

# TANIA LOMBROZO

*Curriculum Vitae*

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## CONTACT INFORMATION

Department of Psychology  
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## EDUCATION

- 2006 - Ph.D. in Psychology, Harvard University, Cambridge, MA.  
Thesis: *Understanding explanation: Studies in teleology, simplicity, and causal knowledge.* (Advisor: Susan Carey)
- 2004 - A.M. in Psychology, Harvard University, Cambridge, MA.
- 2002 - B.S. in Symbolic Systems, Stanford University, Stanford, CA.  
B.A. in Philosophy, Stanford University, Stanford, CA. (with distinction)  
Thesis: *Optimality and teleology in adaptationist explanations of cognition.*  
(Advisor: Peter Godfrey-Smith)

## PROFESSIONAL POSITIONS

- 2024 – Co-Director, Initiative on Natural and Artificial Minds, Princeton University
- 2021 – Director, Program in Cognitive Science, Princeton University
- 2020 – Arthur W. Marks '19 Professor of Psychology, Princeton University
- 2018 – Professor, Department of Psychology, Princeton University  
Associated Faculty, Department of Philosophy, Princeton University  
Faculty Associate, University Center for Human Values
- 2017 – 2018 Professor (Class of 1944 Chair), Department of Psychology, UC Berkeley  
Affiliate Faculty Member, Department of Philosophy, UC Berkeley
- 2013 – 2017 Associate Professor, Department of Psychology, UC Berkeley  
Affiliate Faculty Member, Department of Philosophy, UC Berkeley
- 2006 – 2013 Assistant Professor, Department of Psychology, UC Berkeley  
Affiliate Faculty Member, Department of Philosophy, UC Berkeley

## HONORS & AWARDS

## **Research Awards and Recognitions**

Joseph B Gittler Award from the American Psychological Foundation (APF) “to recognize psychologists who are making and will continue to make scholarly contributions to the philosophical foundations of psychological knowledge,” awarded 2020

American Council of Learned Societies (ACLS) Fellow, Fall 2017

American Psychological Association (APA) Distinguished Scientific Award for Early Career contributions to psychology, awarded August, 2016

Roger N. Shepard Distinguished Visiting Scholar, University of Arizona, Tucson, October 2015

Outstanding Early Career Award from the Psychonomic Society, selected 2014

Early Investigator Award from the Society of Experimental Psychologists (SEP), Lifetime Fellow of the Society, elected 2013, awarded 2014

Fellow of the Association for Psychological Science, named in 2012

Wasow Visiting Scholar, Symbolic Systems Program, Stanford University, October 2012

Janet Taylor Spence Award for Transformational Early Career Contributions, Association for Psychological Science, awarded 2012

James S. McDonnell Foundation Scholar Award in Understanding Human Cognition, awarded 2011

National Science Foundation CAREER Award, awarded 2011

Humanities Research Fellowship, UC Berkeley Division of Arts and Humanities in the College of Letters and Sciences, Awarded Spring 2011 for 2012 sabbatical

The Stanton Award, awarded by the Society for Philosophy and Psychology to “a young scholar in philosophy or psychology who has begun making significant contributions to interdisciplinary research” and who has been involved in the society, awarded Summer 2010

Mary C. Potter Award, awarded by Women in Cognitive Science (WICS) to junior scientist who best exemplifies the hallmarks of Potter's research: creativity of approach, experimental rigor, and a focus on basic questions in cognition, awarded Fall 2009

National Science Foundation (NSF) graduate fellowship, for graduate study, awarded 2002

National Defense Science and Engineering Graduate Fellowship (NDSEG), for graduate study, awarded 2002

Robert M. Golden Medal, for excellence in the humanities and creative arts, awarded for honors thesis in philosophy, 2002

Philip R. Rhinelander Prize, in recognition of outstanding achievement and service, awarded by Stanford Department of Philosophy, 2002

Phi Beta Kappa, elected to Stanford Chapter in 2002

Cap and Gown, Stanford Women's Honors Society, elected in 2001

Stanford University President's Scholar, named in 1998

## **Best Paper and Poster Awards**

Marr Prize, awarded to the best student paper at the Annual Meeting of the Cognitive Science Society in 2022, for Oktar, K., & Lombrozo, T. (2022). Mechanisms of Belief Persistence in the Face of Societal Disagreement. *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*.

Honorable Mention Award for CHI2016 (awarded to 92 of ~2325 paper submissions), for paper by C. Williams, J. J., Lombrozo, T., Hsu, A., Huber, B., & Kim, J. for the 34th Annual ACM Conference on Human Factors in Computing System, Summer 2016

Society for Philosophy and Psychology Poster Prize, awarded for poster by C. Walker, T. Lombrozo, C. Legare, & A. Gopnik at annual meeting of society, Summer 2013

Society for Philosophy and Psychology Poster Prize, awarded for poster by K. Uttich and T. Lombrozo at annual meeting of society, Summer 2010

William James Prize, for best psychology graduate student essay presented at the annual meeting of the Society for Philosophy and Psychology, Summer 2004

### **Mentorship Awards**

Graduate Mentoring Award from the McGraw Center for Teaching and Learning and the Graduate School of Princeton University, awarded 2024

### **Teaching Awards**

Harvard University George W. Goethals Teaching Prize, awarded for high scores on teaching evaluations as an instructor for a sophomore tutorial, Spring 2005

Harvard University Certificate of Distinction in Teaching, awarded for high scores on teaching evaluations as a Teaching Fellow for course titled “The Human Mind,” Spring 2004

## **GRANTS AND RESEARCH SUPPORT**

### **Extramural Funding**

John Templeton Foundation. 10/01/23-09/31/26. “Promoting Intellectual Humility about Politics through Probabilistic Thinking.” (PI: Lombrozo). \$249,986.

John Templeton Foundation. 11/01/2021-05/01/2023. “What is belief?” ID 62244 (PI: Jonathan Jong). Subaward £16,721.

Reboot Foundation. 2019-2020. “Deliberation and intuition in decision-making.” (PI: Lombrozo). \$10,000.

Templeton World Charity Foundation. 2/7/2020-6/30/2023. “Autonomy and Moral Attribution.” TWCF-2019-20433 (PI: Lombrozo, Co-PI: David Danks). \$234,000.

John Templeton Foundation. 12/1/2018-11/30/2021. “When and Why We Explain: Need for Explanation and Tolerance for Mystery in Science and Religion.” (PI: Lombrozo). \$549,864.

National Science Foundation, Science of Learning Program. 7/01/2017-6/30/2022. “The Development of Structural Thinking about Social Categories.” BCS-1730660/SMA-1948630 (PI: Lombrozo, Co-PI: Gopnik). \$578,581.

John Templeton Foundation. 8/1/2015-3/31/2017. “The nature and rationality of transformative understanding.” (PI: Tania Lombrozo). Subaward from Transformative Experience Project, \$82,824.

John Templeton Foundation and Henry Luce Foundation. 7/1/2013-6/30/2016. “Varieties of understanding: new perspectives from psychology, philosophy, and theology.” (PI: Stephen Grimm). Subaward \$570,748.

NIMH R34, 08/01/2012-07/31/2013, “Learning from CBT: A critical step in behavior change and improved mental health?” (PI: Allison Harvey). Co-I on administrative supplement to “Improving depression outcomes by Enhancing Memory for Cognitive Therapy,” R34, NIMH (PI: Allison Harvey). \$112,772.

James S. McDonnell Foundation Scholar Award in Understanding Human Cognition, 1/1/2012-1/1/2020. “Knowledge from nowhere: How thinking leads to learning.” (PI: Lombrozo). \$600,000.

National Science Foundation, Perception, Action, and Cognition & Division of Research on Learning Programs. 4/15/2011-3/31/2018. “CAREER: Understanding the role of explanation in cognition.” DRL-1056712 (PI: Lombrozo). \$551,037.

University of Oxford’s Cognition, Religion, and Theology Project. 5/1/2009-8/31/2010. “Explanation in religion: some mysteries are more mysterious than others.” (PI: Lombrozo) £16,646 (\$24,488).

National Science Foundation, Perception, Action, and Cognition Program. 8/15/2008-7/31/2012. “The role of explanation in causal reasoning and categorization.” BCS-0819231 (PI: Lombrozo). \$204,097.

### **Intramural Funding**

McDonnell Foundation Collaborative Initiative on Causal Learning (PI: Gopnik), sub-award, 4/1/2010-12/31/2011. “Extension: exploring the role of explanation in learning with children and adults.” (Co-PIs: Lombrozo, Cristine Legare). \$29,180.

McDonnell Foundation Collaborative Initiative on Causal Learning (PI: Gopnik), sub-award, 2/1/2009-12/31/2011. “Exploring the role of explanation in learning with children and adults.” (Co-PIs: Lombrozo, Cristine Legare). \$40,258.

UC Berkeley Committee on Research (COR) Hellman Family Faculty Fund Award for project on “Empirical investigations of explanation and inference,” \$29,200, 2009-2010.

UC Berkeley Regent’s Junior Faculty Fellowship, \$5,000, 2008.

UC Berkeley Committee on Research (COR) Junior faculty Research Grant Award for project on “Representing and understanding science,” \$4,000, 2008-2009.

UC Berkeley Committee on Research (COR) Junior faculty Research Grant Award for project on “Moral reasoning,” \$5,000, 2007-2008.

