

## TANIA LOMBROZO

*Curriculum Vitae*

January 2016

### CONTACT INFORMATION

Department of Psychology  
UC Berkeley  
3210 Tolman Hall  
Berkeley, CA 94720

E-mail: lombrozo@berkeley.edu  
Phone: 510-642-7145

### 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 (with distinction), Stanford University, Stanford, CA.  
B.A. in Philosophy (with distinction), Stanford University, Stanford, CA.  
Thesis: *Optimality and teleology in adaptationist explanations of cognition.*  
(Advisor: Peter Godfrey-Smith)

### PROFESSIONAL POSITIONS

- 2013 – 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

- American Psychological Association (APA) Distinguished Scientific Award for Early Career contributions to psychology, to be 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. Rhinelandt 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**

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. 8/1/2015-7/31/2016. “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, 1/1/2012-12/31/2017. “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. 4/15/2011-3/31/2016. “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*

#### **Books (including edited volumes)**

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

### **Refereed journal articles**

1. 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
2. **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
3. **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
4. **Lombrozo, T.** & Carey, S. (2006). Functional explanation and the function of explanation. *Cognition, 99*, 167-204. doi: 10.1016/j.cognition.2004.12.009
5. **Lombrozo, T.** (2006). The structure and function of explanations. *Trends in Cognitive Sciences, 10*, 464-470. doi: 10.1016/j.tics.2006.08.004
6. **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
7. **Lombrozo, T.** (2007). Simplicity and probability in causal explanation. *Cognitive Psychology, 55*, 232-257. doi: 10.1016/j.cogpsych.2006.09.006
8. **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
9. **Lombrozo, T.** (2009). Explanation and categorization: how "why?" informs "what?" *Cognition, 110*, 248-253. doi: 10.1016/j.cognition.2008.10.007
10. **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
11. \*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.]
12. \*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
13. **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
14. **Lombrozo, T.** (2011). The instrumental value of explanations. *Philosophy Compass, 6*, 539-551. doi: 10.1111/j.1747-9991.2011.00413.x
15. \*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

16. \*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
17. **Lombrozo**, T. & Rehder, B. (2012). Functions in biological kind classification. *Cognitive Psychology*, *65*, 457-485. doi: 10.1016/j.cogpsych.2012.06.002
18. \*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
19. \*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
20. 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
21. 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
22. \*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
23. **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
24. \*Wilkenfeld, D., \*Plunkett, D. & **Lombrozo**, T. (2015). Depth and deference: when and why we attribute understanding. *Philosophical Studies*. doi: 10.1007/s11098-015-0497-y
25. \*Ruggeri, A. & **Lombrozo**, T. (2015). Children adapt their questions to achieve efficient search. *Cognition*, *143*, 203-216.
26. \*Wilkenfeld, D. & **Lombrozo**, T. (2015). Inference to the best explanation (IBE) vs. Explaining for the best inference (EBI). *Science and Education*, *24*, 1059-1077.
27. \*Murray, D. & **Lombrozo**, T. (In press). Effects of manipulation on attributions of causation, free will, and moral responsibility. *Cognitive Science*.
28. \*Walker, C., \*Williams, J.J., \*Rafferty, A., **Lombrozo**, T., & Gopnik, A. (In press). Explaining constrains causal learning in childhood. *Child Development*.

### **Book and handbook chapters**

29. 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.
30. **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.
31. \*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.

32. **Lombrozo, T.** (forthcoming). Explanation. In J. Sytsma & W. Buckwalter (Eds.), *Blackwell Companion to Experimental Philosophy*. Blackwell.
33. Shtulman, A. & **Lombrozo, T.** (forthcoming). Bundles of contradiction: a co-existence view of conceptual change. In D. Barner & A. S. Baron (Eds.), *Core knowledge and conceptual change*. Oxford, UK: Oxford University Press.
34. **Lombrozo, T.**, & \*Vasilyeva, N. (forthcoming). Causal explanation. In M. Waldmann (Ed.), *Oxford Handbook of Causal Reasoning*. Oxford, UK: Oxford University Press.

### Reviews, commentaries, and other publications

35. **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
36. **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
37. 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
38. 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
39. **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
40. **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 conference papers

41. **Lombrozo, T.** (2004). Causal constraints and regularities. *Proceedings of the 30th Annual Conference of the Society for Philosophy and Psychology*.
42. **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.
43. **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*.
44. **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*.
45. **Lombrozo, T.** (2008). The role of moral theories in moral judgment. *Proceedings of the 34th Annual Conference of the Society for Philosophy and Psychology*.

