

# TANIA LOMBROZO

*Curriculum Vitae*

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## CONTACT INFORMATION

Department of Psychology  
Princeton University  
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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

- 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

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. Rhineland 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

### **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. 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.” (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**

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

## Refereed journal articles

5. Federmeier, K.D., Segal, J.B., **Lombrozo**, T., & Kutas, M. (2000). Brain responses to nouns, verbs, and class-ambiguous words in context. *Brain*, *123*, 2552-2566. doi: 10.1093/brain/123.12.2552
6. **Lombrozo**, T., Judson, J., & MacLeod, D.I.A. (2005). Flexibility of spatial averaging in visual perception. *Proceedings of the Royal Society: Biological Sciences*, *272*, 725-732. doi: 10.1098/rspb.2004.3007
7. **Lombrozo**, T., Shtulman, A., & Weisberg, M. (2006). The Intelligent Design controversy: lessons from psychology and education. *Trends in Cognitive Sciences*, *10*, 56-57. doi: 10.1016/j.tics.2005.12.001
8. **Lombrozo**, T. & Carey, S. (2006). Functional explanation and the function of explanation. *Cognition*, *99*, 167-204. doi: 10.1016/j.cognition.2004.12.009
9. **Lombrozo**, T. (2006). The structure and function of explanations. *Trends in Cognitive Sciences*, *10*, 464-470. doi: 10.1016/j.tics.2006.08.004
10. **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*, 999-1006. doi: 10.1111/j.1467-9280.2007.02015.x
11. **Lombrozo**, T. (2007). Simplicity and probability in causal explanation. *Cognitive Psychology*, *55*, 232-257. doi: 10.1016/j.cogpsych.2006.09.006
12. **Lombrozo**, T., Thanukos, A., & Weisberg, M. (2008). The importance of understanding the nature of science for accepting evolution. *Evolution: Education and Outreach*, *1*, 290-298. doi: 10.1007/s12052-008-0061-8
13. **Lombrozo**, T. (2009). Explanation and categorization: how "why?" informs "what?" *Cognition*, *110*, 248-253. doi: 10.1016/j.cognition.2008.10.007
14. **Lombrozo**, T. (2009). The role of moral commitments in moral judgment. *Cognitive Science*, *33*, 273-286. doi: 10.1111/j.1551-6709.2009.01013.x
15. \*Uttich, K. & **Lombrozo**, T. (2010). Norms inform mental state ascriptions: a rational explanation for the side-effect effect. *Cognition*, *116*, 87-100. doi: 10.1016/j.cognition.2010.04.003 [Paper selected for *Science* Editor's Choice in psychology: *Science*, *328*, 1455-1456.]
16. \*Williams, J.J. & **Lombrozo**, T. (2010). The role of explanation in discovery and generalization: evidence from category learning. *Cognitive Science*, *34*, 776-806. doi: 10.1111/j.1551-6709.2010.01113.x
17. **Lombrozo**, T. (2010). Causal-explanatory pluralism: how intentions, functions, and mechanisms influence causal ascriptions. *Cognitive Psychology*, *61*, 303-332. doi: 10.1016/j.cogpsych.2010.05.002
18. **Lombrozo**, T. (2011). The instrumental value of explanations. *Philosophy Compass*, *6*, 539-551. doi: 10.1111/j.1747-9991.2011.00413.x
19. \*Genone, J. & **Lombrozo**, T. (2012). Concept possession, experimental semantics, and hybrid theories of reference. *Philosophical Psychology*, *25*, 717-742. doi: 10.1080/09515089.2011.627538
20. \*Bonawitz, E.B. & **Lombrozo**, T. (2012). Occam's rattle: children's use of simplicity and probability to constrain inference. *Developmental Psychology*, *48*, 1156-1164. doi: 10.1037/a0026471

21. **Lombrozo, T. & Rehder, B. (2012).** Functions in biological kind classification. *Cognitive Psychology*, *65*, 457-485. doi: 10.1016/j.cogpsych.2012.06.002
22. \*Williams, J.J. & **Lombrozo, T. (2013).** Explanation and prior knowledge interact to guide learning. *Cognitive Psychology*, *66*, 55–84. doi: 10.1016/j.cogpsych.2012.09.002
23. \*Williams, J.J., **Lombrozo, T., & Rehder, B. (2013).** The hazards of explanation: overgeneralization in the face of exceptions. *Journal of Experimental Psychology: General*, *142*, 1006-1014. doi: 10.1037/a0030996
24. 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*, 1048-1057. doi: 10.1007/s10608-013-9543-2
25. 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
26. \*Walker, C., **Lombrozo, T., Gopnik, A., & Legare, C. (2014).** Explaining prompts children to privilege inductively rich properties. *Cognition*, *133*, 343-357. doi:10.1016/j.cognition.2014.07.008
27. **Lombrozo, T. & \*Gwynne, N.Z. (2014).** Explanation and inference: Mechanistic and functional explanations guide property generalization. *Frontiers in Human Neuroscience*, *8*. doi:10.3389/fnhum.2014.00700
28. \*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
29. \*Wilkenfeld, D. & **Lombrozo, T. (2015).** Inference to the best explanation (IBE) vs. Explaining for the best inference (EBI). *Science and Education*, *24*, 1059-1077. doi: 10.1007/s11191-015-9784-4
30. \*Wilkenfeld, D., \*Plunkett, D. & **Lombrozo, T. (2016).** Depth and deference: when and why we attribute understanding. *Philosophical Studies*, *173*, 373-393. doi: 10.1007/s11098-015-0497-y
31. **Lombrozo, T. (2016).** Explanatory preferences shape learning and inference. *Trends in Cognitive Sciences*, *20*, 748-759. doi: 10.1016/j.tics.2016.08.001
32. \*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
33. \*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.
34. \*Murray, D. & **Lombrozo, T. (2017).** Effects of manipulation on attributions of causation, free will, and moral responsibility. *Cognitive Science*, *41*, 447-481. doi: 10.1111/cogs.12338
35. \*Walker, C., \*Williams, J.J., \*Rafferty, A., **Lombrozo, T., & Gopnik, A. (2017).** Explaining constrains causal learning in childhood. *Child Development*, *88*, 229-246. doi: 10.1111/cdev.12590
36. \*Walker, C. & **Lombrozo, T. (2017).** Explaining the moral of the story. *Cognition*, *167*, 266-281.
37. \*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.