UC Berkeley Committee on Research (COR) Junior faculty Research Grant Award for project on “The psychology of causal judgments,” \$8,000, 2006-2007.

### **PUBLICATIONS**

*\*Postdoc, student, or research assistant coauthors indicated with asterisks*

### **Edited volumes**

- Lombrozo, T., Knobe, J., & Nichols, S. (Eds.). (2021).** *Oxford Studies in Experimental Philosophy: Volume 4*. Oxford: Oxford University Press.
- Lombrozo, T., Knobe, J., & Nichols, S. (Eds.). (2020).** *Oxford Studies in Experimental Philosophy: Volume 3*. Oxford: Oxford University Press.
- Lombrozo, T., Knobe, J., & Nichols, S. (Eds.). (2018).** *Oxford Studies in Experimental Philosophy: Volume 2*. Oxford: Oxford University Press.
- Lombrozo, T., Knobe, J., & Nichols, S. (Eds.). (2015).** *Oxford Studies in Experimental Philosophy: Volume 1*. Oxford: Oxford University Press.

### Refereed journal articles

- \*Kinney, D. & **Lombrozo, T.** (In press). Building compressed causal models of the world. *Cognitive Psychology*.
- Lombrozo, T.** (2024). Learning by thinking in natural and artificial minds. *Trends in Cognitive Sciences*.
- \*Oktar, K., †**Lombrozo, T.**, & †Griffiths, T.L.. (2024) Learning from aggregated opinion. *Psychological Science*. († joint senior authorship)
- \*Oktar, K., Sucholutsky, I., **Lombrozo, T.** & Griffiths, T. (2024). Dimensions of disagreement: Unpacking divergence and misalignment in cognitive science and artificial intelligence. *Decision*.
- \*Vrantsidis, T., & **Lombrozo, T.** (2024). Inside Ockham’s Razor: A mechanism driving preferences for simpler explanations. *Memory & Cognition*.
- \*Lewry, C., Tsai, G., & **Lombrozo, T.** (2024). Are ethical explanations explanatory? Meta-ethical beliefs shape judgments about explanations for social change. *Cognition*, 250, 105860
- \*Kinney, D. & **Lombrozo, T.** (2024). Tell me your (cognitive) budget, and I’ll tell you what you value. *Cognition*, 247, 105782
- \*Vasil, N., Srinivasan, M., Ellwood-Lowe, M. E., Delaney, S., Gopnik, A., & **Lombrozo, T.** (2024). Structural explanations lead young children and adults to rectify resource inequalities. *Journal of Experimental Child Psychology*, 242, 105896.
- \*Cusimano, C., \*Zorrilla, N., Danks, D. & **Lombrozo, T.** (2024). Psychological freedom, rationality, and the naïve theory of reasoning. *Journal of Experimental Psychology: General*, 153(3), 837-863.
- \*Metz, S. E., \*Liquin, E. G., & **Lombrozo, T.** (2023). Distinct profiles for beliefs about religion versus science. *Cognitive Science*, 47(11), e13370. doi: 10.1111/cogs.13370
- \*Lewry, C., Kelemen, D., & **Lombrozo, T.** (2023). The moral consequences of teleological beliefs about the human species. *Journal of Experimental Psychology: General*. doi: 10.1037/xge0001446
- \*Gill, M., & **Lombrozo, T.** (2023). Seeking evidence and explanation signals religious and scientific commitments. *Cognition*, 238, 105496. doi: 10.1016/j.cognition.2023.105496
- Lombrozo, T.** & \*Liquin, E. G. (2023). Explanation is effective because it is selective. *Current Directions in Psychological Science*, 32(3), 212-219. doi: 10.1177/09637214231156106
- \*Cusimano, C. & **Lombrozo, T.** (2023). People recognize and condone their own morally motivated reasoning. *Cognition*, 234, 105379. doi: 10.1016/j.cognition.2023.105379

- Van Leeuwen, N. & **Lombrozo**, T. (2023). The puzzle of belief. *Cognitive Science*, 47(2), e13245. doi: 10.1111/cogs.13245
- \*Oktar, K., Lerner, A., \*Malaviya, M., & Lombrozo, T. (2023). Philosophy instruction changes views on moral controversies by decreasing reliance on intuition. *Cognition*, 236, 105434. doi: 10.1016/j.cognition.2023.105434
- \*Lewry, C., \*Gorucu, S., \*Liquin, E. G., & **Lombrozo**, T. (2023). Minimally counterintuitive stimuli trigger greater curiosity than merely improbable stimuli. *Cognition*, 230, 105286. doi: 10.1016/j.cognition.2022.105286
- \*Foster-Hanson, E. & **Lombrozo**, T. (2022). How ‘is’ shapes ‘ought’ for folk-biological concepts. *Cognitive Psychology*, 139, 101507. doi: 10.1016/j.cogpsych.2022.101507
- \*Vasil, N., & **Lombrozo**, T. (2022). Explanations and causal judgments are differentially sensitive to covariation and mechanism information. *Frontiers in Psychology*, 13, 911177. doi: 10.3389/fpsyg.2022.911177
- \*Dubey, R., Griffiths, T.L., **Lombrozo**, T. (2022). If it’s important, then I’m curious: Increasing perceived usefulness stimulates curiosity. *Cognition*, 226, 105193. doi: 10.1016/j.cognition.2022.105193
- \*Vrantsidis, T. & **Lombrozo**, T. (2022). Simplicity as a cue to probability: multiple roles for simplicity in evaluating explanations. *Cognitive Science*, 46(7), e13169. doi: 10.1111/cogs.13169
- Brockbank, E., **Lombrozo**, T., Gopnik, A., & Walker, C. M. (2022). Ask me why don’t tell me why: Asking children for explanations facilitates relational thinking. *Developmental Science*, 26(1), e13274. doi: 10.1111/desc.13274
- \*Davoodi, T., & **Lombrozo**, T. (2022). Varieties of ignorance: Mystery and the unknown in science and religion. *Cognitive Science*, 46(4), e13129. doi: 10.1111/cogs.13129
- \*Oktar, K. & **Lombrozo**, T. (2022). Deciding to be authentic: Intuition is favored over deliberation when authenticity matters. *Cognition*, 223, 105021. doi: 10.1016/j.cognition.2022.105021
- \*Vasil, N., \*Ruggeri, A. & **Lombrozo**, T. (2022). When and how children use explanations to guide generalizations. *Cognitive Development*, 61, 101144. doi: 10.1016/j.cogdev.2021.101144
- \*Liquin, E. & **Lombrozo**, T. (2022). Motivated to learn: An account of explanatory satisfaction. *Cognitive Psychology*, 132, 101453. doi: 10.1016/j.cogpsych.2021.101453
- \*Davoodi, T. & **Lombrozo**, T. (2022). Explaining the existential: Scientific and religious explanations play different functional roles. *Journal of Experimental Psychology: General*, 151(5), 1199-1218. doi: 10.1037/xge0001129
- \*Blanchard, T., \*Murray, D., & **Lombrozo**, T. (2022). Experiments on causal exclusion. *Mind & Language*, 37(5), 1067-1089. doi: 10.1111/mila.12343
- \*Dubey, R., \*Mehta, H., & **Lombrozo**, T. (2021). Curiosity is contagious: A social influence intervention to induce curiosity. *Cognitive Science*, 45(2), e12937. doi: 10.1111/cogs.12937
- \*Cusimano, C. & Lombrozo, T. (2021). Reconciling scientific and commonsense values to improve reasoning. *Trends in Cognitive Sciences*, 25(11), 937-949. doi: 10.1016/j.tics.2021.06.004
- \*Cusimano, C. & **Lombrozo**, T. (2021). Morality justifies motivated reasoning in the folk ethics of belief. *Cognition*, 209, 104513. doi: 10.1016/j.cognition.2020.104513

