

Fiery Cushman

John L. Loeb Associate Professor of the Social Sciences
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Employment

2018-present Associate Professor, Department of Psychology, Harvard University
2014-2018 Assistant Professor, Department of Psychology, Harvard University
2011-2014 Assistant Professor, Department of Cognitive, Linguistic and Psychological Sciences,
Brown University
2008-2011 Post-Doctoral Fellow, Harvard University
2003-2004 Research Assistant, Primate Cognitive Neuroscience Laboratory, Harvard University

Education

2004-2008 Ph.D., Psychology, Harvard University
1999-2003 B.A., Honors Biology, Harvard University

Awards

2018 APA Distinguished Scientific Award for Early Career Contributions, Learning & Cognition
2015 Daniel M. Wegner Theoretical Innovation Prize, Society for Personality and Social Psychology
2014 Stanton Prize, Society for Philosophy and Psychology
2014 Undergraduate Council of Students Teaching and Advising Award, Brown University
2013 Henry Merrit Wriston Fellowship for Excellence in Teaching, Brown University
2013 Teaching with Technology Award, Brown University
2007/8 George W. Goethals Award for Excellence in Teaching, Harvard University

Grants & Fellowships

2019-2021	\$789,478	Office of Naval Research
2018-2021	\$837,399	Templeton Foundation (2.7M total, Co-PI with Liane Young)
2018-2019	\$35,000	Mind, Brain & Behavior Faculty Research Grant (with Joe Henrich)
2017-2018	\$34,500	Dean's Competitive Fund for Promising Scholarship
2014-2017	\$869,738	Office of Naval Research
2014-2017	\$353,750	Transformative Experience Project, Templeton Foundation
2015-2016	\$40,000	Foundations of Human Behavior Initiative, Harvard (with Sam Gershman)
2014-2016	\$107,900	Prospective Psychology Project, Templeton Foundation
2013-2014	\$155,000	Office of Naval Research
2012-2013	\$84,987	NSF Law and Social Sciences Program
2008-2011	\$50,000	Wisdom Initiative Grant (written with and submitted by Joshua Greene)
2008-2010		Post-Doctoral Fellowship awarded by Mind, Brain and Behavior Initiative
2005-2008		National Science Foundation Graduate Research Fellowship

Professional Activities & Memberships

Program Co-Chair, 2012 Meeting of the Society for Philosophy and Psychology
Executive Board, Society for Philosophy and Psychology, 2011-2014
Editorial Board, *Cognition* 2015-present
Co-editor of special issue on "moral learning", *Cognition*, 2017
Co-editor of special issue on "computational social cognition", *Topics in Cognitive Science*, expected publication 2018

Co-organizer of summer boot camp in computational social cognition, Harvard University, July 2017

Member: Association for Psychological Science, Cognitive Development Society, Moral Psychology Research Group, NeuroCog Collective, Society for Experimental Social Psychology, Society for Philosophy and Psychology, Society for Personality and Social Psychology, Society for Social and Affective Neuroscience

Journal Publications

Morris, A. & Cushman, F.A. (in press). A common framework for theories of norm compliance. *Social Philosophy & Policy*: Special issue on "Learning and Changing Norms".

Cova, F. et al. (2018) Estimating the reproducibility of experimental philosophy. *Review of Philosophy and Psychology*.

Icard, T., Cushman, F.A. & Knobe, J. (2018) On the instrumental value of hypothetical and counterfactual thought. *Proceedings of the Cognitive Science Society*

Ho, M., Littman, M., Cushman, F.A. & Austerweil, J. (2018) Effectively learning from pedagogical demonstrations. *Proceedings of the Cognitive Science Society*

Kool, W., Gershman, S. & Cushman, F.A. (2018) Planning complexity registers as a cost in metacontrol. *Journal of Cognitive Neuroscience*

Hannikainen, I.R., Machery, E. & Cushman, F.A. (2018) Is utilitarian sacrifice becoming more permissible? *Cognition* 170, 95-101

Barak-Corren, N., Tsay, C.J., Cushman, F.A. & Bazerman, M. (2018). If you're going to do wrong, at least do it right: Considering two moral dilemmas at the same time promotes consistency. *Management Science*. 64(4), 1528-1540

Darby, R.R., Horn, A., Cushman, F.A. & Fox, M.D. (2018). Lesion network localization of criminal behavior. *Proceedings of the National Academy of Sciences*. 115 (3), 601-606.