38. \*Walker, C., \*Bonawitz, E., & **Lombrozo, T.** (2017). Effects of explaining on young children's preference for simpler hypotheses. *Psychonomic Bulletin & Review*, 1538-1547. doi: 10.3758/s13423-016-1144-0
39. \*Vasilyeva, N., \*Wilkenfeld, D., & **Lombrozo, T.** (2017). Contextual utility affects the perceived quality of explanations. *Psychonomic Bulletin & Review*, 1436-1450. doi: 10.3758/s13423-017-1275-y
40. \*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.
41. \*Gottlieb, S., **Lombrozo, T.** (2018). Can science explain the human mind? Intuitive judgments about the limits of science. *Psychological Science*, 29(1): 121-130.
42. \*Wilkenfeld, D., \*Plunkett, D., & **Lombrozo, T.** (2018). Folk attributions of understanding: Is there a role for epistemic luck? *Episteme*, 15(1), 24-49.
43. **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.
44. \*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.
45. \*Blanchard, T., \*Vasilyeva, N., & **Lombrozo, T.** (2018). Stability, breadth, and guidance. *Philosophical Studies*, 175(9), 2263-2283.
46. \*Blanchard, T., **Lombrozo, T.**, & Nichols, S. (2018). Occam's razor is a razor of the people. *Cognitive Science*, 42(4), 1345-1359.
47. \*Vasilyeva, N., \*Blanchard, T., & **Lombrozo, T.** (2018). Stable causal relationships are better causal relationships. *Cognitive Science*, 42(4), 1265-1296.
48. \*Gottlieb, S., Keltner, D., **Lombrozo, T.** (2018). Awe as a scientific emotion. *Cognitive Science*, 42(6), 2081-2094.
49. \*Liquin, E., & **Lombrozo, T.** (2018). Structure-function fit underlies the evaluation of teleological explanations. *Cognitive Psychology*, 107, 22-43.
50. \*Vasilyeva, N.Y., Gopnik, A., & **Lombrozo, T.** (2018). The Development of Structural Thinking about Social Categories. *Developmental Psychology*, 54(9), 1735-1744.
51. \*Wilkenfeld, D.A., & **Lombrozo, T.** (2018). Explanation classification depends on understanding: extending the epistemic side-effect effect. *Synthese*.  
<https://doi.org/10.1007/s11229-018-1835-3>
52. \*Edwards, B.J., \*Williams, J.J., Genter, D. & **Lombrozo, T.** (2019). Explanation recruits comparison in a category-learning task. *Cognition*, 185, 21-38.
53. \*Ruggeri, A., Xu, F., & **Lombrozo, T.** (2019). Effects of explanation on children's question asking. *Cognition*, 191, 21-38.
54. \*Plunkett, D., Buchak, L., & **Lombrozo, T.** (2020). When and why people think scientific explanations for the origins of belief are "debunking." *Mind & Language*, 35(1), 3-28.
55. \*Aronowitz, S. & **Lombrozo, T.** (2020). Learning through simulation. *Philosophers' Imprint*, 20(1), 1-18.
56. \*Liquin, E. & **Lombrozo, T.** (2020). A functional approach to explanation-seeking curiosity. *Cognitive Psychology*, 119, 101276.
57. \*Aronowitz, S. & **Lombrozo, T.** (2020). Experiential explanation. *Topics in Cognitive Science*, 12(4), 1321-1336.

58. \*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.
59. \*Liquin, E. & **Lombrozo, T.** (2020). Explanation-seeking curiosity in childhood. *Current Opinion in Behavioral Sciences, 35*, 14-20.
60. \*Vasilyeva N. & **Lombrozo, T.** (2020). Structural thinking about social categories: Evidence from formal explanations, generics, and generalization. *Cognition, 204*, 104383.
61. \*Liquin, E., \*Metz, S.E., & **Lombrozo, T.** (2020). Science demands explanation, religion tolerates mystery. *Cognition, 204*, 104398.
62. 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.
63. \*Ruggeri, A., \*Walker, C., **Lombrozo, T.**, & Gopnik, A. (2021). How to help young children ask better questions. *Frontiers in Psychology, 11*, 2908.
64. \*Cusimano, C. & **Lombrozo, T.** (2021). Morality justifies motivated reasoning in the folk ethics of belief. *Cognition, 209*, 104513
65. \*Cusimano, C. & **Lombrozo, T.** (2021). Reconciling scientific and commonsense values to improve reasoning. *Trends in Cognitive Sciences, 25*(11), 937-949.
66. \*Dubey, R., \*Mehta, H., & **Lombrozo, T.** (2021). Curiosity is contagious: A social influence intervention to induce curiosity. *Cognitive Science, 45*(2), e12937.
67. \*Blanchard, T., \*Murray, D., & **Lombrozo, T.** (2022). Experiments on causal exclusion. *Mind & Language, 37*(5), 1067-1089.
68. \*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.
69. \*Liquin, E. & **Lombrozo, T.** (2022). Motivated to learn: An account of explanatory satisfaction. *Cognitive Psychology, 132*, 101453.
70. \*Vasil, N., \*Ruggeri, A. & **Lombrozo, T.** (2022). When and how children use explanations to guide generalizations. *Cognitive Development, 61*, 101144.
71. \*Oktar, K. & **Lombrozo, T.** (2022). Deciding to be authentic: Intuition is favored over deliberation when authenticity matters. *Cognition, 223*, 105021.
72. \*Davoodi, T., & **Lombrozo, T.** (2022). Varieties of ignorance: Mystery and the unknown in science and religion. *Cognitive Science, 46*(4), e13129.
73. 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, e13274*.
74. \*Vrantsidis, T. & **Lombrozo, T.** (2022). Simplicity as a cue to probability: multiple roles for simplicity in evaluating explanations. *Cognitive Science, 46* (7), e13169.
75. \*Dubey, R., Griffiths, T.L., **Lombrozo, T.** (2022). If it's important, then I'm curious: Increasing perceived usefulness stimulates curiosity. *Cognition, 226*, 105193.
76. \*Vasil, N., & **Lombrozo, T.** (2022). Explanations and Causal Judgments Are Differentially Sensitive to Covariation and Mechanism Information. *Frontiers in Psychology, 13*, 911177.
77. \*Foster-Hanson, E. & **Lombrozo, T.** (2022). How 'is' shapes 'ought' for folk-biological concepts. *Cognitive Psychology, 139*, 101507.