- \*Ruggeri, A., \*Walker, C., **Lombrozo**, T., & Gopnik, A. (2021). How to help young children ask better questions. *Frontiers in Psychology*, *11*, 2908. doi: 10.3389/fpsyg.2020.586819
- Gruber, J., Mendle, J., Lindquist, K. A., Schmader, T., Clark, L. A., Bliss-Moreau, E., Akinola, M....**Lombrozo**, T.....Williams, L.A. (2021). The Future of Women in Psychological Science. *Perspectives on Psychological Science*, *16*(3), 483-516. doi: 10.1177/1745691620952789
- \*Liquin, E., \*Metz, S.E., & **Lombrozo**, T. (2020). Science demands explanation, religion tolerates mystery. *Cognition*, *204*, 104398. doi: 10.1016/j.cobeha.2020.05.012
- \*Vasilyeva N. & **Lombrozo**, T. (2020). Structural thinking about social categories: Evidence from formal explanations, generics, and generalization. *Cognition*, *204*, 104383. doi: 10.1016/j.cognition.2020.104383
- \*Liquin, E. & **Lombrozo**, T. (2020). Explanation-seeking curiosity in childhood. *Current Opinion in Behavioral Sciences*, *35*, 14-20.
- \*Goddu, M., **Lombrozo**, T., & Gopnik, A. (2020). Transformations and transfer: Preschool children understand abstract relations and reason analogically in a causal task. *Child Development*, *91*(6), 1898-1915. doi: 10.1111/cdev.13412
- \*Aronowitz, S. & **Lombrozo**, T. (2020). Experiential explanation. *Topics in Cognitive Science*, *12*(4), 1321-1336. doi: 10.1111/tops.12445
- \*Liquin, E. & **Lombrozo**, T. (2020). A functional approach to explanation-seeking curiosity. *Cognitive Psychology*, *119*, 101276. doi: 10.1016/j.cogpsych.2020.101276
- \*Aronowitz, S. & **Lombrozo**, T. (2020). Learning through simulation. *Philosophers' Imprint*, *20*(1), 1-18.
- \*Plunkett, D., Buchak, L., & **Lombrozo**, T. (2020). When and why people think of belief are 'debunked' by scientific explanations of their origins. *Mind & Language*, *35*(1), 3-28. doi: 10.1111/mila.12238
- \*Ruggeri, A., Xu, F., & **Lombrozo**, T. (2019). Effects of explanation on children's question asking. *Cognition*, *191*, 21-38. doi: 10.1016/j.cognition.2019.05.003
- \*Edwards, B.J., \*Williams, J.J., Genter, D. & **Lombrozo**, T. (2019). Explanation recruits comparison in a category-learning task. *Cognition*, *185*, 21-38. doi: 10.1016/j.cognition.2018.12.011
- \*Wilkenfeld, D.A., & **Lombrozo**, T. (2018). Explanation classification depends on understanding: extending the epistemic side-effect effect. *Synthese*, *197*, 2565-2692. doi: 10.1007/s11229-018-1835-3
- \*Vasilyeva, N.Y., Gopnik, A., & **Lombrozo**, T. (2018). The Development of Structural Thinking about Social Categories. *Developmental Psychology*, *54*(9), 1735-1744. doi: 10.1037/dev0000555
- \*Liquin, E., & **Lombrozo**, T. (2018). Structure-function fit underlies the evaluation of teleological explanations. *Cognitive Psychology*, *107*, 22-43. doi: 10.1016/j.cogpsych.2018.09.001
- \*Gottlieb, S., Keltner, D., **Lombrozo**, T. (2018). Awe as a scientific emotion. *Cognitive Science*, *42*(6), 2081-2094. doi: 10.1111/cogs.12648
- \*Vasilyeva, N., \*Blanchard, T., & **Lombrozo**, T. (2018). Stable causal relationships are better causal relationships. *Cognitive Science*, *42*(4), 1265-1296. doi: 10.1111/cogs.12605
- \*Blanchard, T., **Lombrozo**, T., & Nichols, S. (2018). Bayesian Occam's razor is a razor of the people. *Cognitive Science*, *42*(4), 1345-1359. doi: 10.1111/cogs.12573

- \*Blanchard, T., \*Vasilyeva, N., & **Lombrozo**, T. (2018). Stability, breadth, and guidance. *Philosophical Studies*, 175(9), 2263-2283. doi: 10.1007/s11098-017-0958-6
- \*Giffin, C. & **Lombrozo**, T. (2018). An actor's knowledge and intent are more important in evaluating moral transgressions than conventional transgressions. *Cognitive Science*, 42(S1), 105-133. doi: 10.1111/cogs.12504
- Lombrozo**, T., \*Bonawitz, L.B., & \*Scalise, N.R. (2018). Young children's learning and generalization of teleological and mechanistic explanations. *Journal of Cognition and Development*, 19(2): 220-232. doi: 10.1080/15248372.2018.1427099
- \*Wilkenfeld, D., \*Plunkett, D., & **Lombrozo**, T. (2018). Folk attributions of understanding: Is there a role for epistemic luck? *Episteme*, 15(1), 24-49. doi: 10.1017/epi.2016.38
- \*Gottlieb, S., **Lombrozo**, T. (2018). Can science explain the human mind? Intuitive judgments about the limits of science. *Psychological Science*, 29(1), 121-130. doi: 10.1177/0956797617722609
- \*Pacer, M. & **Lombrozo**, T. (2017). Ockham's razor cuts to the root: simplicity in causal explanation. *Journal of Experimental Psychology: General*, 146(12), 1761-1780. doi: 10.1037/xge0000318
- \*Vasilyeva, N., \*Wilkenfeld, D., & **Lombrozo**, T. (2017). Contextual utility affects the perceived quality of explanations. *Psychonomic Bulletin & Review*, 24(5), 1436-1450. doi: 10.3758/s13423-017-1275-y
- \*Walker, C., \*Bonawitz, E., & **Lombrozo**, T. (2017). Effects of explaining on young children's preference for simpler hypotheses. *Psychonomic Bulletin & Review*, 24(5), 1538-1547. doi: 10.3758/s13423-016-1144-0
- \*Giffin, C., \*Wilkenfeld, D.A., & **Lombrozo**, T. (2017). The Explanatory Effect of a Label: Explanations with named categories are more satisfying. *Cognition*, 168, 357-369. doi: 10.1016/j.cognition.2017.07.011
- \*Walker, C. & **Lombrozo**, T. (2017). Explaining the moral of the story. *Cognition*, 167, 266-281. doi: 10.1016/j.cognition.2016.11.007
- \*Walker, C., \*Williams, J.J., \*Rafferty, A., **Lombrozo**, T., & Gopnik, A. (2017). Explaining constrains causal learning in childhood. *Child Development*, 88(1), 229-246. doi: 10.1111/cdev.12590
- \*Murray, D. & **Lombrozo**, T. (2017). Effects of manipulation on attributions of causation, free will, and moral responsibility. *Cognitive Science*, 41(2), 447-481. Doi: 10.1111/cogs.12338
- \*Ruggeri, A., **Lombrozo**, T., Griffiths, T.L., & Xi, F. (2016). Sources of developmental change in the efficiency of information search. *Developmental Psychology*, 52(12), 2159-2173. doi: 10.1037/dev0000240
- \*Giffin, C. & **Lombrozo**, T. (2016). Wrong or merely prohibited: Special treatment of strict liability crimes in intuitive moral judgment. *Law and Human Behavior*, 40(6), 707-720. doi: 10.1037/lhb0000212
- Lombrozo**, T. (2016). Explanatory preferences shape learning and inference. *Trends in Cognitive Sciences*, 20(10), 748-759. doi: 10.1016/j.tics.2016.08.001
- \*Wilkenfeld, D., \*Plunkett, D. & **Lombrozo**, T. (2016). Depth and deference: when and why we attribute understanding. *Philosophical Studies*, 173(2), 373-393. Doi: 10.1007/s11098-015-0497-y



- \*Wilkenfeld, D. & **Lombrozo**, T. (2015). Inference to the best explanation (IBE) vs. Explaining for the best inference (EBI). *Science and Education*, 24(9), 1059-1077. Doi: 10.1007/s11191-015-9784-4
- \*Ruggeri, A. & **Lombrozo**, T. (2015). Children adapt their questions to achieve efficient search. *Cognition*, 143, 203-216. Doi:10.1016/j.cognition.2015.07.004
- Lombrozo**, T. & \*Gwynne, N.Z. (2014). Explanation and inference: Mechanistic and functional explanations guide property generalization. *Frontiers in Human Neuroscience*, 8, Article 700. doi:10.3389/fnhum.2014.00700
- \*Walker, C., **Lombrozo**, T., Gopnik, A., & Legare, C. (2014). Explaining prompts children to privilege inductively rich properties. *Cognition*, 133(2), 343-357. doi:10.1016/j.cognition.2014.07.008
- Legare, C. & **Lombrozo**, T. (2014). Selective effects of explanation on learning during early childhood. *Journal of Experimental Child Psychology*, 126, 198-212. doi:10.1016/j.jecp.2014.03.001
- Harvey, A. G., Soehner, A., **Lombrozo**, T., Bélanger, L., Rifkin, J., & Morin, C. M. (2013). ‘Folk theories’ about the causes and treatment of insomnia. *Cognitive Therapy and Research*, 37(5), 1048-1057. Doi: 10.1007/s10608-013-9543-2
- \*Williams, J. J., **Lombrozo**, T., & Rehder, B. (2013). The hazards of explanation: overgeneralization in the face of exceptions. *Journal of Experimental Psychology: General*, 142(4), 1006-1014. doi: 10.1037/a0030996
- \*Williams, J. J., & **Lombrozo**, T. (2013). Explanation and prior knowledge interact to guide learning. *Cognitive Psychology*, 66(1), 55–84. doi: 10.1016/j.cogpsych.2012.09.002
- Lombrozo**, T., & Rehder, B. (2012). Functions in biological kind classification. *Cognitive Psychology*, 65(4), 457-485. doi: 10.1016/j.cogpsych.2012.06.002
- \*Bonawitz, E.B., & **Lombrozo**, T. (2012). Occam’s rattle: children’s use of simplicity and probability to constrain inference. *Developmental Psychology*, 48(4), 1156-1164. doi: 10.1037/a0026471
- \*Genone, J., & **Lombrozo**, T. (2012). Concept possession, experimental semantics, and hybrid theories of reference. *Philosophical Psychology*, 25(5), 717-742. doi: 10.1080/09515089.2011.627538
- Lombrozo**, T. (2011). The instrumental value of explanations. *Philosophy Compass*, 6(8), 539-551. doi: 10.1111/j.1747-9991.2011.00413.x
- Lombrozo**, T. (2010). Causal-explanatory pluralism: how intentions, functions, and mechanisms influence causal ascriptions. *Cognitive Psychology*, 61(4), 303-332. doi: 10.1016/j.cogpsych.2010.05.002
- \*Williams, J.J., & **Lombrozo**, T. (2010). The role of explanation in discovery and generalization: evidence from category learning. *Cognitive Science*, 34(5), 776-806. doi: 10.1111/j.1551-6709.2010.01113.x
- \*Uttich, K., & **Lombrozo**, T. (2010). Norms inform mental state ascriptions: a rational explanation for the side-effect effect. *Cognition*, 116(1), 87-100. doi: 10.1016/j.cognition.2010.04.003 [Paper selected for *Science* Editor’s Choice in psychology: *Science*, 328, 1455-1456.]
- Lombrozo**, T. (2009). The role of moral commitments in moral judgment. *Cognitive Science*, 33(2), 273-286. doi: 10.1111/j.1551-6709.2009.01013.x
- Lombrozo**, T. (2009). Explanation and categorization: how “why?” informs “what?” *Cognition*, 110(2), 248-253. doi: 10.1016/j.cognition.2008.10.007