Morris, A. & Cushman, F.A. (2017). The evolution of flexibility and rigidity in retaliatory punishment. *Proceedings of the National Academy of Sciences*, 114(39), 10396-10401.

Cushman, F.A., Kumar, V. & Railton, P. (2017). Moral Learning: Current and future directions. *Cognition*. 167:1-10

Ho, M., McGlashan, J., Littman, M. & Cushman, F.A. (2017). Social is special: A normative framework for teaching with and learning from evaluative feedback. *Cognition* 167, 91-106.

- Hannikainen, I., Miller, R. M. & Cushman, F.A. (2017). Act versus impact: Conservatives and liberals exhibit different structural emphases in moral judgment. *Ratio*. 30(4), 462-493.
- Kool, W., Gershman, S.J. & Cushman, F.A. (2017). Cost-benefit arbitration between multiple reinforcement learning systems. *Psychological Science*. 28(9): 1321-1333.
- Everett, J. Ingbretsen, Z., Cushman, F.A. & Cikara, M. (2017). Deliberation erodes cooperative behaviour – even towards competitive outgroups, even when using a control condition, and even when controlling for sample bias. *Journal of Experimental Social Psychology*
- Phillips, J. & Cushman, F.A. (2017). Morality constrains the default representation of what is possible. *Proceedings of the National Academy of Sciences*. 114(18): 4649–4654.
- Patil, I., Calò, M., Fornasier, F., Cushman, F. & Silani, G. (2017). The behavioral and neural basis of empathic blame. *Scientific Reports*
- Ho, M. K., Littman, M. L., MacGlashan, J., Cushman, F., & Austerweil, J. L. (2016). Showing versus Doing: Teaching by Demonstration. In D. D. Lee, M. Sugiyama, U. von Luxburg, & I. Guyon (Eds.), *Advances in Neural Information Processing Systems 29*. Barcelona, Spain: Curran Associates, Inc.
- Gershman, S.J., Gerstenberg, T., Baker, C.L., & Cushman, F.A. (2016). Plans, habits and theory of mind. *PLoS One*. <http://dx.doi.org/10.1371/journal.pone.0162246>
- Kool, W., Cushman, F.A. & Gershman, S. (2016) When does model-based control pay off? *PLOS Computational Biology*. <http://dx.doi.org/10.1371/journal.pcbi.1005090>
- Schweinsberg, M., Madan, N., Vianello, M., Sommer, S. A., Jordan, J., Tierney, W., ... & Srinivasan, M. (2016). The pipeline project: Pre-publication independent replications of a single laboratory's research pipeline. *Journal of Experimental Social Psychology*.
- Martin, J. & Cushman, F.A. (2016). Why we forgive what can't be controlled. *Cognition*. 147, 133-143.
- Cushman, F.A. & Morris, A. (2015). Habitual control of goal selection in humans. *Proceedings of the National Academy of Science*. 112(45) 13817-13822.
- Cushman, F.A. (2015). Deconstructing intent to reconstruct morality. *Current Opinion in Psychology*. 6, 97-103.
- Schwitzgebel, E. & Cushman, F.A. (2015). Philosophers' biased judgments persist despite training, expertise and reflection. *Cognition*. 141, 127-137
- Martin, J.W. & Cushman, F.A. (2015). To punish or to leave: Distinct cognitive processes underlie partner control and partner choice behaviors. *PLoS ONE*. 10(4), 1-14.
- Cushman, F.A. (2015). From moral concern to moral constraint. *Current Opinion in Behavioral Sciences*, 3, 58-62.
- Feiman, R., Carey, S., & Cushman, F. A. (2015). Infants' representations of others' goals: Representing approach over avoidance. *Cognition*, 136, 204-214.
- Ho, M., Littman, M., Cushman, F. & Austerweil, J. (2015) Teaching with rewards and punishments: Reinforcement or communication?, *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*.

