagnolo, P.A., Momenan, R. *Structural Deficits in Salience Network Regions Are Associated with Increased Impulsivity and Compulsivity in Alcohol Dependence.* Drug and Alcohol Dependence, 2017, 179: 100-108

Kwako, L.E., Momenan, R., **Grodin, E.N.**, Litten, R.Z., Goldman, D. *Addictions Neuroclinical Assessment: A Reverse Translational Approach*. Neuropsychopharmacology. 2017, 122: 254-264

**Grodin, E.N.,** Momenan, R. *Decreased Subcortical Volumes in Alcohol Dependent Individuals: Effect of Polysubstance Use Disorder.* Addiction Biology, 2017, 22(5): 1426-1437

**Grodin, E.N.,** Steckler, L.E., Momenan, R. *Altered Striatal Response During Effort-Based Valuation and Motivation in Alcohol-Dependent Individuals.* Alcohol and Alcoholism. 2016, 51(6): 637-646

**Grodin, E.N.**, White, T.L. *The Neuroanatomical Delineation of Agentic and Affiliative Extraversion*. Cognitive, Affective, and Behavioral Neuroscience. 2015; 15(2): 321-334

**Grodin, E. N.,** Lin, H., Durkee, C. A., Hommer, D. W., Momenan, R. *Deficits in cortical, diencephalic and midbrain gray matter in alcoholism measured by VBM: Effects of co-morbid substance abuse*. NeuroImage: Clinical. 2013; 2: 469-476

**INVITED TALKS**

“The Neural Correlates of Aversion Resistant Alcohol Addiction” –presented at Research Society on Alcoholism, New Orleans, 2016

**CONFERENCE PRESENTATIONS**

**Grodin, E.N.**, Cortes, C.R., Momenan, R. *Anterior Insula Morphometry is Associated with Impulsivity and Compulsivity in Alcohol Dependent Individuals*. Poster, Research Society on Alcoholism, June 2017.

Farokhnia, M., **Grodin, E.N.**, Lee, M.R., Stangl, B.L., Oot, E.N., Blackburn, A.N., Farinelli, L.A., Momenan, R., Ramchandani, V.A., Leggio, L. *Intravenous Ghrelin Administration Increases Alcohol Self-Infusion in Heavy Drinkers: A Preliminary Human Laboratory Study*. Poster, Research Society on Alcoholism, June 2017.

Cortes, C.R., Schwandt, M.L., Kwako, L.E., **Grodin, E.N.**, DiazGranados, N., George, D.T., Heilig, M., Leggio, L., Momeman R. *Effects of Alcohol and Corticotropin-Releasing Factor Antagonism on fMRI Connectivity of the Centromedial Amygdala*. Poster, Research Society on Alcoholism, June 2017.

Sells, J.R., Kwako, L.E., **Grodin, E.N.**, Momenan, R., George, D.T., Heilig, M., Ramchandani, V.A., Schwandt, M.L. *Effects of Early Life Trauma on Alcohol-and Stress-Related Phenotypes in Alcoholics with and without Posttraumatic Stress Disorder*. Poster, Research Society on Alcoholism, June 2017.

**Grodin, E.N.**, Sussman, L., Sundby, K., Brennan, G., Heilig, M., Momenan, R. *The Neural Correlates of Compulsive Alcohol Seeking*. Poster, Society for Biological Psychiatry, May 2017.

**Grodin, E.N.**, Sundby, K., Brennan, G., Heilig, M., Momenan, R. *The Neural Correlates of Aversion Resistant Alcohol Seeking*. Poster, American College of Neuropsychopharmacology, December 2016.

Brietzke, S., Cortes, C.R., **Grodin, E.N.**, Taylor, P., Momenan, R. *White Matter Integrity in Alcohol Use Disorder Domains*. Poster, American College of Neuropsychopharmacology, December 2016.

Brietzke, S., **Grodin, E.N.**, Momenan, R. *Neural Correlates of Delayed Reward Discounting Among Alcohol Dependent Subjects: An fMRI Study*. Poster, Research Society on Alcoholism, June 2016.

Sundby, K., Zhu, X., Mathur, K., **Grodin, E.N.**, Momenan, R. *Neural Substrates of Reward Prediction Error Processing in Alcohol Dependence*. Poster, Research Society on Alcoholism, June 2016.

**Grodin, E.N.**, Steckler, L.E., Momenan, R. *Modulation of Brain Response during Effort-Based Decision-Making in Alcohol Dependent Populations*. Poster, Research Society on Alcoholism, June 2015.

Momenan, R., Mathur, K., Zhu, X., **Grodin, E.N.** *Task Reversal and Prediction Error Activations in Alcohol Dependent Participants*. Poster, Human Brain Mapping, June 2015.

**Grodin, E.N.**, Kerich, M.J., Heilig, M., Schumann, G., Momenan, R.  *Adolescents with and without Alcohol Problems: Response to Reward Anticipation and Feedback*. Poster, Research Society on Alcoholism, June 2014.

**Grodin, E.N.**, Momenan, R. *Morphometric and Volumetric Subcortical Differences in Alcoholics with and without Comorbid Drug Use Disorders*. Poster, American College of Neuropsychopharmocology, December 2013.

Mann, C.L., Durkee, C.A., **Grodin, E.N.**, Momenan, R. *Measuring the Effects of Acute Alcohol Infusion on Human Brain Metabolites: An MR Spectroscopy Study*. Poster, American College of Neuropsychopharmacology, December 2013.

Hommer, D.W., **Grodin, E.N.,** Momenan, R. *Cortical, diencephalic and midbrain gray matter loss in alcoholism measured by VBM: Effects of co-morbid substance abuse*. Poster. American College of Neuropsychopharmacology, December 2012.

