**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**

**Grodin, E.N.**, Sussman, L., Sundby, K., Brennan, G.M., Diazgranados, N., Heilig, M., Momenan, R. *Neural Correlates of Compulsive Alcohol Seeking in Heavy Drinkers*. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 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.

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, 2018, 53(3): 201-208

**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

**PUBLICATIONS UNDER REVIEW**

**Grodin, E.N.**, Courtney, K.E., Ray, L.A. *Drug-Induced Craving for Methamphetamine is Associated with Neural Methamphetamine Cue Reactivity*, under review.

Ray, L.A., Bujarski, S., **Grodin, E.N.**, Hartwell, E., Green, R., Venegas, A., Lim, A.C., Gillis, A., Miotto, K. *State-of-the-art Behavioral and Pharmacological Treatments for Alcohol Use Disorder*, under review.

Ray, L.A., Green, R. **Grodin, E.N.,** Lim, A.C., Venegas, A., Bujarski, S. *The Interplay Between Subjective Response to Alcohol, Craving, and Alcohol Self-Administration in the Human Laboratory*, under review.

Fede, S.J., **Grodin, E.N.**, Momenan, R. *Multimodal Imaging Predicts Alcohol Use Severity in Moderate to Heavy Alcohol Users*, under review.

**INVITED TALKS**

“The Neural Correlates of Compulsive Alcohol Seeking in Heavy Drinkers” – presented at the International Study Group Investigating Drugs as Reinforcers, San Diego, 2018

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

**CONFERENCE PRESENTATIONS**

Fede, S.J., **Grodin, E.N.**, Momenan, R. *Negative Emotional Face Processing Associated with Alcohol Use Disorder Severity*. Poster, Society of Biological Psychiatry, May 2018.

Stangl, B., Schwandt, M.L., Kwako, L., Sells, J., Momenan, R., **Grodin, E.N.**, Westman, J., Brown, V., Sinha, R., Ramchandani, V. *Effects of Adverse Childhood Experience on Alcohol-and Stress-Related Phenotypes in Dependent and Non-Dependent Drinkers*. Poster, Society of Biological Psychiatry, May 2018.

**Grodin, E.N.**, Momenan, R. *Resting State Connectivity and Compulsivity: Association in Alcohol Use Disorder*. Poster, American College of Neuropsychopharmacology, December 2017.

**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., Momenan R. *Effects of Alcohol and Corticotrophin-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 Neuropsychopharmacology, 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

**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) Boot Camp, 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)** Fall 2012, January 2018

Human research training

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

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