- Cushman, F.A. (2014). Punishment in humans: From intuitions to institutions. *Philosophical Compass*, 10 (2), 117-133
- Cushman, F.A. (2014). The Psychological origins of the doctrine of double effect. *Criminal Law and Philosophy*, 1-14
- Cushman, F.A. (2014). The scope of blame. Commentary on Malle et al., *Psychological Inquiry* 25, 201-205.
- Cushman, F.A. (2014). The neural basis of morality: Not just where, but when. *Brain*, 137, 974-975.
- Miller, R., Hannikainen, I., & Cushman, F.A. (2014). Bad actions or bad outcomes? Differentiating affective contributions to the moral condemnation of harm. *Emotion*, 14(3), 573-587.
- Miller, R., & Cushman, F. (2013). Aversive for Me, Wrong for You: First-person Behavioral Aversions Underlie the Moral Condemnation of Harm. *Social and Personality Psychology Compass*, 7(10), 707-718.
- Cushman, F.A. (2013). Action, outcome and value: A dual-system theory for morality. *Personality and Social Psychology Review*. 17(3): 273-292
- Cushman, F., Sheketoff, R., Wharton, S., & Carey, S. (2013). The development of intent-based moral judgment. *Cognition*, 127(1), 6.
- Dillon, K. & Cushman, F.A. (2012) "Agent, patient... ACTION! What the dyadic model of morality misses" Commentary on Gray et al., *Psychological Inquiry*
- Cushman, F., Durwin, A. J., & Lively, C. (2012). Revenge without responsibility? Judgments about collective punishment in baseball. *Journal of Experimental Social Psychology*, 48(5), 1106-1110.
- Cushman, F.A., Murray, D., Gordon-McKeon, S. Wharton, S. & Greene, J.D. (2012) "Judgment before principle: Disregarding the action/omission distinction in moral judgment is associated with increased activity in both the control network and the default network" *Social, Cognitive and Affective Neuroscience*, 7(8), 888-895.
- Schwitzgebel, E. & Cushman, F.A. (2012) "Expertise in moral reasoning? Order effects on moral judgment in professional philosophers and non-philosophers" *Mind & Language* 27(2): 135-53
- Cushman, F.A., Gray, K., Gaffey, A., & Mendes, W.B. (2012) "Simulating Murder: The aversion to harmful action" *Emotion* 12(1): 2-7
- Cushman, F.A. and Greene, J.D. (2012), "Finding faults: How moral dilemmas illuminate cognitive structure" *Social Neuroscience* 7(3): 269-279
- Inbar, Y., Pizarro, D., Cushman, F.A. (2012), "Benefitting from misfortune: When harmless actions are judged morally blameworthy" *Personality and Social Psychology Bulletin* 38: 52-62
- Cushman, F.A. (2011), "Morality from the frog's eye view" *Emotion Reviews* 3(3): 261-263
- Cushman, F.A., Young, L., (2011) "Patterns of moral judgment derive from non-moral psychological representations" *Cognitive Science* 35(6): 1052-1075
- Cushman, F.A., A. Dreber, Y. Wang, J. Costa (2009) "Accidental outcomes guide punishment in a 'trembling hand' game" *PLOS One* 4(8): e6699.doi:10.1371/journal.pone.0006699

Cushman, F.A., Macendoe O. (2009) "The coevolution of punishment and prosociality among learning agents" In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*

Cushman, F.A. & L. Young (2009) "The psychology of dilemmas and the philosophy of morality" *Ethical Theory and Moral Practice* 12(1): 9

Greene, J.D., Cushman, F.A., Stewart, L.E., Lowenberg, K., Nystrom, L.E., Cohen, J.D. (2009) "Pushing Moral Buttons: The interaction between personal force and intention in moral judgment" *Cognition* 111(2): 364-371

Cushman, F.A. (2008) "Crime and Punishment: Distinguishing the roles of causal and intentional analysis in moral judgment" *Cognition* 108(2): 353-380

Cushman, F.A., J. Knobe, W. Sinnott-Armstrong (2008) "Moral judgments impact doing/allowing judgments" *Cognition* 108(1): 281-289

Mele, A. & F.A. Cushman (2007) "Intentional action, folk judgments and stories: Sorting things out" *Midwest Studies in Philosophy* 31(1): 184-201

Young, L., F.A. Cushman, M.D. Hauser, R. Saxe. (2007) "The neural basis of the interaction between theory of mind and moral judgment" *Proceedings of the National Academy of Science* 104(20): 8235-8240

Koenigs, M., Young, L., R. Adolphs, D. Tranel F.A. Cushman, M.D. Hauser & A. Damasio (2007) "Damage to ventromedial prefrontal cortex increases utilitarian moral judgments" *Nature* 446: 908-911