George, D.T., Garg, K., Sells, J.R., **Grodin, E.N.,** Schwandt, M.L., Hommer, D.W., Heilig, M., Kwako, L.E. *Trauma timing predicts variation in PTSD-related outcomes*. Poster, American College of Neuropsychopharmacology, December 2012.

**Grodin, E.N.,** Momenan, R., Hommer, D.W. *Subcortical Atrophy in Alcohol Dependent Subjects*. Poster, Research Society on Alcoholism, June 2012.

Steckler, L.E., Momenan, R., **Grodin, E.N.**, Hommer, D.W. *Motivation Difference Between Alcoholics and Control in a Monetary Incentive Effort Task*. Poster, Research Society on Alcoholism, June 2012.

Momenan, R., Steckler, L.E., **Grodin, E.N.,** Hommer, D.W. *Anticipatory Differences Between Alcohol Dependent Subjects and Normal Volunteers in an Effort Task.* Poster, Research Society on Alcoholism, June 2012.

**Grodin, E.N.,** Lin, H., Steckler, L.E., Momenan, R., Hommer, D.W. *Brain Atrophy in Alcoholism Measured by Differences in Gray Matter Volume, VBM, and Cortical Thickness*. Poster, Society for Neuroscience, November 2011.

**Grodin, E.N.**, Lin, H., Momenan, R., Hommer, D.W. *A Voxel-Based Morphometric Study of Gender Differences in Brain Density of Alcoholics*. Poster, Research Society on Alcoholism, June 2011.

Momenan, R., Lin, H. **Grodin, E.N.**, Hommer, D.W. *Alcoholic Subjects’ Response to Prediction Error*. Poster, Human Brain Mapping, June 2011.

1. **RESEARCH EXPERIENCE**
2. **Postdoctoral Fellow, University of California, Los Angeles** January 2018 – present
3. Department of Psychology, Addictions Lab
4. Research Interests:
* Investigating neural correlates of novel pharmacological treatments for alcohol use disorder
* Investigating predictors of lapse and relapse in chronic smokers

**Graduate Researcher, National Institutes of Health** June 2013 – December 2017

National Institute on Alcohol Abuse and Alcoholism, Clinical NeuroImaging Research Core

 Research Interests:

* Investigating neural correlates of aversion resistant alcohol seeking in heavy drinkers
* Investigating impulsivity and compulsivity in alcohol dependence
* Investigating structural deficits associated with alcohol dependence and addiction endophenotypes

Skills and Techniques:

* fMRI task and resting state in AFNI, FSL, and SPM
* Structural MR analysis in FSL and SPM
* DTI analysis in Tortoise, AFNI, and FSL

**Graduate Researcher, Brown University** September 2012 – May 2013

Department of Neuroscience, White Lab

Research Interests:

* Structural correlates of personality
* Effects of acute amphetamine on neural correlates of affective image processing

**Postbaccalaureate Fellow, National Institutes of Health** Spring 2010 – August 2012

National Institute on Alcohol Abuse and Alcoholism, Section of Brain Electrophysiology and Imaging

 Research Interests:

* Structural deficits associated with alcohol dependence
* Conditioned place preference in human participants
* Neural correlates of prediction error in alcohol dependent participants

**Honors Research, American University** Fall 2009 – Spring 2010

Department of Psychology, Psychopharmacology Lab

Research Interests:

* Conditioned taste aversion of satiety in Sprague-Dawley rats
* Honors Thesis: Assessment of the Conditioned Taste Aversion Phenomenon Induced by Binge Eating

**RESEARCH FUNDING**

**T32 Translational Neuroscience on Drug Abuse**  January 2018 – present

University of California, Los Angeles; PI: London

**Intramural Research Training Award - Predoctoral** September 2013 – December 2017

National Institute on Alcohol Abuse and Alcoholism

**Intramural Research Training Award – Predoctoral** September 2012 – August 2013

National Institutes of Health, Office of the Director

**Intramural Research Training Award – Postbaccalaureate** May 2010 – August 2012

National Institute on Alcohol Abuse and Alcoholism

**AWARDS AND HONORS**

**Society for Biological Psychiatry Travel Award** 2017

**Research Society on Alcoholism Student Merit Award** 2014, 2015, 2017

**Sigma Xi Research Honors Society** 2016 - present

**Brown University Student Conference Travel Award** 2016

**National Institutes of Health Fellows Award for Research Excellence** 2016

**MEMBERSHIPRS**

Research Society on Alcoholism 2015 - present

Society for Neuroscience 2012

**RESEARCH SKILLS**

Software: Analysis of Functional Imaging (AFNI) programs, FMRIB Software Library (FSL) programs, Statistical Parametric Mapping (SPM) programs, Endnote, SPSS, JMP SAS, Graph Prism

fMRI Task Design in Presentation Software

Conditioned Taste Aversion Procedure in Rodents

**PROFESSIONAL TRAINING**

**NeuroImaging Training Program, UCLA/Semel Institute**  Summer 2016

Completed 2-week – Advanced MRI Summer Program

**Clinical and Translational Research Course, National Institutes of Health** Summer 2014

Completed 2 week intensive for Ph.D. Students

**Scientists Teaching Science, National Institutes of Health**  Spring 2014

Completed 9 week Pedagogy Course

**Analysis of Functional Neuroimaging (AFNI) Bootcamp, National Institutes of Health** Fall 2014

Completed one week intensive AFNI software training

**Responsible Conduct in Research, Brown University**  Fall 2012

**Collaborative Institutional Training Initiative (CITI), Brown University** Fall 2012

Human research training

**NMR Safety Certification, National Institutes of Health** Summer 2010

**Good Clinical Practice, National Institutes of Health** Summer 2010, renewed Summer 2017