

## HAYLEY M. DORFMAN

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### EDUCATION

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Harvard University, Cambridge, MA Ph.D., Psychology	2014 – present ( <i>expected 2019</i> )
Harvard University, Cambridge, MA M.A., Psychology	2014 – 2016
Boston University, Boston, MA B.A., Psychology B.A., Political Science	2004 - 2008

### RESEARCH TRAINING

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Graduate Student Computational Cognitive Neuroscience Lab Harvard University Advisor: Dr. Samuel Gershman	2016 - present
Graduate Student	2014 - 2016
Lab Manager	2011 - 2014
Research Assistant Systems Neuroscience of Psychopathology Lab Harvard University PI: Dr. Joshua Buckholz	2011 - 2011
Protocol Coordinator Protocol Specialist Eastern Cooperative Oncology Group	2010 - 2011 2008 - 2010
Research Assistant Boston University School of Public Health PI: Dr. David Rosenbloom	2007 - 2008
Research Assistant Boston University, BU Twin Project Lab PI: Dr. Kimberly Saudino	2006 - 2007

### PUBLICATIONS

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Dorfman HM, Bhui R, Hughes BL, & Gershman SJ. (under revision). Causal inference about good and bad news.

Tomov MS, Dorfman HM, & Gershman SJ. (in press). Neural computations underlying causal structure learning. *The Journal of Neuroscience*.

Hosking JG, Kastman EK, **Dorfman HM**, Samanez-Larkin GR, Baskin Sommers A, Kiehl KA, Newman JP, Buckholtz JW. (2017). Disrupted Prefrontal Regulation of Striatal Subjective Value Signals in Psychopathy. *Neuron*.

Rodman AM, Kastman EK, **Dorfman HM**, Baskin-Sommers A, Kiehl KA, Newman JP, Buckholtz JW. (2016). Selective Mapping of Psychopathy and Externalizing to Dissociable Circuits for Inhibitory Self-Control. *Clinical Psychological Science*.

**Dorfman HM**, Buckholtz JW. (2015). Imaging Genetics of Antisocial Behavior and Psychopathy. In: *Imaging Genetics: Principles and Practices*. Kristi Bigos, Ahmad Hariri and Daniel Weinberger (eds.). Oxford University Press. (Invited chapter).

**Dorfman HM**, Buckholtz JW. (2015). Social Behavior: A Penny for Your Shocks. *Current Biology*, 25(14), R600–R601. (Invited submission).

**Dorfman HM**, Buckholtz JW. (2015). Neurogenetics of Antisociality. In: *Handbook of Biosocial Criminology*. Matt DeLisi and Michael Vaughn (eds.). Routledge. (Invited chapter).

**Dorfman HM**, Meyer-Lindenberg A, Buckholtz JW. (2014). Neurobiological Mechanisms for Impulsive-Aggression: The Role of MAOA. In: *The Neuroscience of Aggression*. Andreas Meyer-Lindenberg and Klaus Miczek (eds.). Springer. 297-313. (Invited chapter).

## CONFERENCE TALKS

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**Dorfman HM**, Bhui R, Hughes BL, Gershman SJ. Causal Inference Explains Asymmetric Learning of Positive and Negative Outcomes. New England Research in Decision-Making Annual Conference, 2018. Cambridge, MA.

**Dorfman HM**, Bhui R, Hughes BL, Gershman SJ. Causal Inference Explains Asymmetric Learning of Positive and Negative Outcomes. Social and Affective Neuroscience Society Annual Conference, 2018. Brooklyn, NY.

## OTHER INVITED TALKS

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Morality Lab. Boston College, Chestnut Hill, MA.	2018
Women in Psychology Harvard-MIT Data Blitz. Cambridge, MA.	2018
Moral Psychology Research Lab. Harvard University, Cambridge, MA.	2018
Harvard Intergroup Neuroscience Lab. Harvard University, Cambridge, MA.	2016
Boston Area Moral Psychology Group. Cambridge, MA.	2016

## POSTER PRESENTATIONS

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Jaroszewski, AC, Millner, A, **Dorfman HM**, & Nock, MK. Suicidal Participants Demonstrate Decreased Inhibitory Control in Relation to Suicide-Related Information: A Pilot Study. Society for Research in Psychopathology, 2017. Denver, CO.

**Dorfman HM**, Patzelt EH, Prater-Fahey M, Buckholtz JW. The Cost of Aggression: Predicting Behavior Using a Value-Based Discounting Model. Society for Neuroscience Annual Conference, 2016. San

Diego, CA.

Hosking JG, Kastman EK, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Prefrontal Regulation of Striatal Value Signals is Disrupted in Psychopathy. Harvard Center for Brain Science Research Symposium, 2015. Cambridge, MA.

Hosking JG, Kastman EK, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Prefrontal Regulation of Striatal Value Signals is Disrupted in Psychopathy. Society for Neuroscience Annual Meeting (Nanosymposium), 2015. Washington, D.C.