Hauser, M.D., F.A. Cushman, L. Young, R. Kang-Xing Jin & J. Mikhail (2007) "A dissociation between moral judgments and justifications" *Mind and Language* 22(1): 1-21

Cushman, F.A., L. Young & M.D. Hauser (2006) "The Role of Conscious Reasoning and Intuition in Moral Judgments: Testing three principles of harm " *Psychological Science* 17(12): 1082-1089

Young, L., F.A. Cushman, R. Adolphs, D. Tranel & M.D. Hauser (2006) "Does emotion mediate the relationship between an action's moral status and its intentional status? Neuropsychological evidence" *Journal of Culture and Cognition* 6(1-2): 291-304

Stevens, J.R. & F.A. Cushman (2004). Cognitive constraints on reciprocity and tolerated scrounging. Commentary on M. Gurven, *Behavioral and Brain Sciences* 27:4

Book Chapters

Cashman, M. & Cushman, F.A. (in press). Learning from Moral Failure. in *Becoming Someone New: Essays on Transformative Experience, Choice, and Change*. Eds. E. Lambert & J. Schwenkler, Oxford University Press

Kool, W., Cushman, F.A. & Gershman, S.J. (in press). Competition and cooperation between multiple reinforcement learning systems. in R. W. Morris, A. M. Bornstein, & A. Shenhav (Eds.) *Understanding Goal-Directed Decision Making: Computations and Circuits*, Amsterdam, NL: Elsevier

Cushman, F.A. (in press). Is cognitive neuroscience an oxymoron? In Sarah-Jane Leslie & Simon Cullen (eds), *Current Controversies in the Philosophy of Cognitive Science*

Miller, R. M., Cushman, F.A. (2018). Moral values and motivations: How special are they? in K. Gray & J. Graham (eds), *The atlas of moral psychology: Mapping good and evil*.

Cushman, F.A. (2017). Is non-consequentialism a feature or a bug? In Julian Kiverstein (ed), *The Routledge Handbook of Philosophy of the Social Mind*. Routledge, New York, p. 262-279

Martin, J. and Cushman, F.A. (2016) "The adaptive logic of moral luck" *The Blackwell Companion to Experimental Philosophy*

Bartels, D. M., Bauman, C. W., Cushman, F. A., Pizarro, D. A. & McGraw, A.P. (2014). Moral Judgment and Decision Making. In G. Keren & G. Wu (Eds.), *Blackwell Reader of Judgment and Decision Making*. Malden, MA: Blackwell.

Cushman, F.A., (2013), "The functional design of punishment and the psychology of learning" in *Signaling, Commitment and Emotion, Vol. 2: Psychological and Environmental Foundations of cooperation*, ed. R. Joyce, K. Sterelny, B. Calcott & B. Fraser. MIT Press

Cushman, F.A., and Greene, J.D. (2011), "The philosopher in the theater" in *Social psychology of morality: The origins of good and evil*, Ed. Mario Mikulincer & Philip R. Shaver, APA Press

Cushman, F.A., L. Young & J. Greene (2010) "Our multi-system moral psychology: Towards a consensus view" in *The Oxford Handbook of Moral Psychology*, ed. John Doris et al, Oxford University Press

Sinnott-Armstrong, W., L. Young and F.A. Cushman (2010) "Moral intuitions as heuristics" in *The Oxford Handbook of Moral Psychology* ed. John Doris et al, Oxford University Press

Cushman, F.A. & A. Mele (2008) "Intentional action: Two and half folk concepts" in *Experimental Philosophy*, ed. J. Knobe and S. Nichols. New York: Oxford University Press, NY

Hauser, M.D., L. Young & F.A. Cushman (2008) "Reviving Rawls' Linguistic Analogy" in *Moral Psychology and Biology* ed. W. Sinnott-Armstrong, Oxford University Press, NY

Cushman, F.A. (2006) "Aping ethics: behavioral homologies and nonhuman rights" in *People, Property or Pets?* ed. M. Hauser, F. Cushman & M. Kamen; Purdue University Press, West Lafayette

Stevens, J.R., F.A. Cushman & M.D. Hauser (2005) "Evolving the psychological mechanisms for cooperation." *Annual Review of Ecology and Systematics* 36:499-518

Essays

Cushman, F. (2011) "Should the law depend on luck?" in *What's Next 2*, ed. Max Brockman