78. \*Lewry, C., \*Gorucu, S., \*Liquin, E. G., & **Lombrozo, T.** (2023). Minimally counterintuitive stimuli trigger greater curiosity than merely improbable stimuli. *Cognition*, 230, 105286.
79. Van Leeuwen, N. & Lombrozo, T. (Forthcoming). The puzzle of belief. *Cognitive Science*.

### **Book and handbook chapters**

80. Sloman, S., **Lombrozo, T.** & Malt, B. (2007). Ontological commitments and domain-specific categorisation. In M.J. Roberts (Ed.), *Integrating the Mind* (pp. 105-129). Hove, UK: Psychology Press.
81. **Lombrozo, T.** (2012). Explanation and abductive inference. In K.J. Holyoak and R.G. Morrison (Eds.), *Oxford Handbook of Thinking and Reasoning* (pp. 260-276). Oxford, UK: Oxford University Press.
82. \*Uttich, K., \*Tsai, G. & **Lombrozo, T.** (2014). Exploring metaethical commitments: Moral objectivity and moral progress. In H. Sarkissian & J. Cole Wright (Eds.), *Advances in Moral Psychology* (Experimental Philosophy Series) (pp. 188-208), Continuum Press.
83. **Lombrozo, T.** (2016). Explanation. In J. Sytsma & W. Buckwalter (Eds.), *Blackwell Companion to Experimental Philosophy*. Blackwell.
84. Shtulman, A. & **Lombrozo, T.** (2016). Bundles of contradiction: a co-existence view of conceptual change. In D. Barner & A. S. Baron (Eds.), *Core knowledge and conceptual change* (pp. 53-71). Oxford, UK: Oxford University Press.
85. **Lombrozo, T.**, & \*Vasilyeva, N. (2017). Causal explanation. In M. Waldmann (Ed.), *Oxford Handbook of Causal Reasoning*. Oxford, UK: Oxford University Press.
86. \*Gottlieb, S. & **Lombrozo, T.** (2018). Folk theories in the moral domain. In K. Gray and J. Graham (Eds.), *The Atlas of Moral Psychology* (pp. 320-331), Guilford Publications.
87. \*Gottlieb, S. & **Lombrozo, T.** (2019). What are the limits of scientific explanation? In Kevin McCain & Kostas Kampourakis (Eds.), *What is Scientific Knowledge?*, New York, NY: Routledge.
88. **Lombrozo, T.** (2019). ‘Learning by thinking’ in science and in everyday life. P. Godfrey-Smith & A. Levy (Eds.), *The Scientific Imagination* (pp. 230-249), Oxford University Press.
89. **Lombrozo, T.**, & \*Wilkenfeld, D.A. (2019). Mechanistic versus functional understanding. In Stephen R. Grimm (Ed.), *Varieties of Understanding: New Perspectives from Philosophy, Psychology, and Theology* (pp. 209-229). New York, NY: Oxford University Press.
90. \*Kon., E. & **Lombrozo, T.** (2019). Scientific discovery and the human drive to explain. In Richard Samuels & Daniel Wilkenfeld (Eds.), *Advances in Experimental Philosophy of Science* (pp. 15-40). New York, NY: Bloomsbury Press.
91. \*Giffin, C. & **Lombrozo, T.** (2022). *Mens Rea* in Moral Judgment and Criminal Law. In Manuel Vargas & John Doris (Eds.), *Oxford Handbook of Moral Psychology*. Oxford, UK: Oxford University Press.
92. \*Davoodi, T. & **Lombrozo, T.** (Forthcoming). Scientific and religious explanations, together and apart. In Jonah Schupbach & David Glass (Eds.), *Conjunctive Explanations*. Routledge.

## Book reviews, commentaries, and other publications

93. **Lombrozo, T.** (2009). Why *Why Darwin matters* matters [Review of the book *Why Darwin matters: the case against intelligent design*, by M. Shermer]. *Evolution: Education & Outreach*, 2, 141-143. doi: 10.1007/s12052-008-0109-9
94. **Lombrozo, T.** (2010). From conceptual representations to explanatory relations [Peer commentary on the paper “Précis of *Doing without concepts*” by E. Machery]. *Behavioral and Brain Sciences*, 33, 218-219. doi: 10.1017/S0140525X10000415
95. Knobe, J., **Lombrozo, T.**, & Machery, E. (2010). Editorial: Psychology and experimental philosophy. *Review of Philosophy and Psychology*, 1, 157-160. doi: 10.1007/s13164-009-0012-5
96. Knobe, J., **Lombrozo, T.**, & Machery, E. (2010). Editorial: Dimensions of experimental philosophy. *Review of Philosophy and Psychology*, 1, 315-318. doi: 10.1007/s13164-010-0037-9
97. **Lombrozo, T.** & \*Uttich, K. (2010). Putting normativity in its proper place [Peer commentary on the paper “Person as scientist, person as moralist” by J. Knobe]. *Behavioral and Brain Sciences*, 33, 344-345. doi: 10.1017/S0140525X10001810
98. **Lombrozo, T.** (2011). The campaign for concepts. *Dialogue: Canadian Philosophical Review*, 50, 165-177. doi: 10.1017/S0012217311000175 [Written for book symposium on Machery’s *Doing Without Concepts*]