Patzelt E, Kastman EK, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Impulsive Choice Behavior Predicts Exaggerated Reinforcement Learning Signals within Corticostriatal Circuitry. Social and Affective Neuroscience Society Annual Meeting, 2015. Boston, MA.

Buckholtz JW, Kastman EK, **Dorfman HM**, Newman JP, and Kiehl KK. The Value of Psychopathy: Aberrant Computation of Subjective Value During Intertemporal Choice in Incarcerated Males with Psychopathy. American Psychology Law Society, 2014.

**Dorfman HM**, Kastman E, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Corticostriatal Structural Differences Dissociate Impulsive-Antisocial Behavior From Psychopathy. Cognitive Neuroscience Society, 2014. Boston, MA.

Kastman E, Patzelt E, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Striatal Hypersensitivity to Immediate Reward Drives Self-Control Deficits in Psychopathy. Cognitive Neuroscience Society Annual Meeting, 2014. Boston, MA.

Patzelt E, Kastman E, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Corticolimbic Circuit Dysfunction Drives Reinforcement Learning Deficits in Incarcerated Antisocial Offenders. Cognitive Neuroscience Society Annual Meeting, 2014. Boston, MA.

**Dorfman HM**, Kastman E, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Parsing self-control in incarcerated criminals: Impulsive-antisocial behavior tracks variability in corticostriatal circuit structure. Society for Neuroscience Annual Meeting, 2013. San Diego, CA.

Kastman E, **Dorfman HM**, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Parsing Self-Control in Incarcerated Criminals: Aberrant Striatal Function Underlies Biased Assignment of Subjective Value to Immediate Rewards in Psychopathic Offenders. Society for Neuroscience Annual Meeting, 2013. San Diego, CA.

Millner AJ, **Dorfman HM**, Kastman E, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Parsing self-control in incarcerated criminals: Aggression and impulsive-antisocial behavior track variability in reward-related corticostriatal circuit function. Society for Neuroscience Annual Meeting, 2013. San Diego, CA.

Buckholtz JW, Kastman E, **Dorfman HM**. Biased input regulation of striatal reactivity comprises a circuit-level mechanism for human self-control. Society for Neuroscience Annual Meeting, 2013. San Diego, CA.

Rodman AM, Kastman E, Dorfman HM, Baskin-Sommers A, Kiehl KK, Newman JP, Buckholtz JW. Parsing Self-Control in Incarcerated Criminals: Selective Mapping of Psychopathy and Externalizing to Functional Circuits for Response Inhibition and Interference Suppression. Society for Neuroscience Annual Meeting, 2013. San Diego, CA.

Buckholtz JW, Kastman E, Dorfman HM, Kiehl KK, Newman JP. Incarcerated Psychopaths Overvalue Immediate Rewards During Decision-Making. Society for Affective Neuroscience Annual Meeting, 2013. San Diego, CA.

## AWARDS & FUNDING

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- Norman Anderson Fund Research Grant, Harvard University 2017
- Stimson Fund Research Grant, Harvard University 2017
- Derek Bok Center Excellence in Teaching Award, Harvard University 2016
- Restricted Funds Travel Grant, Harvard University 2016
- Sackler Scholar Programme in Psychobiology Stipend Award, Harvard University 2016
- Stimson Fund Research Grant, Harvard University 2015

## TEACHING & MENTORING

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- Peer Mentor, Harvard University Summer, 2018  
Summer Research Opportunity Intern Program
- Head Teaching Fellow, Harvard University Spring, 2018  
PSY15: Social Psychology (Fiery Cushman)
- Teaching Fellow, Harvard University Fall, 2017  
PSY1900: Introduction to Statistics for the Behavioral Sciences (Patrick Mair)
- Tutor, Harvard University Bureau of Study Council Fall, 2017
- Teaching Fellow, Harvard University Fall, 2016  
PSY15: Social Psychology (Fiery Cushman)
- Undergraduate research assistant advisor  
Students supervised: Ann Carroll\*, Lauren DiNicola\*, Mahalia Prater-Fahey  
*\*senior thesis*

## PROFESSIONAL SERVICE

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**Co-founder & Co-president**  
Harvard University Women in Psychology (WiP)  
Cambridge, MA  
<https://women.psychology.harvard.edu/>

### Ad-Hoc Reviewer

- JAMA Psychiatry
- Cerebral Cortex
- Social Cognitive and Affective Neuroscience

- Psychiatric Genetics
- Neuroimage Clinical

## PROFESSIONAL AFFILIATIONS

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- Society for Neuroscience
- Cognitive Neuroscience Society
- American Psychological Association
- Association for Psychological Science
- Social and Affective Neuroscience Society
- Sigma Delta Epsilon (Graduate Women in Science)
- Society for Research in Psychopathology