Cushman, F. (2010) "Morality: Don't be afraid" *New Scientist*, 19 Oct. 2010, issue 2782

Cushman, F.A., L. Young & M.D. Hauser (2006) "The Psychology of Justice: A review of Natural Justice by Kenneth Binmore" *Analyse & Kritik* 28:95-98

Cushman, F. (2006). "The Declaration of Independence: A Lab Report" In *Character* Fall 2006: 50-61

Edited Book

People, Property or Pets? (2006) Ed. M.D. Hauser, F.A. Cushman & M. Kamen; Purdue University Press, West Lafayette

Invited Talks & Colloquia

- "Investigating Moral Intuitions" Cognition, Brain and Behavior Seminar, Harvard University, Sept. 23, 2004
- "The Origins of Moral Principles" Cognition, Brain and Behavior Seminar, Harvard University, Dec. 14, 2006
- "Two Processes of Moral Judgment" University of Oslo, March 16, 2007
- "Moral Psychology and the Evolution of Cooperation" Australian National University, Aug. 22, 2007
- "The Origins of Moral Principles" Cognitive Talk Series, Yale University, Oct. 2, 2007
- "Crime and punishment: The role of causal and mental state attributions in moral judgment" New York University, March 7, 2008
- "Intentions and Outcomes: Which do we punish, and why?" Berkman Center for Internet and Society, Harvard Law School, May 12, 2008
- "Intentions and Outcomes: Which do we punish, and why?" Gruter Institute for Law and Biology, May 21, 2008
- "Three functions of morality" Judicial Education Program, September 15, 2008
- "Intentions and Outcomes: Which do we punish, and why?" Marascopa County Judicial Education Day, March 6, 2009
- "Intentions and Outcomes: Which do we punish, and why?" Judicial Education Program, March 26, 2009
- "Plato's Pickle: The origins of moral principles" Gruter Institute for Law and Biology, May 20, 2009
- "Intentions and Outcomes: Which do we punish, and why?" Society for Evolutionary Analysis in Law, April 18, 2009
- "Intentions and Outcomes: Which do we punish, and why?" Judicial Education Program, June 18, 2009
- "Intentions and Outcomes: Which do we punish, and why?" Harvard Law School Association for Law and Mind Sciences, Sept. 21, 2009
- "Two Functions of Morality" Cognition, Brain and Behavior Seminar, Harvard University, October 29, 2009
- "Intentions and Outcomes: Which do we punish, and why?" Judicial Education Program, November 2, 2009
- "Two Functions of Morality" University of Arizona, November 7, 2009
- "The Origins of Moral Principles" Workshop on Moral Psychology, The Interdisciplinary Center, Herzelya Isreal, Apr. 27, 2010
- "Two Functions of Morality" California Institute of Technology, June 3, 2010
- "Three Functions of Morality" Society for Philosophy and Psychology Pre-Conference Workshop on Morality, June 9, 2010
- "The Arch and the Spandrel" Cold Spring Harbor Summer Workshop in Social Cognition, July 15, 2010
- "Two Functions of Morality" Culture and Mind Project Workshop on Moral Psychology, September 17, 2010
- "Two Functions of Morality" Moral Psychology Talk Series, Yale University, October 13, 2010
- "Two Functions of Morality" Workshop on Experimental Ethics, Pontifícia Universidade Católica do Rio de Janeiro, Dec. 7, 2010
- "Moral Dilemmas and Cognitive Architecture" Workshop on Experimental Ethics, Pontifícia Universidade Católica do Rio de Janeiro, Dec. 10, 2010
- "Moral Intuitions and Moral Principles" Cognitive Neuroscience Talk Series, Dartmouth College, February 10, 2011
- "Two Functions of Morality" Colloquium, Columbia University Department of Psychology, Oct. 26, 2011
- "The Origins of Moral Principles" Social Psychology Talk Series, Yale University, Oct. 31, 2011
- "The Aversion to Harmful Action" Carnegie Council for Peace, Nov. 7, 2011
- "The Development of Intent-Sensitive Moral Judgment" Developmental Psychology Talk Series, Yale University, December 14, 2011
- "The Aversion to Harmful Action" NeuroCog Collective Workshop, Jan. 7, 2012
- "Two Functions of Morality" Social Psychology Talk Series, U. Mass. Amherst, Feb. 24, 2012