## Refereed & archived conference papers

99. \*Pacer, M., \*Williams, J.J., Xi, C., **Lombrozo, T.**, & Griffiths, T. L. (2013). Evaluating computational models of explanation using human judgments. In A. Nicholson & P. Smyth (Eds.), *Proceedings of the Twenty-Ninth Conference on Uncertainty in Artificial Intelligence* (pp. 498-507). Corvallis, Oregon: AUAI Press.
100. \*Williams, J. J., **Lombrozo, T.**, Hsu, A., Huber, B., & Kim, J. (2016). Revising learner misconceptions without feedback: Prompting for reflection on anomalous facts. In *Proceedings of CHI (2016), 34th Annual ACM Conference on Human Factors in Computing Systems* (pp. 470-474). New York, NY: Association for Computing Machinery. doi: 10.1145/2858036.2858361

## Refereed conference papers

101. **Lombrozo, T.** (2004). Causal constraints and regularities. *Proceedings of the 30th Annual Conference of the Society for Philosophy and Psychology*.
102. **Lombrozo, T.** & \*Rutstein, J.J. (2004). Simplicity in explanation. *Proceedings of the 26<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 837-842). Austin, TX: Cognitive Science Society.
103. **Lombrozo, T.** (2006). Two routes to moral consideration: a psychological investigation of moral intuitions. *Proceedings of the 32nd Annual Conference of the Society for Philosophy and Psychology*.

104. **Lombrozo, T.** (2007). Mechanisms and functions: empirical evidence for distinct modes of understanding. *Proceedings of the 33rd Annual Conference of the Society for Philosophy and Psychology.*
105. **Lombrozo, T.** (2008). The role of moral theories in moral judgment. *Proceedings of the 34th Annual Conference of the Society for Philosophy and Psychology.*
106. \*Bonawitz, E.B., Chang, I.Y., Clark, C., & **Lombrozo, T.** (2008). Ockham's razor as inductive bias in preschoolers' causal explanations. *Proceedings of the 7<sup>th</sup> International IEEE Conference on Development and Learning* (pp. 7-12).
107. \*Williams, J.J. & **Lombrozo, T.** (2009). Explaining promotes discovery: evidence from category learning. *Proceedings of the 35th Annual Conference of the Society for Philosophy and Psychology.*
108. \*Uttich, K. & **Lombrozo, T.** (2009). Moral norms inform mental state ascriptions: an alternative explanation for the side-effect effect. *Proceedings of the 35th Annual Conference of the Society for Philosophy and Psychology.*
109. \*Williams, J.J. & **Lombrozo, T.** (2009). Explaining promotes discovery: evidence from category learning. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 1186-1191). Austin, TX: Cognitive Science Society.
110. \*Uttich, K. & **Lombrozo, T.** (2009). Moral norms inform mental state ascriptions: an alternative explanation for the side-effect effect. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 1096-1101). Austin, TX: Cognitive Science Society.
111. \*Williams, J.J., & **Lombrozo, T.** (2010). Explanation constrains learning, and prior knowledge constrains explanation. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 2912-2917). Austin, TX: Cognitive Science Society.
112. \*Williams, J.J., **Lombrozo, T.**, & Rehder, B. (2010). Why does explaining help learning? Insight from an explanation impairment effect. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 2906-2911). Austin, TX: Cognitive Science Society.
113. \*Gwynne, N.Z. & **Lombrozo, T.** (2010). The cultural transmission of explanations: evidence that teleological explanations are preferentially remembered. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 1301-1306). Austin, TX: Cognitive Science Society.
114. \*Williams, J.J., **Lombrozo, T.**, & Rehder, B. (2011). Explaining drives the discovery of real and illusory patterns. In L. Carlson, C. Hoelscher, & T.F. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1352-1357). Austin, TX: Cognitive Science Society.
115. \*Williams, J.J., \*Walker, C. & **Lombrozo, T.** (2012). Explaining increases belief revision in the face of (many) anomalies. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 1149-1154). Austin, TX: Cognitive Science Society.
116. \*Walker, C., \*Williams, J.J., **Lombrozo, T.**, & Gopnik, A. (2012). Explaining influences children's reliance on evidence and prior knowledge in causal induction. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 1114-1119). Austin, TX: Cognitive Science Society.

117. \*Williams, J.J., \*Walker, C., Maldonado, S.G., & **Lombrozo**, T. (2013). Effects of explaining anomalies on the generation and evaluation of hypotheses. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3777-3782). Austin, TX: Cognitive Science Society.
118. \*Walker, C., **Lombrozo**, T., Legare, C.H., & Gopnik, A. (2013). Explaining to others prompts children to favor inductively rich properties. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 1558-1563). Austin, TX: Cognitive Science Society.
119. \*Edwards, B.J., \*Williams, J.J., **Lombrozo**, T. (2013). Effects of explanation and comparison on category learning. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 406-411). Austin, TX: Cognitive Science Society.
120. \*Edwards, B.J., Williams, J.J., Gentner, D., & **Lombrozo**, T. (2014). Effects of comparison and explanation on analogical transfer. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 445-450). Austin, TX: Cognitive Science Society.
121. \*Ruggeri, A. & **Lombrozo**, T. (2014). Learning by asking: How children ask questions to achieve efficient search. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1335-1340). Austin, TX: Cognitive Science Society.
122. \*Plunkett, D., **Lombrozo**, T., & Buchak, L. (2014). Because the brain agrees: The impact of neuroscientific explanations for belief. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1180-1185). Austin, TX: Cognitive Science Society.
123. \*Williams, J.J., Kovacs, G., \*Walker, C., Maldonado, S.G., & **Lombrozo**, T. (2014). Learning online via prompts to explain. *32nd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems*.
124. \*Giffin, C.E. & **Lombrozo**, T. (2015). Mental states are more important in evaluating moral than conventional violations. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.
125. \*Ruggeri, A., **Lombrozo**, T., Griffiths, T.L., & Xu, F. (2015). Children search for information as efficiently as adults do, but seek additional confirmatory evidence. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.
126. \*Vasilyeva, N.Y. & **Lombrozo**, T. (2015). Explanations and causal judgments are differentially sensitive to covariation and mechanism information. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.
127. \*Vasilyeva, N.Y., \*Wilkenfeld, D., & **Lombrozo**, T. (2015). Goals affect the perceived quality of explanations. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.
128. \*Blanchard, T., \*Vasilyeva, N.Y., & **Lombrozo**, T. (2016). Stable causal relationships are better causal relationships. *42nd Annual Conference of the Society for Philosophy and Psychology*.
129. \*Gottlieb, S., & **Lombrozo**, T. (2016). Can science explain the human mind? Intuitive judgments about the limits of science. *42nd Annual Conference of the Society for Philosophy and Psychology*.