- Lombrozo, T., Thanukos, A., & Weisberg, M. (2008).** The importance of understanding the nature of science for accepting evolution. *Evolution: Education and Outreach*, 1(3), 290-298. doi: 10.1007/s12052-008-0061-8
- Lombrozo, T. (2007).** Simplicity and probability in causal explanation. *Cognitive Psychology*, 55(3), 232-257. doi: 10.1016/j.cogpsych.2006.09.006
- Lombrozo, T., Kelemen, D., Zaitchik, D. (2007).** Inferring design: evidence of a preference for teleological explanations in patients with Alzheimer's Disease. *Psychological Science*, 18(11), 999-1006. doi: 10.1111/j.1467-9280.2007.02015.x
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### **Selected manuscripts under review or in revision**

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### **Selected writing for a general audience**

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- Lombrozo, T.** (2021). Existential comfort without God. *Nautilus*. Retrieved from <https://new.nautil.us/existential-comfort-without-god-12154/>.
- Lombrozo, T.** (2019). Human exceptionalism stifles progress. *Nautilus*. Retrieved from <http://nautil.us/issue/72/quandary/human-exceptionalism-stifles-progress>.
- Lombrozo, T.** (2019). How will advances in mental prosthetics that connect us with other human and machine minds change the way we think about expertise? In J. Brockman (Ed.), *The Last Unknowns*, New York, NY: Harper Perennial.
- Lombrozo, T.** (2017). The broadening scope of science. In J. Brockman (Ed.), *Know This*, New York, NY: Harper Perennial.
- Lombrozo, T.** (2015). Don't be a chauvinist about thinking. In J. Brockman (Ed.), *What to Think About Machines That Think*, New York, NY: Harper Perennial.
- Lombrozo, T.** (2014). Women, power, and prestige. *Chronicle of Higher Education*, November 7.
- Lombrozo, T.** (2014). Illusions of understanding and the loss of intellectual humility. In J. Brockman (Ed.), *What Should We Be Worried About?* New York, NY: Harper Perennial.
- Lombrozo, T.** (2013). Review: Evolution Challenges - Integrating Research and Practice in Teaching and Learning about Evolution. *Reports of the National Center for Science Education*, 33, 5.
- Lombrozo, T.** (2013). Can Science Deliver the Benefits of Religion? *Boston Review*. Retrieved from <http://www.bostonreview.net/arts-culture/can-science-deliver-benefits-religion>.
- Lombrozo, T.** (2013). Realism and other metaphysical half-truths. In J. Brockman (Ed.), *This Explains Everything*. New York, NY: Harper Perennial.
- Lombrozo, T.** (2012). Defeasibility. In J. Brockman (Ed.), *This Will Make You Smarter* (pp. 336-337). New York, NY: Harper Perennial.
- Lombrozo, T.** (2009). Should teachers try to get students to *understand* or *accept* evolution? *Science & Religion Today*. Retrieved from <http://www.scienceandreligiontoday.com>

## Science blogging

Periodic blogger, *Psychology Today* blog titled “Explananda: Human Curiosity and its Consequences,” <http://www.psychologytoday.com/blog/explananda>, January 2012 – March 2013 (14 posts)

Weekly blogger, NPR blog titled “13.7: Cosmos & Culture,” <http://www.npr.org/blogs/13.7/>, October 2012 – April 2018. (>200 posts)

## PRESENTATIONS

### Invited Colloquium Talks and Invited Conference Presentations

Representation in Religion Workshop, keynote speaker, “Varieties of belief,” Oxford, UK, July, 2024.

Cornell University, Invited instructor for NEH-funded Summer Institute in Moral Psychology, Virtual lectures on “The ethics of belief,” “How moral psychology changes controversial beliefs,” and “The art of defensive designing,” Ithaca, NY, June, 2024.

Humility in Inquiry Workshop, Invited speaker, “Intellectual humility and probabilistic belief,” San Diego, CA, June, 2024.

University of Oslo, Invited speaker for GoodAttention Project speaker series, “Explanation: The good, the bad, and the beautiful,” Virtual talk, May, 2024.

New York University, Invited speaker for economics workshop on causal models, “Learning by thinking,” New York, NY, May, 2024.

Yale University, Invited speaker for workshop on transformative experience, “Epistemic and personal dimensions of belief,” New Haven, CT, April, 2024.

Conference on Causal Learning and Reasoning, Keynote speaker for 2024 meeting, “Simplicity and stability in human causal reasoning,” Los Angeles, CA, April, 2024.

University of California at San Diego, Invited speaker for Management Seminar Series, “Varieties of Belief,” San Diego, CA, April, 2024.

University of Waterloo, Invited speaker for psychology department’s Distinguished Departmental Colloquium series, “Varieties of Belief,” Waterloo, Canada, March, 2024.

University of Maryland at College Park, Invited speaker for Cognitive Science Colloquium, “Believing beyond the evidence,” College Park, MD, February, 2024.

Society for Judgment and Decision Making, Keynote speaker for 2023 annual meeting, “Believing beyond the evidence,” San Francisco, CA, November, 2023.

CUNY Graduate Center, Invited speaker for philosophy colloquium, “A functional approach to explaining explanation,” New York, NY, October, 2023.

Hope College, Invited speaker for Applied Research on Intellectual Humility Launch Conference, “Promoting Intellectual Humility about Politics through Probabilistic Thinking,” Holland, MI, September, 2023.

New Bulgarian University, Center for Cognitive Science, Invited speaker for International Summer School in Cognitive Science, “Explaining explanation,” virtual event, July 2023.

Rutgers University, Invited speaker for workshop on Understanding Mathematical Explanation, “A functional approach to (causal) explanations,” New Brunswick, NJ, May, 2023.

Columbia University, Invited speaker for workshop on Exploring Origins and Impacts of Beliefs about Genetic Causation, “The human drive to explain: Lessons from developmental and cognitive psychology,” virtual event, May 2023.

Cornell University, invited speaker for Department of Psychology Colloquium, “A functional approach to explaining explanation,” Ithaca, NY, May 2023.

Harvard University, invited speaker for Seminar in Behavioral & Experimental Economics, “Explaining explanation,” Cambridge, MA, April 2023.

Moral Psychology Research Group (MPRG) Online Gathering, keynote speaker, “Evidence for two varieties of believing,” March 2023.

Barnard College, Cognitive Science Lunch-and-Lecture Series, “The cognitive science of belief: Believing beyond the evidence,” New York, NY, March 2023.

Geography of Philosophy (GPP) Workshop, keynote speaker, “The folk ethics of belief,” University of Pittsburgh, Pittsburgh, PA, October 2022.

Carnegie Mellon University, invited speaker for Center for Behavioral and Decision Research (CBDR) seminar, “Believing beyond the evidence,” Pittsburgh, PA, October 2022.

Formal Epistemology and Experimental Philosophy (FAX) Workshop, keynote speaker (with David Kinney), “Building compressed causal models of the world,” University of Pittsburgh, Pittsburgh, PA, October 2022.

Villanova University, Department of Psychological and Brain Sciences Colloquium Series, “Believing beyond the evidence,” September, 2022.

Human-Centered Explainable AI (HCXAI) ACM CHI Workshop, keynote speaker, virtual event, May 2022.

Johns Hopkins University, invited speaker for Psychological and Brain Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event December, 2021.

University of Calgary, invited speaker for Philosophy Colloquium Series, “Intuitive theories of belief,” virtual event December, 2021.

York University, invited speaker for Cognitive Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event September, 2021.

Some opportunities and challenges,” virtual event July, 2021.

SciPEP (Science Public Engagement Partnership), Keynote Speaker for *Communicating the Future: Engaging the Public in Basic Science*, “Stimulating curiosity about science: Society for Philosophy and Psychology, Presidential Address, “Ideal Believers,” virtual event July, 2021.

International Conference on Thinking, Keynote Speaker, “What you should believe about belief: going beyond the evidence,” virtual event June, 2021.

The John Templeton Foundation, invited speaker for Templeton Speaker Series, “Explanation and Ignorance in Science and Religion,” virtual event June, 2021.