"Two Functions of Morality" Metro Experimental Research Group, March 16, 2012

"Where do Moral Principles Come From?" Experiments in Ethics Workshop, London, May 4, 2012

"Two Functions of Morality" Roger Williams University Colloquium, Oct. 10, 2012

"Action, outcome and value: From computational neuroscience to political disputes" University of Pennsylvania Political Psychology Series

"Action, outcome and value" Morality Preconference, Society for Personality and Social Psychology, New Orleans, Jan. 17, 2013

"Action, outcome and value" Winterschool in forensic psychology, Munich Germany, Feb. 2, 2013

"Action, outcome and value" Rensselaer Polytechnic Institute, Troy NY, Feb. 27, 2013

"Two Functions of Morality" University of Pennsylvania, March 12, 2013

"The trouble with harm" Janus Forum, Brown University, Providence RI, April 17 2013

"Action, outcome and value" Princeton Neuroscience of Social Decision-Making series, Princeton NJ, May 8, 2013

"What do psychologists know about morality?" Penn Summer Fellowship in Neuroethics, Philadelphia PA, June 25, 2013

"Action, outcome and value" International Summer School in Affective Sciences, Geneva, July 12, 2013

"Misery Loves Company" Workshop on Infant Social Cognition, Institut Jean Nicod, ENS, Paris, September 17, 2013

"Learning Matters" Harvard Social Psychology Series, Cambridge, September 24, 2013

"Learning Matters" Wash. U. at St. Louis Philosophy Department Colloquium, Nov. 14, 2013

"Learning Matters" Cornell Behavioral Economics and Decision Research Workshop, Dec. 3, 2013

"Learning Matters" Harvard Cognitive Psychology Series, Dec. 5, 2013

"Learning Matters" Boston College Developmental Series, Jan. 21, 2014

"Learning Matters" University of Maryland, March 6, 2014

"Learning Matters" Macquarie University, May 30, 2014

"Learning Matters" Monash University, June 2, 2014

"Learning Matters" Society for Philosophy and Psychology Stanton Award lecture, June 21, 2014

"Learning Matters" CEU International Summer School in Morality, Budapest, June 25, 2014

"Moral Habits" Cognitive Science Society, Quebec City, July 25, 2014

"Habits of Thought", Prospection in Social Life Workshop, Barcelona, October 10, 2014

"Learning Matters" Harvard Behavioral and Experimental Economics Workshop, October 14, 2014

"Learning Matters" Murphey Institute, Tulane University, November 7, 2014

"Two Functions of Morality" Center for Law Brain and Behavior, Harvard University, November 18, 2014

"How can a reinforcement learning model of morality possibly be right?" Workshop on Moral Learning, University of Michigan, Ann Arbor, May 17 2015

"Biased by Morals" American Association for Justice, Montreal, July 13, 2015

"Habitual Control of Goal Selection" New York University, September 24, 2015

"Learning Matters" Northwestern University, October 29, 2015

"Moral Habits" Harvard Law School SALMS meeting, November 19, 2015

"Moral Learning" Folk Epistemology Preconference, Society for Personality and Social Psychology, Jan. 21, 2016

"Moral Habits" Brown University, March 18, 2016

"Imagination and Moral Transformation" SPP Preconference on Transformative Experience, June 1, 2016

"From moral concern to moral constraint: The next frontier for neuroethics" University of Pennsylvania Neuroscience and Society Public Talk Series, October 6, 2016

"Learning matters" Georgia State University Neurophilosophy Forum, September 23, 2016

"Is non-consequentialism a feature or a bug?" Symposium on Behavioral Ethics, Harvard Business School, Oct. 21, 2016

"How to know what not to think" Brown University Pleasure, Reward and Value conference, March 18, 2017

"From moral concern to moral constraint" Association for Psychological Science invited symposium, May 27, 2017

"Social is Special" Yale Developmental Psychology Seminar Series, September 13, 2017

"How to know what not to think" Caltech Behavioral and Social Neuroscience Colloquium, October 26,

2017

- "How to know what not to think" Princeton University workshop on Cognitive Control and Moral Responsibility, October 31, 2017
- "How we know what not to think" UCL Affective Neuroscience Lab Seminar Series, March 8, 2018
- "How we know what not to think" University of Toronto Social Personality Research Group Series, March 13, 2018
- "How we know what not to think" UC San Diego Department Colloquium, March 16, 2018
- "How we know what not to think" Social Neuroscience and Philosophy workshop, Duke University, June 6, 2018

