

# Jennifer G. Stevenson, PhD

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## Education

*University of North Carolina at Chapel Hill*

**Doctor of Philosophy** in Behavioral Neuroscience, 2015

Advisor: Dr. Regina Carelli, Co-Advisor: Dr. Linda Dykstra

Dissertation: Factors Underlying Natural Reward Devaluation by Cocaine: Effects of Dose and Exercise.

*University of North Carolina at Chapel Hill*

**Master of Arts** in Behavioral Neuroscience, 2012

Advisor: Dr. Regina Carelli

Thesis: Nucleus Accumbens Neurons Differentially Encode Information About Aversive Cues that Predict Cocaine Availability and Cocaine Self-Administration Following Extended Taste-Drug Pairings.

*Pennsylvania State University, University Park, PA*

**Bachelor of Science** in Bio-behavioral Health, 2006

## Experience

*Duke Health*

2015- Present

Department of Psychiatry and Behavioral Sciences, Duke CfAST (Center for Addiction Science and Technology)

**Postdoctoral Associate**

- Investigate behavioral interventions to assist in smoking cessation.
- Supervise phase I and phase II clinical trials via constructing, monitoring, and reviewing protocols to make sure timelines and budgets are met.
- Responsible for documenting and communicating project information to Principal Investigators.
- Create recruitment strategies to increase study enrollment across clinical trials.
- Regulate the progress of recruitment and retention and track regulatory submissions.
- Administer quality assurance monitoring procedures to ensure adherence to the study protocol, Good Clinical Practices (GCP), Study Operating Procedures (SOP), and regulatory requirements.
- Participate in clinical operations duties such as recruiting, consenting, enrolling, and tracking patients throughout study duration.
- Organize and present at conferences and investigator meetings.
- Mentored and trained new members to the study team.
- Conduct literature reviews.
- Assist with writing research applications to Duke's Institutional Review Board (IRB) for approval.
- Assisted in writing proposals and grants to retrieve funding for research.

*University of North Carolina at Chapel Hill*

2009– 2015

Department of Psychology and Neuroscience

**Graduate Research Associate**

- Investigated alternative behavioral interventions to prevent cocaine self-administration and reinstatement in rats.
- Designed and authored research protocols for dissertation research studies.
- Reviewed and authored scientific papers.
- Presented research findings at scientific conferences.

*National Institute on Drug Abuse (NIDA)*  
Medications Discovery Research Branch: Psychobiology Section  
**Associate Scientist**

2007- 2009

- Investigated the development of potential medications to treat substance use disorders from target identification and assay development through licensing NIDA/IRP technology.
- Co-authored protocols, manuscripts, and publications.
- Reviewed scientific manuscripts.
- Trained 30 college students on addiction research and data analysis.

*National Institute on Drug Abuse (NIDA)*  
Molecular Neurobiology Branch

2006

**Associate Scientist**

- Investigated a specific gene's (NrCam) potential roles in addiction and autism.
- Reviewed scientific manuscripts.
- Educated 25 high school and college students on neurobiology of behavior.

## **Publications**

**Stevenson, J.**, Oliver, J., Hallyburton, M., Sweitzer, M., Conklin, C., McClernon, F. (2016). Smoking environment cues reduce ability to resist smoking as measured by a delay to smoking task. *Addictive Behaviors*, doi: 10.1016/j.addbeh.2016.12.007.

**Green, J.**, Dykstra, L., Carelli, R. (2015). Examination of cocaine dose in a preclinical model of natural reward devaluation by cocaine. *Behavioral Pharmacology*, doi: 10.1097/FBP.0000000000000131.

Kohut, S., Hiranita, T., Hong, S., Ebbs, A., Tronci, V., **Green, J.**, Garcés-Ramírez, L., Chun, L., Mereu, M., Newman, A., Katz, J., Tanda, G. (2014). Preference for distinct functional conformations of the dopamine transporter alters the relationship between subjective effects of cocaine and stimulation of mesolimbic dopamine. *Biological Psychiatry*, doi: 10.1016/j.biopsych.2014.03.031.