130. \*Wilkenfeld, D.A., Asselin, J., & **Lombrozo**, T. (2016). Are symptom clusters explanatory? A study in mental disorders and non-causal explanation. *42<sup>nd</sup> Annual Conference of the Society for Philosophy and Psychology*.
131. \*Walker, C., Bonawitz, E., & **Lombrozo**, T. (2016). Explaining Promotes a Preference for Simplicity in Young Children. *42<sup>nd</sup> Annual Conference of the Society for Philosophy and Psychology*.
132. \*Vasilyeva, N.Y., \*Blanchard, T., & **Lombrozo**, T. (2016). Stable causal relationships are better causal relationships. *Proceedings of the 38<sup>th</sup> Annual Conference of the Cognitive Science Society*.
133. \*Wilkenfeld, D.A., Asselin, J., & **Lombrozo**, T. (2016). Are symptom clusters explanatory? A study in mental disorders and non-causal explanation. *Proceedings of the 38<sup>th</sup> Annual Conference of the Cognitive Science Society*.
134. \*Goddu, M. & **Lombrozo**, T., Gopnik, A. (2017). Causal framing improves children's early analogical reasoning. *43<sup>rd</sup> Annual Conference of the Society for Philosophy and Psychology*.
135. \*Gottlieb, S. & **Lombrozo**, T. (2017). How ought we reason about transformative experience? Intuitive judgments of transformative choice. *43<sup>rd</sup> Annual Conference of the Society for Philosophy and Psychology*.
136. \*Liquin, E. & **Lombrozo**, T. (2017). Function over mechanism: Why teleological explanations are so compelling. *43<sup>rd</sup> Annual Conference of the Society for Philosophy and Psychology*.
137. \*Vasilyeva, N.Y., Gopnik, A., & **Lombrozo**, T. (2017). The Development of Structural Thinking about Social Categories. *43<sup>rd</sup> Annual Conference of the Society for Philosophy and Psychology*.
138. \*Kon, E., & **Lombrozo**, T. (2017). Explaining Guides Learners Towards Perfect Patterns, Not Perfect Prediction. *Proceedings of the 39<sup>th</sup> Annual Conference of the Cognitive Science Society*.
139. \*Liquin, E. & **Lombrozo**, T. (2017). Explain, Explore, Exploit: Effects of Explanation on Information Search. *Proceedings of the 39<sup>th</sup> Annual Conference of the Cognitive Science Society*.
140. \*Vasilyeva, N.Y., Gopnik, A., & **Lombrozo**, T. (2017). The Development of Structural Thinking about Social Categories. *Proceedings of the 39<sup>th</sup> Annual Conference of the Cognitive Science Society*.
141. \*Vasilyeva, N.Y., \*Ruggeri, A., & **Lombrozo**, T. (2018). When and how children use explanations to guide generalizations. *Proceedings of the 40<sup>th</sup> Annual Conference of the Cognitive Science Society*.
142. \*Liquin, E.G., \*Metz, S.E., & **Lombrozo**, T. (2018). Explanation and its Limits: Mystery and the Need for Explanation in Science and Religion. *Proceedings of the 40<sup>th</sup> Annual Conference of the Cognitive Science Society*.
143. \*Liquin, E.G., & **Lombrozo**, T. (2018). Determinants and consequences of the need for explanation. *Proceedings of the 40<sup>th</sup> Annual Conference of the Cognitive Science Society*.
144. \*Kon, E., & **Lombrozo**, T. (2018). Seeking ideal explanations in a non-ideal world. *Proceedings of the 40<sup>th</sup> Annual Conference of the Cognitive Science Society*.

145. \*Mehta, H., \*Dubey, R., & **Lombrozo, T.** (2018). Your liking is my curiosity: A social popularity intervention to induce curiosity. *Proceedings of the 40<sup>th</sup> Annual Conference of the Cognitive Science Society.*
146. \*Liquin, E. & **Lombrozo, T.** (2019). Inquiry, theory-formation, and the phenomenology of explanation. *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society.*
147. \*Gill, M. & **Lombrozo, T.** (2019). Seeking evidence and explanation signals religious and scientific commitments. *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society.*
148. \*Vasilyeva, N. & **Lombrozo, T.** (2019). Structural thinking about social categories: Evidence from formal explanations, generics, and generalization. *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society.*
149. \*Dubey, R., Griffiths, T., & **Lombrozo, T.** (2019). If it's important, then I am curious: A value intervention to induce curiosity. *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society.*
150. \*Mirabile, P. & **Lombrozo, T.** (2019). Explanatory considerations guide pursuit. *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society.*
151. \*Cusimano, C., & **Lombrozo, T.** (2020). Morality justifies motivated reasoning. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society.*
152. \*Davoodi, T., & **Lombrozo, T.** (2020). Explaining the existential: Functional roles of religious and scientific explanations. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society.*
153. \*Liquin, E., \*Callaway, F. & **Lombrozo, T.** (2020). Quantifying Curiosity: A Formal Approach to Dissociating Causes of Curiosity. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society.*
154. \*Oktar, K. & **Lombrozo, T.** (2020). You Should Really Think This Through: Cross-Domain Variation in Preferences for Intuition and Deliberation. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society.*
155. \*Vasilyeva, N. & **Lombrozo, T.** (2020). When Generic Language does not Promote Psychological Essentialism. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society.*
156. \*Cusimano, C., Zorrilla, N., Danks, D., & **Lombrozo, T.** (2021). Reason-based constraint in theory of mind. *Proceedings of the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society.*
157. \*Oktar, K. & **Lombrozo, T.** (2021). Deciding to be authentic: Intuition is favored over deliberation for self-reflective decisions. *Proceedings of the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society.*
158. \*Liquin, E., \*Callaway, F. & **Lombrozo, T.** (2021). Developmental change in what elicits curiosity. *Proceedings of the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society.*
159. \*Lewry, C., Kelemen, D., & **Lombrozo, T.** (2021). Why belief in species purpose prompts moral condemnation of individuals who fail to fulfill that purpose. *Proceedings of the 43<sup>rd</sup> Annual Conference of the Cognitive Science Society.*
160. \*Foster-Hanson, E., & **Lombrozo, T.** (2022). What are Men and Mothers for? The Causes and Consequences of Functional Reasoning about Social Categories. *Proceedings of the 44<sup>th</sup> Annual Meeting of the Cognitive Science Society.*