Talks from Submitted Abstracts (as primary presenter only)

- "The role of reasoning and intuition in moral judgment" Society for Philosophy and Psychology, Washington University, June 2, 2006
- "Two processes of moral judgment" Society for Personality and Social Psychology, Jan. 27, 2007
- "Outcomes vs. Intentions: Which do we punish, and why?" Society for Judgment and Decision-making, November 15, 2008
- "Accidental outcomes guide punishment in a 'Trembling Hand' game" Society for Personality and Social Psychology, Jan. 2010
- "The effect of bias and expertise in philosophical practice: Empirical evidence" Society for Philosophy and Psychology, Portland Oregon, June 2010
- "The scope of character judgments: Prediction, affiliation, religion and beyond" Society for Personality and Social Psychology, Jan. 2011
- "The origins of moral principles: A case-study of the action-omission distinction" Society for Philosophy and Psychology, Montreal, July 2011
- "The development of intent-sensitive moral judgment" Cognitive Development Society, Philadelphia, October 2011
- "Do liberals and conservatives agree about moral character?" Society for Experimental Social Psychology, Washington, D.C., October 2011
- "The development of intent-based moral judgment" Society for Personality and Social Psychology, New Orleans, January 2013
- "What is an optimal intervention?" International Conference on Thinking, Providence, August 2016
- "Intuitive Metacontrol" Society for Experimental Social Psychology, Boston MA, Oct. 14 2017

Guest Lectures

- On moral psychology for Richard Holton at Dept. of Philosophy, M.I.T., Nov. 28, 2006
- On the evolution of cooperation for Ian Gilby at Dept. of Anthropology, Harvard University, Dec. 19 2006
- On moral psychology for Joshua Knobe at Dept. of Philosophy, University of North Carolina, Apr. 4 2007
- On the evolution of punishment and prosociality for Martin Novak at Program for Evolutionary Dynamics, Harvard University, Dec. 11 2008
- On moral psychology for Harvard Business School moral psychology workshop, Jan. 2010
- On moral psychology for Cold Spring Harbor workshop on Social Cognition, July 15 2010
- On moral psychology for Harvard Business School moral psychology workshop, Jan. 2011
- On moral psychology for Drazen Prelec at MIT Sloan Business School, Apr. 28, 2011
- On moral psychology for Wellcome Trust workshop on Social Cognition, Aug. 14 2011
- On experimental methods for Experimental Philosophy Bootcamp, Yale U., Aug. 12, 2011
- On moral psychology for Cold Spring Harbor workshop on Social Cognition, July 15 2012
- On moral psychology for Liane Young at Boston College, October 23 2012
- On moral psychology for Wellcome Trust workshop on Social Cognition, July 15 2013
- On reinforcement learning for Thomas Serre Computational Methods course, April 14, 2013

On effective presentation styles for doctoral student professional development, Harvard University,
On ethical decision making for HKSG leadership conference, June 18, 2105
On moral psychology for MIT architecture / media lab course, Nov. 11, 2015
On cognitive neuroscience for Nancy Gertner at Harvard Law School, Feb. 3 2016
On moral psychology for Liane Young at Boston College, March 17 2016
On moral psychology and law for Nancy Gertner at Harvard Law School, Feb. 13 2018

Public Lectures

"Morals in Monkeys and Man" Parker High School, Oct 22, 2003
"What is Human Nature?" Vermont Academy, Nov. 16, 2006
"The Science of Babies" with Peter Blake, Museum of Science, Boston, Aug. 5, 2007
"What is Philosophy?" Vermont Academy, Nov. 6, 2007
"Altruism and Selfishness" with Peter Blake & Dave Rand, Museum of Science, Boston, Nov. 29, 2007
"The origins of human conflict" Vermont Academy, Jan. 22, 2008
"The aversion to harm" PopTech Annual Conference, Camden, Oct. 24, 2013

Posters (as primary presenter only)