MIT, invited speaker for Brain and Cognitive Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event April, 2021.

University of Aberdeen, invited speaker for School of Psychology Seminar Series, “Explanation: the good, the bad, and the beautiful,” virtual event March, 2021.

Faculty Roundtables on Science & Religion, invites speaker for session on “God & The Human Mind: How Do Cognitive Science and Neuroscience Interface with Religion?,” virtual event January, 2021.

University of Kansas, speaker for Mind Lecture Series (selected by graduate students in Brain, Behavior, and Quantitative Science Program, “Explanation: the good, the bad, and the beautiful,” virtual event November, 2020.

University of Pennsylvania, Wharton School of Business, invited speaker for Decision Processes Colloquium, “The (Perceived) Limits of Deliberation and Evidence,” Philadelphia, PA, March, 2020.

University of Miami, invited speaker for Cognitive Studies Colloquium, “Explanation: the good, the bad, and the beautiful,” Coral Gables, FL, February, 2020.

UCLA, Anderson School of Business, invited speaker for Behavioral Decision Making Seminar, “The (Perceived) Limits of Deliberation and Evidence,” Los Angeles, CA, January, 2020.

Seton Hall University, invited speaker for yearly Philosophy Speaks series, “Explanation: the good, the bad, and the beautiful,” South Orange, NJ, October, 2019.

Florida State University, invited speaker for Experimental Philosophy Conference, “Folk epistemic commitments: Science & Religion,” Tallahassee, FL, October, 2019.

University of Colorado, Boulder, invited speaker for Institute of Cognitive Science colloquium series, “Explanation: the good, the bad, and the beautiful,” Boulder, CO, September, 2019.

Psychology and Economics of Causal Reasoning Conference, invited speaker, “Preferences for Simple and Broad Explanations Can Shape Causal Learning,” University College London, September, 2019.

Society for Philosophy and Psychology Pre-Conference Workshop on Philosophy and Psychology of Science, San Diego, CA, invited speaker, “Experiential explanation,” July 2019.

Radcliffe Exploratory Seminar on Conceptions of Knowledge and Belief in Religion and Science, Cambridge, MA, invited speaker, “Explanation and mystery in science and religion,” May, 2019.

Northeastern University, Boston, MA, Formal and Experimental (FAX) Workshop, invited speaker, “Explaining for the best inference,” April, 2019.

Dartmouth College, Hanover, NH, Cognitive Science Colloquium, invited speaker, “Explanation: the good, the bad, and the beautiful,” April, 2019.

Yale University, New Haven, CT, Mutual Understanding Workshop, invited speaker, “Distinct forms of explanatory understanding support abstraction and mental simulation,” March, 2019.

Radcliffe Exploratory Seminar on Possibilities, Cambridge, MA, invited speaker, “Discussion of work on possibilities in causation and explanation,” January, 2019.

Rutgers University, Newark, NJ, Psychology Department Colloquium Series, “Explanation and the Process of Inquiry,” January, 2019.

Yale University, New Haven, CT, Developmental Current Works Seminar, “How children learn by seeking explanations of the world around them,” December, 2018.

New York University, New York, NY, ConCats Seminar Series, “Explanation, causation, and stability,” November, 2018.

Harvard University, Cambridge, MA, Causality Conference, “Making causal claims: some cautionary notes from psychology,” November, 2018.

Lehigh University, Bethlehem, PA, Psychology, Cognitive Science, and Philosophy Colloquium, “Explanation: the good, the bad, and the beautiful,” September 2018.

Middlebury University, Middlebury, VT, keynote speaker for “Explanation across the Disciplines” workshop sponsored by the Alliance to Advance Liberal Arts Colleges, “Explanation: A functional approach,” September, 2018.

Rutgers University, New Brunswick, NJ, invited speaker for Conference in Honor of Alvin Goldman, “Explaining for the best inference,” February, 2018.

Radcliffe Exploratory Seminar on Causal Pluralism, Cambridge, MA, invited speaker, “The cognitive science of casual explanation,” January, 2018.

University of Buffalo, Buffalo, NY, keynote speaker for Buffalo Experimental Philosophy conference, “The intuitive power and limits of scientific explanations,” August, 2017.

George Washington University, Washington, D.C., Mind-Brain Institute Talk, “Explanation: the good, the bad, and the beautiful,” March 2017.

San Francisco, CA, Learning & the Brain conference, invited speaker, “Learning By Thinking, Questioning and Explaining,” February 2017.

University of Pennsylvania, Philadelphia, PA, Institute for Mind-Brain Seminar Series, “Explaining for the best inference,” February 2017.

Indiana University, Bloomington, Cognitive Science Colloquium, “Explanation: the good, the bad, and the beautiful,” October 2016.

Toronto, Ontario, Canada, keynote speaker for International Mind, Brain, and Education Society, “Explanation: the good, the bad, and the beautiful,” September 2016.

Carnegie Mellon University, Pittsburgh, PA, Psychology & Philosophy Colloquium, “Explanation: the good, the bad, and the beautiful,” April 2016.

Princeton University, Princeton, NJ, Cognitive Science Colloquium, “Learning by thinking,” April 2016.

University of Oregon, Eugene, Psychology Colloquium, “Explanation: the good, the bad, and the beautiful,” April 2016.

Sonoma State University, Rohnert Park, CA, Ethics, Law and Society Forum, “The Significance of a Guilty Mind,” October 2015.

Georgia State University, Atlanta Georgia, Neurophilosophy Forum, “Explanation: the good, the bad, and the beautiful,” October 2015.

University of Arizona, Tucson, Arizona, Cognitive Science Colloquium speaker as Roger N. Shepard Distinguished Visiting Scholar, “Explanation: the good, the bad, and the beautiful,” October 2015.

Duke University, Durham, North Carolina, invited speaker for Philosophy Colloquium, “Explanation: the good, the bad, and the beautiful,” September 2015.

University of Michigan, Ann Arbor. (May, 2015). Learning by explaining in the moral domain. Invited talk presented at a workshop on Moral Learning, Ann Arbor, MI.

University of California, Berkeley, California, invited speaker for California Cognitive Science Conference, “Three Mysteries of Explanation,” May 2015.

Princeton University, Princeton, New Jersey, invited speaker for Cognitive Science Colloquium, “Explanation: the good, the bad, and the beautiful,” April 2015.

University of Texas at Austin, Austin, Texas, invited speaker for Breaking New Ground in the Science-Religion Dialogue Workshop, “Scientific explanations for the mind and religious belief,” April 2015.

University of Waterloo, Waterloo, Canada, invited speaker for join philosophy/psychology colloquium, “Explanation: the good, the bad, and the beautiful,” January 2015.

Psychonomic Society Annual Meeting, Long Beach, CA, invited speaker for a panel on grant writing organized by Women in Cognitive Science, November 2014.

University of Utah, Salt Lake City, UT, keynote speaker for Inductive Logic and Confirmation in Science conference, “Explanation: the good, the bad, and the beautiful,” October 2014.

University of Pennsylvania, Philadelphia, PA, invited speaker for Institute for Research in Cognitive Science Colloquium Series, “Explanation: the good, the bad, and the beautiful,” November 2013.

University of Maryland, College Park, MD, invited speaker for Cognitive Science Colloquium Series, “Explanation: the good, the bad, and the beautiful,” October 2013.

Brown University, Providence, RI, invited speaker for Michael S. Goodman Memorial Lecture, Cognitive, Linguistics, and Psychological Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” October 2013.

University of Wisconsin-Madison, Madison, WI, invited speaker for Psychology Colloquium Series, “Explanation: the good, the bad, and the beautiful,” September 2013.

University of Pittsburgh, Pittsburgh, PA, invited speaker for Psychology Colloquium Series, "Explanation: the good, the bad, and the beautiful," February 2013.

University of Pittsburgh, Pittsburgh, PA, invited speaker for special Psi Chi Colloquium, "Adventures in philosophical psychology," February 2013.

Stanford University, Stanford, CA, Symbolic Systems Forum, "Philosophy of science meets cognitive psychology," October 2012.

University of Arizona, Tucson, AZ, NEH-sponsored Summer Institute on Experimental Philosophy, "Research methods and design" & "Causal explanation," July 2012.

University of Chicago, invited speaker in Center For Decision Research Colloquium, Booth School of Business, "Explanation: the good, the bad, and the beautiful," June 2012.

Northwestern University, invited speaker in Psychology Department Colloquium Series, "Explanation: the good, the bad, and the beautiful," May 2012.

Stanford University, invited speaker in Logic and Methodology Workshop, "The philosophy and psychology of explanation," May 2011.

UC San Diego, La Jolla, CA, Psychology Department Colloquium, "Understanding why: the cognitive science of explanation," April 2011.

UC Berkeley, Berkeley, CA, Institute for Personality and Social Psychology Colloquium, "Causation and intentions: two projects in social cognition," March 2011.

Stanford University, Stanford, CA, Psychology Department Colloquium, "Understanding why: the cognitive science of explanation." September 2010.

Annual Meeting of Cognitive Science Society, Portland, OR, invited presentation for symposium on abduction, "Abductive inference in cognition: new developments and open questions," August 2010.

Society for Philosophy and Psychology Annual Meeting, Stanton Award Lecture, "Explaining explanation," June 2010.