161. \*Kinney, D., & **Lombrozo**, T. (2022). Evaluations of Causal Claims Reflect a Trade-Off Between Informativeness and Compression . *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*.
162. \*Lewry, C., & **Lombrozo**, T. (2022). Ethical Explanations. *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*.
163. \*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*.

### **Selected manuscripts under review or in revision**

1. \*Cusimano, C. & **Lombrozo**, T. People acknowledge and condone their own morally motivated reasoning.
2. \*Gottlieb, S.; Oktar, K., & **Lombrozo**, T. Deciding when we cannot know: First-person priority in transformative choice.
3. \*Kinney, D. & **Lombrozo**, T. Building compressed causal models of the world.
4. \*Lewry, C., Kelemen, D., & **Lombrozo**, T. From teleology to morality: Why belief in human purpose prompts moral condemnation of individuals who fail to fulfill it.
5. \*Vasilyeva N., Srinivasan, M., Ellwood-Lowe, M.E., Delaney, S., Gopnik, A. & **Lombrozo**, T. Structural explanations lead young children and adults to rectify resource inequalities.

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

1. **Lombrozo**, T. (2009). Should teachers try to get students to *understand* or *accept* evolution? *Science & Religion Today*. Retrieved from <http://www.scienceandreligiontoday.com>
2. **Lombrozo**, T. (2012). Defeasibility. In J. Brockman (Ed.), *This Will Make You Smarter* (pp. 336-337). New York, NY: Harper Perennial.
3. **Lombrozo**, T. (2013). Realism and other metaphysical half-truths. In J. Brockman (Ed.), *This Explains Everything*. New York, NY: Harper Perennial.
4. **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>.
5. **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.
6. **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.
7. **Lombrozo**, T. (2014). Women, power, and prestige. *Chronicle of Higher Education*, November 7.
8. **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.
9. **Lombrozo**, T. (2017). The broadening scope of science. In J. Brockman (Ed.), *Know This*, New York, NY: Harper Perennial.

10. **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.
11. **Lombrozo, T.** (2019). Human exceptionalism stifles progress. *Nautilus*. Retrieved from <http://nautil.us/issue/72/quandary/human-exceptionalism-stifles-progress>.
12. **Lombrozo, T.** (2021). Existential comfort without God. *Nautilus*. Retrieved from <https://new.nautil.us/existential-comfort-without-god-12154/>.

### **Regular 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**

1. UC Berkeley, Department of Psychology, January 2005.
2. MIT, Brain and Cognitive Sciences, January 2005.
3. University of Pennsylvania, Institute for Research in Cognitive Science, October 2005.
4. University of Pennsylvania, Museum of Anthropology, Workshop on Evolution and Intelligent Design, November 2005.
5. Wellesley College, Department of Philosophy and Undergraduate Philosophy Club, April 2006.
6. Stanford University, Department of Psychology, Friday Cognitive Seminar, October 2006.
7. UC Berkeley, Townsend Working Group in Philosophy of Mind, November 2006.
8. UC Berkeley, Institute for Cognitive and Brain Sciences, Faculty Retreat, December 2006.
9. UC Berkeley, Cognition, Brain, and Behavior Colloquium, January 2007.
10. UC Berkeley, History and Philosophy of Logic, Mathematics, and Science Colloquium. April 2007.
11. UC Berkeley, Institute for Cognitive and Brain Sciences, Faculty Retreat, April 2008.
12. Stanford University, Symbolic Systems Forum, “Explaining explanation: Why we answer “why?” the way we do,” May 2008.
13. Formal Epistemology Workshop (philosophy conference), Madison, WI, invited tutorials, “Explaining explanation” & “Intuitions about causation,” May 2008.
14. Society for Philosophy and Psychology pre-conference workshop on Experimental Philosophy, “Experimental methods for thought experiments,” Philadelphia, PA, June 2008.
15. UC Berkeley, Townsend working group in neuroscience and philosophy, January 2009.
16. UC Santa Cruz, Cognitive Area Colloquium, “Causal and explanatory pluralism,” February 2009.