"Core knowledge of intentions: A preference for actions over omissions" Society for Research on Child Development, March 31 2007
"The interaction of intentions and consequences in punishment and reward" Society for Neuroeconomics, Sept. 28, 2007
"The interaction of intentions and consequences in punishment and reward" Society for Philosophy and Psychology, June 28, 2008
"The coevolution of punishment and prosociality among learning agents" Cognitive Science Society, July 30, 2009
"Psychological responses to the performance of harmful actions" Society for Personality and Social Psychology, Jan. 2010
"When its wrong not to act: How the brain processes harmful omissions" Cognitive Neuroscience Society, Apr. 2010

Teaching and Mentoring

Classroom Instruction:

PSY 15: Social Psychology, Harvard University, 2014, 2015, 2016, 2017, 2018
CLPS 0700: Introduction to Social Psychology, Brown University, 2012-14
CLPS 2770: Moral Psychology, Brown University, 2012
CLPS 1280: Dual Systems in Cognition, 2013
Sophomore Tutorial, Harvard University, 2007-08

Postdoctoral advising:

Max Kleiman-Weiner, 2018-present
Adam Bear, 2018-present
Regan Bernhard, 2017-present
Indrajeet Patil, 2017-present
Sydney Levine, 2017-2019 present
Giuseppe Ugazio, 2016- present
Wouter Kool, 2015-present
Jonathan Phillips, 2014- present
Jorie Koster-Hale, 2014- 2016

Graduate advising:

Ryan Miller, Brown University, Ph.D. 2017
Justin Martin, Harvard University, Ph.D. 2017
Adam Morris, Harvard University, Ph.D. 2020 (expected)
Arunima Sarin, Harvard University, Ph.D. 2022 (expected)

Dissertation Committee Member, not as primary advisor (14):

Monica Burns
Mark Ho
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Jack Cao
James Dungan
Regan Bernhard
Gus Cooney
Mark Thornton
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Jeff Cockburn
Jorie Koster-Hale
Gideon Goldon
Andrew Monroe

Undergraduate honors thesis primary advisor (16):

Maria Barth
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Rocksheng Zhang
Cindy Pollack
Hannah Boettcher
Greg Sewitz
Laurel Mattos
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Adam Bear
Robin Sifre
Adam Morris
Julia Franckh
Hannah Begely
Mahnoor Kahn

Reader on 3 honors senior theses at Harvard University 2014 - present
Freshman/Sophomore advisor, Brown University, 2012-2014
Psychology Concentration Advisor, Harvard University, 2005-2011
Resident Tutor in Cabot House, Harvard University, 2005-2011

Peer Review

Recognition:

Certificate of Reviewing Excellence by editors of *Cognition* on behalf of Elsevier

Grants:

National Science Foundation, US-Israel Binational Science Foundation, Templeton Foundation

Articles:

Behavioral and Brain Science, Behavioral Research Methods, Brain, British Journal of Psychology, British Journal of Social Psychology, Child Development, Cognition, Cognitive, Affective, and Behavioral Neuroscience, Cognition and Emotion, Cognitive Development, Cognitive Science, Current Biology, Developmental Psychology, Emotion, Evolution and Human Behavior, Infant and Child Development, Journal of Cognitive Neuroscience, Journal of Empirical Legal Studies, Journal of Experimental Child Psychology, Journal of Experimental Psychology - General, Journal of Experimental Psychology - Learning Memory and Cognition, Journal of Experimental Social Psychology, Journal of Personality and Social Psychology, Judgment and Decision Making, Management Science, Memory and Cognition, Mind and Language, Nature, Neuroimage, Neuroscience and Biobehavioral Reviews, Organizational Behavior and Human Decision Processes, Personality and Social Psychology Bulletin, Philosophical Psychology, Psychological Science, Proceedings of the National Academy of Sciences, Political Psychology, Public Library of Science - ONE, Psychological Bulletin, Review of Behavioral and Brain Functions, Review of Philosophy and Psychology, Science, Social Cognitive and Affective Neuroscience, Social Neuroscience, Thinking and Reasoning

University Service

Psychology Department Colloquium Committee: 2014-present

Psychology Department Restricted Funds Committee: 2016-present

Social Psychology Research Seminar Series Committee: 2014-present

Mind, Brain & Behavior Steering Committee: 2016-present

Mind, Brain & Behavior Affiliate: 2014-present

MBB Planning Committee for Junior Research Symposium: 2015-2017

Faculty member of Center for Law, Brain and Behavior: 2014-present

Faculty Advisor to Harvard Model Congress (undergraduate organization): 2014-present

Member of Senior Common Room of Cabot House: 2014-present