Yale University, New Haven, CT, Developmental Lunch Colloquium, "The cognitive consequences of explanation," April 2010.

Princeton University, Princeton, NJ, Cognitive Area Colloquium, "Causal and explanatory pluralism," March 2010.

UC Berkeley, Berkeley, CA, Graduate School of Education's Cognition and Development Lecture Series, "The role of explanation in learning and discovery," March 2010.

Arizona State University, Tempe, Philosophy Department Colloquium, "The functions of explanation," February 2010.

University of Pennsylvania, Philadelphia, Philosophers' Lunch, "Causal-explanatory pluralism: evidence from psychology," January 2010.

University of Utah, Salt Lake City, UT, NEH-sponsored Summer Institute on Experimental Philosophy, "Research methods and design" & "Causation," July 2009.

University of Arizona, Tucson, Cognitive Science Colloquium, "Causal and explanatory pluralism," April 2009.

University of Texas, Austin, Cognitive Colloquium, "Causal and explanatory pluralism," March 2009.

UC Merced, Cognitive Science Speaker Series, "Causal and explanatory pluralism," February 2009.

UC Santa Cruz, Cognitive Area Colloquium, "Causal and explanatory pluralism," February 2009.

UC Berkeley, Townsend working group in neuroscience and philosophy, January 2009.

Society for Philosophy and Psychology pre-conference workshop on Experimental Philosophy, “Experimental methods for thought experiments,” Philadelphia, PA, June 2008.

Formal Epistemology Workshop (philosophy conference), Madison, WI, invited tutorials, “Explaining explanation” & “Intuitions about causation,” May 2008.

Stanford University, Symbolic Systems Forum, “Explaining explanation: Why we answer “why?” the way we do,” May 2008.

UC Berkeley, Institute for Cognitive and Brain Sciences, Faculty Retreat, April 2008.

UC Berkeley, History and Philosophy of Logic, Mathematics, and Science Colloquium. April 2007.

UC Berkeley, Cognition, Brain, and Behavior Colloquium, January 2007.

UC Berkeley, Institute for Cognitive and Brain Sciences, Faculty Retreat, December 2006.

UC Berkeley, Townsend Working Group in Philosophy of Mind, November 2006.

Stanford University, Department of Psychology, Friday Cognitive Seminar, October 2006.

Wellesley College, Department of Philosophy and Undergraduate Philosophy Club, April 2006.

University of Pennsylvania, Museum of Anthropology, Workshop on Evolution and Intelligent Design, November 2005.

University of Pennsylvania, Institute for Research in Cognitive Science, October 2005.

MIT, Brain and Cognitive Sciences, January 2005.

UC Berkeley, Department of Psychology, January 2005.

Invited talks in 2020 cancelled or postponed (and not yet rescheduled) due to the COVID-19 pandemic: Keynote speaker for the International Conference on Machine Learning (ICML 2020), Colloquium at Northeastern.

### **Selected Conference Presentations**

Lombrozo, T. (May, 2023). A functional approach to explaining explanation, talk presented at the *Annual Meeting of the Society of Experimental Psychologists*, Philadelphia, PA.

Lombrozo, T. (July, 2022). Psychological Foundations of Human Explanations. Presented as tutorial for annual meeting of North American Chapter of the Association for Computational Linguistics (NAACL).

Lombrozo, T. (July, 2019). Explanatory virtues and vices, talk presented at a symposium on XAI at the *Annual Meeting of the Cognitive Science Society*, Montreal, Canada.

Lombrozo, T. (March, 2018). The Enigma of Reasoning: Commentary, talk presented at book symposium, annual meeting of the *American Philosophical Association, Pacific Division*, San Diego, CA.

Lombrozo, T. (December, 2016). Explaining for the best inference, talk presented at the *Arizona State University Experimental Philosophy Conference*, Sedona, AZ.

Lombrozo, T. (August, 2016). Explaining for the best inference, talk presented at the *International Conference on Thinking (ICT)*, Providence, RI.

Lombrozo, T. (August, 2016). The significance of a guilty mind, talk presented at the *International Conference on Thinking (ICT)*, Providence, RI.

Lombrozo, T. (April, 2016). Learning isn’t just about getting the right information, talk presented at the *Misconceptions of the Mind Conference (MoMiCon)*, Berkeley, CA.



- Vasilyeva, N., Wilkenfeld, D. & Lombrozo, T. (November, 2015). Different kinds of explanations in context. Invited symposium presentation at the annual meeting of the *Psychonomic Society*, Chicago, IL.
- Lombrozo, T. (November, 2015). Learning by explaining. Invited talk presented at Psychonomic Society Leading Edge workshop on *The Process of Explanation*, Champaign, IL.
- Walker, C., Lombrozo, T., & Gopnik, A. (March, 2015). Achieving abstraction through explanation. Talk presented at the annual meeting of the *Society for Research in Child Development*, Philadelphia, CA.
- Gottlieb, S. & Lombrozo, T. (February, 2015). Distinct components of mind-body dualist attitudes predict bioethical judgments. Poster presented at *Society for Personality and Social Psychology Conference*, Long Beach, CA.
- Giffin, C. & Lombrozo, T. (February, 2015). Wrong or Merely Prohibited: Special Treatment of Strict Liability Crimes in Folk Judgments. Poster presented at *Society for Personality and Social Psychology Conference*, Long Beach, CA.
- Plunkett, D., Lombrozo, T., & Buchak, L. (2014, July). *Because the brain agrees: The impact of neuroscientific explanations for belief*. Talk presented at the Annual Conference of the Cognitive Science Society, Quebec, Canada.
- Ruggeri, A. & Lombrozo, T. (2014, July). *Learning by asking: How children ask questions to achieve efficient search*. Talk presented at the Annual Conference of the Cognitive Science Society, Quebec, Canada.
- Edwards, B.J., Williams, J.J., Gentner, D., & Lombrozo, T. (2014, July). *Effects of comparison and explanation on analogical transfer*. Talk presented at the Annual Conference of the Cognitive Science Society, Quebec, Canada.
- Gottlieb, S. & Lombrozo, T. (2014, June). *Dissociable components of mind-body dualist attitudes predict bioethical judgments*. Talk presented at the Annual Meeting of the Society for Philosophy and Psychology, Vancouver, Canada.
- Edwards, B.J., Williams, J.J., Gentner, D., & Lombrozo, T. (2014, June). *Effects of comparison and explanation on analogical transfer*. Talk presented at the Annual Meeting of the Society for Philosophy and Psychology, Vancouver, Canada.
- Lombrozo, T. (2014, April). Explanation: The good, the bad, and the beautiful. Talk presented at the Annual Conference of the Society of Experimental Psychologists, Los Angeles, CA.
- Gottlieb, S. & Lombrozo, T. (2014, February). *Dissociable components of mind-body dualist attitudes predict bioethical judgments*. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Austin, TX.
- Edwards, B. J., Walker, C. M., Bonawitz, E., Lombrozo, T., & Gopnik, A. (2013, October). *The role of explanation in children's theory change: Do 6- and 7-year-olds update beliefs about balance?* Poster presented at the Biennial Meeting of the Cognitive Development Society, Memphis, TN.
- Williams, J.J., Walker, C., Maldonado, S.G., & Lombrozo, T. (2013, August). *Effects of explaining anomalies on the generation and evaluation of hypotheses*. Poster presented at the Annual Conference of the Cognitive Science Society, Berlin, Germany.
- Walker, C.M., Lombrozo, T., Legare, C.H., & Gopnik, A. (2013, August). *Explaining to others prompts children to favor inductively rich properties*. Talk presented at the Annual Conference of the Cognitive Science Society, Berlin, Germany.

- Edwards, B.J., Williams, J.J., & Lombrozo, T. (2013, August). *Effects of explanation and comparison on category learning*. Talk presented at the Annual Conference of the Cognitive Science Society, Berlin, Germany.
- Edwards, B.J., Williams, J.J., & Lombrozo, T. (2013, August). *Effects of explanation and comparison on category learning*. Poster presented at the 3<sup>rd</sup> International Conference on Analogy, Dijon, France.
- Barsbey, M., & Lombrozo, T. (2013, August). *Linguistic differences in explanation requests and their effects on the evaluation of explanations: the case of English and Turkish*. Poster presented at the annual meeting of the Cognitive Science Society, Berlin, Germany.
- Lombrozo, T. (2013, September). *The scope of moral commitments*. Talk presented in symposium at the meeting of the Society for Experimental Social Psychology, Berkeley, CA.
- Pacer, M., Williams, J.J., Xi, C., Lombrozo, T., & Griffiths, T.L. (2013, July). *Evaluating computational models of explanation using human judgments*. Twenty-Ninth Conference on Uncertainty in Artificial Intelligence, Bellevue, Washington.
- Pacer, M. & Lombrozo, T. (2012, August). *How simple explanations change our minds and why we prefer them*. Poster presented at the Annual Conference of the Cognitive Science Society, Sapporo, Japan.
- Walker, C., Williams, J.J., Lombrozo, T., & Gopnik, A. (2012, August). *Explaining impacts children's reliance on evidence and prior knowledge in causal induction*. Talk presented at the Annual Conference of the Cognitive Science Society, Sapporo, Japan.
- Williams, J.J., Walker, C. & Lombrozo, T. (2012, August). *Explaining increases belief revision in the face of (many) anomalies*. Talk presented at the Annual Conference of the Cognitive Science Society, Sapporo, Japan.
- Uttich, K., Tsai, G., & Lombrozo, T. (2012, May). *Social norms influence judgments of intentional action and moral character*. Talk presented at the Annual Conference of the Association for Psychological Science, Chicago, IL.
- Uttich, K., Tsai, G., & Lombrozo, T. (2012, January). *Moral progress, moral objectivity, and ethical explanations*. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Diego, CA.
- Williams, J. & Lombrozo, T. (2011, November). *Explanation drives the discovery of rules and themes in category learning*. Poster presented at the Annual Meeting of the Psychonomic Society, Seattle, WA.
- Walker, C., Williams, J., Lombrozo, T., & Gopnik, A. (2011, October). *The role of explanation in children's causal learning*. Poster presented at the Biennial Meeting of the Cognitive Development Society, Philadelphia, PA.
- Williams, J.J., Lombrozo, T., & Rehder, B. (2011, August). *Explaining drives the discovery of real and illusory patterns*. Talk presented at the Annual Conference of the Cognitive Science Society, Boston, MA.
- Uttich, K. & Lombrozo, T. (2011, August). *Norms as direct explanations of behavior*. Poster presented at the Annual Conference of the Cognitive Science Society, Boston, MA.
- Pacer, M. & Lombrozo, T. (2011, August). *What Ockham's razor cuts: quantifying simplicity in explanation choice*. Poster presented at the Annual Conference of the Cognitive Science Society, Boston, MA.
- Pacer, M. & Lombrozo, T. (2011, July). *What is Ockham's razor made of? Quantifying*