17. UC Merced, Cognitive Science Speaker Series, "Causal and explanatory pluralism," February 2009.
18. University of Texas, Austin, Cognitive Colloquium, "Causal and explanatory pluralism," March 2009.
19. University of Arizona, Tucson, Cognitive Science Colloquium, "Causal and explanatory pluralism," April 2009.
20. University of Utah, Salt Lake City, UT, NEH-sponsored Summer Institute on Experimental Philosophy, "Research methods and design" & "Causation," July 2009.
21. University of Pennsylvania, Philadelphia, Philosophers' Lunch, "Causal-explanatory pluralism: evidence from psychology," January 2010.
22. Arizona State University, Tempe, Philosophy Department Colloquium, "The functions of explanation," February 2010.
23. UC Berkeley, Berkeley, CA, Graduate School of Education's Cognition and Development Lecture Series, "The role of explanation in learning and discovery," March 2010.
24. Princeton University, Princeton, NJ, Cognitive Area Colloquium, "Causal and explanatory pluralism," March 2010.
25. Yale University, New Haven, CT, Developmental Lunch Colloquium, "The cognitive consequences of explanation," April 2010.
26. Society for Philosophy and Psychology Annual Meeting, Stanton Award Lecture, "Explaining explanation," June 2010.
27. 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.
28. Stanford University, Stanford, CA, Psychology Department Colloquium, "Understanding why: the cognitive science of explanation." September 2010.
29. UC Berkeley, Berkeley, CA, Institute for Personality and Social Psychology Colloquium, "Causation and intentions: two projects in social cognition," March 2011.
30. UC San Diego, La Jolla, CA, Psychology Department Colloquium, "Understanding why: the cognitive science of explanation," April 2011.
31. Stanford University, invited speaker in Logic and Methodology Workshop, "The philosophy and psychology of explanation," May 2011.
32. Northwestern University, invited speaker in Psychology Department Colloquium Series, "Explanation: the good, the bad, and the beautiful," May 2012.
33. 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.
34. University of Arizona, Tucson, AZ, NEH-sponsored Summer Institute on Experimental Philosophy, "Research methods and design" & "Causal explanation," July 2012.
35. Stanford University, Stanford, CA, Symbolic Systems Forum, "Philosophy of science meets cognitive psychology," October 2012.
36. University of Pittsburgh, Pittsburgh, PA, invited speaker for special Psi Chi Colloquium, "Adventures in philosophical psychology," February 2013.
37. University of Pittsburgh, Pittsburgh, PA, invited speaker for Psychology Colloquium Series, "Explanation: the good, the bad, and the beautiful," February 2013.

38. University of Wisconsin-Madison, Madison, WI, invited speaker for Psychology Colloquium Series, "Explanation: the good, the bad, and the beautiful," September 2013.
39. 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.
40. University of Maryland, College Park, MD, invited speaker for Cognitive Science Colloquium Series, "Explanation: the good, the bad, and the beautiful," October 2013.
41. 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.
42. 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.
43. Psychonomic Society Annual Meeting, Long Beach, CA, invited speaker for a panel on grant writing organized by Women in Cognitive Science, November 2014.
44. University of Waterloo, Waterloo, Canada, invited speaker for joint philosophy/psychology colloquium, "Explanation: the good, the bad, and the beautiful," January 2015.
45. 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.
46. Princeton University, Princeton, New Jersey, invited speaker for Cognitive Science Colloquium, "Explanation: the good, the bad, and the beautiful," April 2015.
47. University of California, Berkeley, California, invited speaker for California Cognitive Science Conference, "Three Mysteries of Explanation," May 2015.
48. 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.
49. Duke University, Durham, North Carolina, invited speaker for Philosophy Colloquium, "Explanation: the good, the bad, and the beautiful," September 2015.
50. 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.
51. Georgia State University, Atlanta Georgia, Neurophilosophy Forum, "Explanation: the good, the bad, and the beautiful," October 2015.
52. Sonoma State University, Rohnert Park, CA, Ethics, Law and Society Forum, "The Significance of a Guilty Mind," October 2015.
53. University of Oregon, Eugene, Psychology Colloquium, "Explanation: the good, the bad, and the beautiful," April 2016.
54. Princeton University, Princeton, NJ, Cognitive Science Colloquium, "Learning by thinking," April 2016.
55. Carnegie Mellon University, Pittsburgh, PA, Psychology & Philosophy Colloquium, "Explanation: the good, the bad, and the beautiful," April 2016.
56. Toronto, Ontario, Canada, keynote speaker for International Mind, Brain, and Education Society, "Explanation: the good, the bad, and the beautiful," September 2016.
57. Indiana University, Bloomington, Cognitive Science Colloquium, "Explanation: the good, the bad, and the beautiful," October 2016.

58. University of Pennsylvania, Philadelphia, PA, Institute for Mind-Brain Seminar Series, “Explaining for the best inference,” February 2017.
59. San Francisco, CA, Learning & the Brain conference, invited speaker, “Learning By Thinking, Questioning and Explaining,” February 2017.
60. George Washington University, Washington, D.C., Mind-Brain Institute Talk, “Explanation: the good, the bad, and the beautiful,” March 2017.
61. University of Buffalo, Buffalo, NY, keynote speaker for Buffalo Experimental Philosophy conference, “The intuitive power and limits of scientific explanations,” August, 2017.
62. Radcliffe Exploratory Seminar on Causal Pluralism, Cambridge, MA, invited speaker, “The cognitive science of casual explanation,” January, 2018.
63. Rutgers University, New Brunswick, NJ, invited speaker for Conference in Honor of Alvin Goldman, “Explaining for the best inference,” February, 2018.
64. 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.
65. Lehigh University, Bethlehem, PA, Psychology, Cognitive Science, and Philosophy Colloquium, “Explanation: the good, the bad, and the beautiful,” September 2018.
66. Harvard University, Cambridge, MA, Causality Conference, “Making causal claims: some cautionary notes from psychology,” November, 2018.
67. New York University, New York, NY, ConCats Seminar Series, “Explanation, causation, and stability,” November, 2018.
68. Yale University, New Haven, CT, Developmental Current Works Seminar, “How children learn by seeking explanations of the world around them,” December, 2018.
69. Rutgers University, Newark, NJ, Psychology Department Colloquium Series, “Explanation and the Process of Inquiry,” January, 2019.
70. Radcliffe Exploratory Seminar on Possibilities, Cambridge, MA, invited speaker, “Discussion of work on possibilities in causation and explanation,” January, 2019.
71. Yale University, New Haven, CT, Mutual Understanding Workshop, invited speaker, “Distinct forms of explanatory understanding support abstraction and mental simulation,” March, 2019.
72. Dartmouth College, Hanover, NH, Cognitive Science Colloquium, invited speaker, “Explanation: the good, the bad, and the beautiful,” April, 2019.
73. Northeastern University, Boston, MA, Formal and Experimental (FAX) Workshop, invited speaker, “Explaining for the best inference,” April, 2019.
74. 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.
75. Society for Philosophy and Psychology Pre-Conference Workshop on Philosophy and Psychology of Science, San Diego, CA, invited speaker, “Experiential explanation,” July 2019.
76. Psychology and Economics of Causal Reasoning Conference, invited speaker, “Preferences for Simple and Broad Explanations Can Shape Causal Learning,” University College London, September, 2019.