Mereu M., Tronc, V., Chun L., Thomas A., **Green J.**, Katz J., Tanda G. (2013). Cocaine-induced endocannabinoid release modulates behavioral and neurochemical sensitization in mice. *Addiction Biology*, doi:10.1111/adb.12080.

Tanda G., Li S., Mereu M., Thomas A., Ebbs A., Chun L., Tronci V., **Green J.**, Zou M., Kopajtic T., Newman A., Katz J. (2013). Relations between stimulation of mesolimbic dopamine and place conditioning in rats produced by cocaine or drugs that are tolerant to dopamine transporter conformational change. *Psychopharmacology*, doi: 10.1007/s00213-013-3109-6.

Garcés-Ramírez L., **Green J.**, Hiranita T., Kopajtic T., Mereu M., Thomas A., Mesangeau C., Narayanan S., McCurdy C., Katz J., Tanda G. (2011). Sigma receptor agonists: Receptor binding and effects on mesolimbic dopamine neurotransmission assessed by microdialysis. *Biological Psychiatry*, 69(3), 208-17.

Tanda G., Newman A., Ebbs A., Tronci V., **Green J.**, Tallarida R., Katz J. (2009). Combinations of Cocaine with other Dopamine Uptake Inhibitors: Assessment of Additivity. *Journal of Pharmacology and Experimental Therapeutics*, doi: 10.1124/jpet.109.154302.

Behzad A., Morimoto K., Gosselink J., **Green J.**, Hogg J., Hayashi, S. (2006). Induction of Mesenchymal Cell

Phenotypes in Lung Epithelial Cells by Adenovirus E1A.  
European Respiratory Journal, 28, 1106-1116.

## **Presentations**

Smoking environment cues reduce ability to resist smoking as measured by a delay to smoking task. Society for Research on Nicotine and Tobacco (Florence, Italy, March 2017)

Voluntary wheel running reverses an established cocaine-induced negative affective state in a rodent model. Society for Neuroscience Conference (Washington, DC, November 2014), NIDA Mini-Convention (Bethesda, MD, November 2014)

A preclinical model of natural reward devaluation and the emergence of negative affective states in cocaine addiction: effects of cocaine dose. The College on Problems and Drug Dependence (San Juan, PR, June 2014)

Differential encoding of aversive cues that predict delayed cocaine availability and cocaine-self-administration following extended taste-drug pairings. Society for Neuroscience Conference (Washington, DC, November 2011)

Differential encoding of aversive cues that predict delayed cocaine availability and cocaine-self-administration following extended taste-drug pairings. Gordon Research Conference/Seminar (Lewiston, ME, August 2011)

Accumbens neurons differentially encode information about aversive cues that predict cocaine availability and cocaine-seeking during self-administration. Society for Neuroscience Conference (San Diego, CA, November 2010)

Behavioral Effects of Gene Knockout of the Cell Adhesion Molecule NrCAM. National Institute on Drug Abuse (Baltimore, MD, August 2006)

Cloning of Mouse Carbonic Anhydrase IX (CAIX). Istituto di Ricerche di Biologia Molecolare (Pomezia, Italy, August 2004)

Effect of Adenovirus E1A on the Inflammatory Response of Lung Cells to LPS. University of British Columbia iCapture/ McDonald Research Laboratory (Vancouver, B.C., Canada, August 2003)

The IL-2R Influence Glucose Metabolic Enzymes in T-cells. University of Washington, UW Health Sciences (Seattle, WA, August 2002)

Purine Dimers and Their Pathways. Temple University School of Medicine (Philadelphia, PA, August 2001)

## **Fellowships/Awards/Grants**

NIDA Research Supplement to Promote Diversity in Health-Related Research 2016-2018 \$90,000

Research Assistant Fellowship in Psychology 2015 \$23,000

Frontiers in Addiction Research NIDA Mini-Convention Travel Award 2014

Carl Storm Underrepresented Minority Fellowship 2011 \$1,000

NIDA Technical Intramural Research Training Award (2007- 2009) \$56,000