- simplicity in inference to the best explanation*. Talk presented at the Annual Meeting of the Society for Philosophy and Psychology, Montreal, Canada.
- Uttich, K., Tsai, G., & Lombrozo, T. (2011, July). *Meta-ethics, moral progress, and ethical explanations*. Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Montreal, Canada.
- Harvey, A.G., Morin, C.M., Bélanger, L., Lombrozo, T., Rifkin, J.B., Talbot, L.S., Eidelman, P., Beaulieu-Bonneau, S., Fortier-Brochu, E., & Soehner, A. (2011, June). *Patients' attributions about the causes of insomnia*. Poster presented at the Annual Meeting of the Associated Professional Sleep Societies, Minneapolis, MN.
- Williams, J.J. & Lombrozo, T. (2011, June). *A subsumptive constraints account of explanation and learning: explaining drives discovery of patterns and generalizations*. Talk presented at the Annual Meeting of the Jean Piaget Society, Berkeley, CA.
- Lombrozo, T. (2011, April). *Evidence for two concepts of causation*. Talk presented at the Pacific Meeting of the American Philosophical Association, San Diego, CA.
- Plummer, L., Legare, C.H., & Lombrozo, T. (2011, April). *Explaining explanation: the unique benefits of explanation for learning*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Legare, C.H. & Lombrozo, T. (2011, March). *Explaining explanation: the unique benefits of explanation for learning*. Talk presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Uttich, K. & Lombrozo, T. (2010, August). *Reversing the side-effect effect: the 'Rational Scientist' explanation*. Poster presented at the Annual Conference of the Cognitive Science Society, Portland, OR.
- Gwynne, N.Z. & Lombrozo, T. (2010, August). *The cultural transmission of explanations: evidence that teleological explanations are preferentially remembered*. Talk presented at the Annual Conference of the Cognitive Science Society, Portland, OR.
- Williams, J.J., Lombrozo, T., & Rehder, B. (2010, August). *Why does explaining help learning? Insight from an explanation impairment effect*. Talk presented at the Annual Conference of the Cognitive Science Society, Portland, OR.
- Williams, J.J., & Lombrozo, T. (2010, August). *Explanation constrains learning, and prior knowledge constrains explanation*. Talk presented at the Annual Conference of the Cognitive Science Society, Portland, OR.
- Lombrozo, T. (2010, August). *Causal-explanatory pluralism*. Talk presented at the Annual Summer Interdisciplinary Conference, Bend, OR.
- Legare, C. & Lombrozo, T. (2010, June). *Explanation as a guide to learning*. Poster presented at the 2010 International Conference of the Learning Sciences, Chicago, IL.
- Williams, J.J. & Lombrozo, T. (2010, June). *The role of explanation in discovery and generalization: evidence from category learning*. Poster presented at the 2010 International Conference of the Learning Sciences, Chicago, IL.
- Genone, J. & Lombrozo, T. (2010, June). *Concept attribution and conceptual structure*. Talk presented at the Annual Meeting of the Society for Philosophy and Psychology, Portland, OR.
- Uttich, K. & Lombrozo, T. (2010, June). *Reversing the side-effect effect: a rational explanation*. Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Portland, OR. [Winner of SPP poster prize.]
- Lombrozo, T. (2009, November). *Mechanistic and teleological explanations in inference*.

- Talk presented at the Annual Meeting of the Psychonomic Society, Boston, Massachusetts.
- Williams, J.J. & Lombrozo, T. (2009, August). *Explanation promotes discovery: evidence from category learning*. Talk presented at the Annual Meeting of the Cognitive Science Society, Amsterdam, Netherlands.
- Uttich, K. & Lombrozo, T. (2009, August). *Moral norms inform mental state ascriptions: an alternative explanation for the side-effect effect*. Talk presented at the Annual Meeting of the Cognitive Science Society, Amsterdam, Netherlands.
- Williams, J.J. & Lombrozo, T. (2009, June). *Explanation promotes discovery: evidence from category learning*. Poster presented at the 35<sup>th</sup> Annual meeting of the Society for Philosophy and Psychology, Bloomington, Indiana.
- Uttich, K. & Lombrozo, T. (2009, June). *Moral norms inform mental state ascriptions: an alternative explanation for the side-effect effect*. Talk presented at the Annual Meeting of the Society for Philosophy and Psychology, Bloomington, Indiana.
- Williams, J.J. & Lombrozo, T. (2009, May). *Explaining promotes discovery: evidence from category learning*. Poster presented at the Annual Meeting of the Association for Psychological Science, San Francisco, California.
- Uttich, K. & Lombrozo, T. (2009, May). *Moral norms inform mental state ascriptions*. Poster presented at the Annual Meeting of the Association for Psychological Science, San Francisco, California.
- Lombrozo, T. (2009, April). *Laws and mechanisms in the psychology of explanation*. Talk presented at the Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, Georgia.
- Lombrozo, T. (2008, August). *The effects of intentions and functions on causal judgments*. Paper presented at the Sixth International Conference on Thinking, Venice, Italy.
- Bonawitz, E.B., Chang, I.Y., Clark, C., & Lombrozo, T. (2008, August). *Ockham's razor as inductive bias in preschoolers' causal explanations*. Paper presented at the IEEE 7<sup>th</sup> International Conference on Development and Learning, Monterey, CA.
- Lombrozo, T. (2008, July). *The effects explanations and categorization on causal judgments*. Paper presented at the Annual Meeting of the Cognitive Science Society, Washington D.C.
- Lombrozo, T. (2008, June). *The role of moral theories in moral judgment*. Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Philadelphia, PA.
- Lombrozo, T. (2007, August). *The effects of mechanistic and functional explanations on categorization*. Poster presented at the Annual Meeting of the Cognitive Science Society, Nashville, TN.
- Bonawitz, L.B. & Lombrozo, T. (2007, August). *Simplicity and probability in children's causal explanations*. Poster presented at the Annual Meeting of the Cognitive Science Society, Nashville, TN.
- Lombrozo, T. (2007, June). *Mechanisms and functions: empirical evidence for distinct modes of understanding*. Paper presented at the Annual Meeting for the Society for Philosophy and Psychology, Toronto, CA.
- Lombrozo, T., Kelemen, D., & Zaitchik, D. (2006, July). *Teleological explanation in Alzheimer's disease*. Poster presented at the 28<sup>th</sup> Annual Conference of the Cognitive Science Society, Vancouver, Canada.
- Lombrozo, T. (2006, June). *Two routes to moral consideration: a psychological investigation*

- of moral intuitions*. Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Saint Louis, MI.
- Lombrozo, T. (2005, November). *Darwin and design: Do evolutionary explanations require understanding evolution?* Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Lombrozo, T. (2005, July). *Why adaptationist explanations are so seductive*. Poster presented at the Annual Conference of the Cognitive Science Society, Stresa, Italy.
- Lombrozo, T. & Rutstein, J.J. (2004, August). *Simplicity in explanation*. Poster presented at the Annual Conference of the Cognitive Science Society, Chicago, IL.
- Lombrozo, T. (2004, July). *Teleological explanation: causal constraints and regularities*. Paper presented at the first joint meeting of the Society for Philosophy and Psychology and the European Society for Philosophy and Psychology, Barcelona, Spain. [Winner of the William James Prize]
- Lombrozo, T. (2004, June). *Simplicity and probability in explanation*. Poster presented at the Annual Summer Interdisciplinary Conference, Cavalese, Italy.
- Lombrozo, T. & Carey, S. (2003, August). *Teleological explanation: why we answer “why?” the way we do*. Poster presented at the Annual Conference of the Cognitive Science Society, Boston, MA.
- Lombrozo, T., MacLeod, D.I.A. (2000, May). *Spatial integration in contrast perception is anisotropic and contrast dependent*. Paper presented at the Association for Research in Vision and Ophthalmology Annual meeting, Fort Lauderdale, FL.
- Federmeier, K.D., Segal, J.B., Lombrozo, T., and Kutas, M. (1999, April). *Electrophysiological investigations of nouns and verbs in context*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