77. 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.
78. Florida State University, invited speaker for Experimental Philosophy Conference, “Folk epistemic commitments: Science & Religion,” Tallahassee, FL, October, 2019.
79. Seton Hall University, invited speaker for yearly Philosophy Speaks series, “Explanation: the good, the bad, and the beautiful,” South Orange, NJ, October, 2019.
80. UCLA, Anderson School of Business, invited speaker for Behavioral Decision Making Seminar, “The (Perceived) Limits of Deliberation and Evidence,” Los Angeles, CA, January, 2020.
81. University of Miami, invited speaker for Cognitive Studies Colloquium, “Explanation: the good, the bad, and the beautiful,” Coral Gables, FL, February, 2020.
82. University of Pennsylvania, Wharton School of Business, invited speaker for Decision Processes Colloquium, “The (Perceived) Limits of Deliberation and Evidence,” Philadelphia, PA, March, 2020.
83. 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.
84. 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.
85. University of Aberdeen, invited speaker for School of Psychology Seminar Series, “Explanation: the good, the bad, and the beautiful,” virtual event March, 2021.
86. MIT, invited speaker for Brain and Cognitive Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event April, 2021.
87. The John Templeton Foundation, invited speaker for Templeton Speaker Series, “Explanation and Ignorance in Science and Religion,” virtual event June, 2021.
88. International Conference on Thinking, Keynote Speaker, “What you should believe about belief: going beyond the evidence,” virtual event June, 2021.
89. Society for Philosophy and Psychology, Presidential Address, “Ideal Believers,” virtual event July, 2021.
90. SciPEP (Science Public Engagement Partnership), Keynote Speaker for *Communicating the Future: Engaging the Public in Basic Science*, “Stimulating curiosity about science: Some opportunities and challenges,” virtual event July, 2021.
91. York University, invited speaker for Cognitive Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event September, 2021.
92. University of Calgary, invited speaker for Philosophy Colloquium Series, “Intuitive theories of belief,” virtual event December, 2021.
93. Johns Hopkins University, invited speaker for Psychological and Brain Sciences Colloquium Series, “Explanation: the good, the bad, and the beautiful,” virtual event December, 2021.
94. Human-Centered Explainable AI (HCXAI) ACM CHI Workshop, keynote speaker, virtual event, May 2022.
95. Villanova University, Department of Psychological and Brain Sciences Colloquium Series, “Believing beyond the evidence,” September, 2022.

96. 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.
97. Carnegie Mellon University, invited speaker for Center for Behavioral and Decision Research (CBDR) seminar, “Believing beyond the evidence,” Pittsburgh, PA, October 2022.
98. Geography of Philosophy (GPP) Workshop, keynote speaker, “The folk ethics of belief,” University of Pittsburgh, Pittsburgh, PA, October 2022.

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**

1. 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.
2. 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.
3. 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.
4. Lombrozo, T. (2004, June). *Simplicity and probability in explanation*. Poster presented at the Annual Summer Interdisciplinary Conference, Cavalese, Italy.
5. 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]
6. Lombrozo, T. & Rutstein, J.J. (2004, August). *Simplicity in explanation*. Poster presented at the Annual Conference of the Cognitive Science Society, Chicago, IL.
7. Lombrozo, T. (2005, July). *Why adaptationist explanations are so seductive*. Poster presented at the Annual Conference of the Cognitive Science Society, Stresa, Italy.
8. 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.
9. 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.
10. 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.
11. 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. Lombrozo, T. (2008, August). *The effects of intentions and functions on causal judgments*. Paper presented at the Sixth International Conference on Thinking, Venice, Italy.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. Lombrozo, T. (2009, November). *Mechanistic and teleological explanations in inference*. Talk presented at the Annual Meeting of the Psychonomic Society, Boston, Massachusetts.
26. 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.]

27. 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.
28. 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.
29. 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.
30. Lombrozo, T. (2010, August). *Causal-explanatory pluralism*. Talk presented at the Annual Summer Interdisciplinary Conference, Bend, OR.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. Lombrozo, T. (2011, April). *Evidence for two concepts of causation*. Talk presented at the Pacific Meeting of the American Philosophical Association, San Diego, CA.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.

43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. 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.



58. 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.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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.
70. Lombrozo, T. (November, 2015). *Learning by explaining*. Invited talk presented at Psychonomic Society Leading Edge workshop on *The Process of Explanation*, Champaign, IL.
71. 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.
72. 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.
73. Lombrozo, T. (August, 2016). *The significance of a guilty mind*, talk presented at the

- International Conference on Thinking (ICT)*, Providence, RI.
74. Lombrozo, T. (August, 2016). Explaining for the best inference, talk presented at the *International Conference on Thinking (ICT)*, Providence, RI.
  75. Lombrozo, T. (December, 2016). Explaining for the best inference, talk presented at the *Arizona State University Experimental Philosophy Conference*, Sedona, AZ.
  76. 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.
  77. 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.
  78. 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).

## 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
- 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, 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, Memory & Cognition, Metacognition & Learning, Mind & Language, 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

*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 workshop at Princeton University titled “What is Belief?” June 13-15, 2022, Princeton, NJ.

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

Member of APS Janet Taylor Spence Award Committee, 2021-2023  
Member of APS Board, 2021-2023  
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, 2015-2022  
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).

## **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)