## PROFESSIONAL ACTIVITIES

### Editorial and reviewing

- Editorial Board Member, *Biology & Philosophy*, 2017-present
- Editorial Board Member, *Open Mind*, 2016
- Editorial Board Member, *Psychological Science*, 2012-2019
- Editorial Board Member, *Cognition*, an international journal of cognitive science, 2008-present
- Editorial Board Member, *Evolution: Education and Outreach*, a journal on evolution and evolution education, 2007-2018
- Program Committee Member, Annual Conference of the Cognitive Science Society, 2006, 2007, 2008, 2009, 2010, 2019, 2020, 2023
- Guest Editor (with Edouard Machery and Joshua Knobe), two special issues of *Review of Philosophy and Psychology* on “Psychology and Experimental Philosophy,” published 2010
- Ad hoc* Journal reviewing:
- Analyses of Social Issues and Public Policy, Applied Cognitive Psychology, Artificial Intelligence, Behavioral and Brain Sciences, Child Development,*

*Cognition, Cognitive, Affective, & Behavioral Neuroscience, Cognitive Development, Cognitive Processing, Cognitive Psychology, Cognitive Research: Principles & Implications, Cognitive Science, Consciousness & Cognition, Current Biology, Current Directions in Psychological Science, Decision, Developmental Psychology, European Journal of Cognitive Psychology, Ergo, Frontiers in Psychology, Journal of Cognition and Development, Journal of Cognitive Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, & Cognition, Journal of Experimental Social Psychology, Journal of Memory and Language, Journal of Personality and Social Psychology, Journal of Philosophy, Memory & Cognition, Metacognition & Learning, Mind & Language, Nature Communications, Perspectives on Psychological Science, Philosophical Psychology, Philosophy of Science, Proceedings of the National Academy of Sciences, Psychological Bulletin, Psychological Review, Psychological Science, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Review of General Psychology, Review of Philosophy & Psychology, Science, Science & Education, Social Cognition, Thinking & Reasoning, Trends in Cognitive Sciences, WIREs Cognitive Science*

Grant panels:

NSF panel for the EHR Core Research (ECR) program, Fall 2015  
Appointed to College of Reviewers for the NSF's Perception, Action, and Cognition (PAC) program, August 2015 – August 2018  
NSF Division of Research on Learning CAREER Grants award panel, Fall 2007

*Ad hoc* reviewing for government agencies: Canada Foundation for Innovation, Israel Science Foundation, National Research Council

*Ad hoc* reviewing for funding agencies: NSF Division of Research on Learning, NSF Perception, Action, & Cognition Program, Templeton Foundation, Templeton Religion Trust, AXA Research Fund, Tryg Foundation

*Ad hoc* reviewing for conferences: Cognitive Science Society Conference, Society for Philosophy and Psychology Conference

*Ad hoc* reviewing for publishers: Continuum International Publishing Group, MIT Press, Oxford University Press, Princeton University press, Sage Publications, University of California Press, Worth Publishers

**Organizing symposia, workshops, and conferences**

Organizer, symposium titled “Causal cognition: from inference to explanation,” first joint meeting of the Society for Philosophy and Psychology and the European Society for Philosophy and Psychology, Summer 2004

Organizer (with James Genone) of conference on the philosophy and psychology of concepts, Berkeley, CA, March 14-16, 2008

Organizer, symposium titled “Understanding why: the cognitive science of explanation,” 30<sup>th</sup> Annual meeting of the Cognitive Science Society, Washington DC, July, 2008

Organizer, symposium for Darwin Bicentenary, “Darwin in Mind: evolution in the Cognitive Sciences,” UC Berkeley, Berkeley, CA, February 6, 2009.

Program Chair (with Tony Chemero), Annual Meeting of the Society for Philosophy and Psychology, Bloomington, IN, June 12-14, 2009.

Organizer, McDonnell Collaborative on Causation workshop on “Mechanisms and explanation,” Berkeley, CA, June 23-24, 2009.

Organizer (with Joseph Williams), symposium titled “Explanation-based mechanisms for learning: an interdisciplinary approach,” 33<sup>rd</sup> Annual meeting of the Cognitive Science Society, Boston, MA, July, 2011.

Organizer (with June Gruber), Misconceptions of the Mind Conference (MoMiCon.org), April 3, Berkeley, CA.

Program Committee Member, International Conference on Thinking, 2016

Organizer of workshop at Princeton University on “Curiosity, Explanation, & Exploration” June 11-12, 2019, Princeton, NJ.

Organizer (with Neil Van Leeuwen) of JTF-funded virtual colloquium series on “The Nature of Belief” (<https://cognition.princeton.edu/belief>), Oct 29-July 29, 2022 (9 events).

Organizer (with Neil Van Leeuwen) of workshop at Princeton University titled “What is Belief?” June 13-15, 2022, Princeton, NJ.

Organizer (with Casey Lewry) of workshop at Princeton University titled “Intuitive theories of social structures and social change” June 9, 2023, Princeton, NJ.

Organizer (with Stephen Grimm) of workshop at Princeton University titled “Understanding in Natural and Artificial Minds” April 27, 2024, Princeton, NJ.

### **Professional societies and associated service**

Member of APS Janet Taylor Spence Award Committee, 2021-2023

Member of APS Board of Directors, 2021-2024

Member of APA Committee on Scientific Awards, 2021-2023

President, Society for Philosophy and Psychology, 2019-2021

Member of Psychonomic Society Awards Committee, 2017-2020

Member of Rumelhart Prize Committee, 2015-2024

Executive Committee Member, Society for Philosophy and Psychology, 2006 – 2009, 2012-2015

Diversity Committee Member, Society for Philosophy and Psychology, 2008 – 2013

Member of Women in Philosophy Task Force, 2009-2013

Stanton Prize Coordinator, Society for Philosophy and Psychology, 2011

Professional Memberships: Association for Psychological Science (named Fellow in 2012), Cognitive Development Society, Cognitive Science Society, Psychonomic Society, Society for Personality and Social Psychology, Society for Philosophy and Psychology, Society of Experimental Psychologists (named Fellow in 2014)

### **Additional professional service and outreach**

Member, Project Advisory Board for NSF-funded science education project titled “Understanding Science,” UC Berkeley Museum of Paleontology, 2006 – 2011  
Talks for general or non-academic audiences, including Marin Academy (2012), LitQuake (2013), LASER (2013, 2014), Leakey Foundation series *Being Human* (2016), Princeton Club panel on Einstein’s “God Letter” (2019), New York Academy of Sciences panel on “The Enigma of Life: Confronting Marvels at the Forefront of Science” (2020), Cambridge Roundtable on Science and Religion (2021), SciPEP: Communicating the Future: Engaging the Public in Basic Science (2021), PBS Nova (2021), Keynote speaker for Princeton Plasma Physics Lab’s Young Women’s Conference (2024).

## TEACHING

### Undergraduate Courses

Basic Issues in Cognition (*Psych 120/CogSci 100*, 3 units), Fall 2007, Fall 2009, Spring 2013, Spring 2015 (UC Berkeley)  
The Psychology of Religious and Scientific Explanations (*Psych 24*, 1 unit), Fall 2008  
Learning by Thinking (*Psych 128*, 3 units), Spring 2009 (UC Berkeley)  
The Cognitive Science of Supernatural Belief (*Psych 128*, 3 units), Fall 2010 (UC Berkeley)  
Sense & Sensibility & Science (*L&S22*, 3 units, co-instructors: John Campbell & Saul Perlmutter), Spring 2016, Spring 2017, Spring 2018 (UC Berkeley)  
The Cognitive Science of Scientific and Religious Belief (*Psy 380*), Fall 2019 (Princeton)  
Cognitive Psychology (*Psy 255*), Fall 2020, Fall 2021 (Princeton)

### Graduate Courses

Theoretical Issues in the Study of Concepts (*Psych 290Q*, 2 units), Spring 2007 (UC Berkeley)  
Explanation and Cognition (*Psych 290Q*, 2 units, co-instructor: Alison Gopnik), Fall 2007 (UC Berkeley)  
Foundations of Cognition (*Psych 210E*, 3 units, co-instructor: Thomas Griffiths), Spring 2008, Spring 2010, Fall 2013, Fall 2015 (UC Berkeley)  
New Directions in the Study of Concepts (*Psych 290Q*, 2 units, co-instructor: Eleanor Rosch), Fall 2008 (UC Berkeley)  
Learning by Thinking (*Psych 290Q*, 2 units), Spring 2009, Fall 2016 (UC Berkeley)  
Concepts: Philosophical and Psychological Perspectives (*Psych 290Q*, 2 units, co-instructor: Hannah Ginsborg), Fall 2009 (UC Berkeley)  
The Cognitive Science of Supernatural Belief (*Psych 290Q*, 2 units), Fall 2010 (UC Berkeley)  
Proseminar in Basic Problems in Psychology: Cognitive Psychology (*Psy 501*), Fall 2021, Fall 2022 (Princeton)