46. \*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).
47. \*Williams, J.J. & **Lombrozo**, T. (2009). Explaining promotes discovery: evidence from category learning. *Proceedings of the 35<sup>th</sup> Annual Conference of the Society for Philosophy and Psychology*.
48. \*Uttich, K. & **Lombrozo**, T. (2009). Moral norms inform mental state ascriptions: an alternative explanation for the side-effect effect. *Proceedings of the 35<sup>th</sup> Annual Conference of the Society for Philosophy and Psychology*.
49. \*Williams, J.J. & **Lombrozo**, T. (2009). Explaining promotes discovery: evidence from category learning. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31<sup>st</sup> Annual Conference of the Cognitive Science Society* (pp. 1186-1191). Austin, TX: Cognitive Science Society.
50. \*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 31<sup>st</sup> Annual Conference of the Cognitive Science Society* (pp. 1096-1101). Austin, TX: Cognitive Science Society.
51. \*Williams, J.J., & **Lombrozo**, T. (2010). Explanation constrains learning, and prior knowledge constrains explanation. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 2912-2917). Austin, TX: Cognitive Science Society.
52. \*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 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 2906-2911). Austin, TX: Cognitive Science Society.
53. \*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 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 1301-1306). Austin, TX: Cognitive Science Society.
54. \*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 33<sup>rd</sup> Annual Conference of the Cognitive Science Society* (pp. 1352-1357). Austin, TX: Cognitive Science Society.
55. \*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 34<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1149-1154). Austin, TX: Cognitive Science Society.
56. \*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 34<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1114-1119). Austin, TX: Cognitive Science Society.
57. \*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 35<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 3777-3782). Austin, TX: Cognitive Science Society.

58. \*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.
59. \*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.
60. \*Pacer, M., \*Williams, J.J., Xi, C., **Lombrozo**, T., & Griffiths, T. L. (2013). Evaluating computational models of explanation using human judgments. *Proceedings of the Twenty-Ninth Conference on Uncertainty in Artificial Intelligence* (pp. 498-507).
61. \*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 36<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 445-450). Austin, TX: Cognitive Science Society.
62. \*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 36<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1335-1340). Austin, TX: Cognitive Science Society.
63. \*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 36<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1180-1185). Austin, TX: Cognitive Science Society.
64. \*Williams, J.J., Kovacs, G., \*Walker, C., Maldonado, S.G., & **Lombrozo**, T. (2014). Learning online via prompts to explain. *32<sup>nd</sup> Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems*.
65. \*Giffin, C.E. & **Lombrozo**, T. (2015). Mental states are more important in evaluating moral than conventional violations. *Proceedings of the 37<sup>th</sup> Annual Conference of the Cognitive Science Society*.
66. \*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 37<sup>th</sup> Annual Conference of the Cognitive Science Society*.
67. \*Vasilyeva, N.Y. & **Lombrozo**, T. (2015). Explanations and Causal Judgments are Differentially Sensitive to Covariation and Mechanism Information. *Proceedings of the 37<sup>th</sup> Annual Conference of the Cognitive Science Society*.
68. \*Vasilyeva, N.Y., \*Wilkenfeld, D., & **Lombrozo**, T. (2015). Goals Affect the Perceived Quality of Explanations. *Proceedings of the 37<sup>th</sup> Annual Conference of the Cognitive Science Society*.

### Manuscripts under review

1. \*Edwards, B.J., \*Williams, J.J., **Lombrozo**, T., & Gentner, D. Explanation recruits comparison: insights from a category-learning task.
2. \*Giffin, C. & **Lombrozo**, T. Knowing what you're doing: Mental states are more important in evaluating moral violations than conventional violations.
3. \*Gottlieb, S. & **Lombrozo**, T. Folk theories in the moral domain.

4. \*Pacer, M. & **Lombrozo**, T. Occam's razor cuts to the root: simplicity in causal explanation.
5. \*Vasilyeva, N., \*Wilkenfeld, D., & **Lombrozo**, T. Contextual utility affects the perceived quality of explanations.
6. \*Walker, C., \*Bonawitz, E., & **Lombrozo**, T. Effects of explaining on young children's preference for simplicity.
7. \*Wilkenfeld, D., \*Plunkett, D., & **Lombrozo**, T. Folk attributions of understanding: Is there a role for epistemic luck?

#### **Selected manuscripts in preparation or in revision**

8. \*Giffin, C. & **Lombrozo**, T. Wrong or merely prohibited: Special treatment of strict liability crimes in folk judgments.
9. \*Gottlieb, S., Keltner, D., & **Lombrozo**, T. Awe as a scientific emotion.
10. **Lombrozo**, T. 'Learning by thinking' in science and in everyday life.
11. **Lombrozo**, T., \*Bonawitz, L.B., & \*Brooke, N.R. Asymmetries in young children's learning of teleological and mechanistic explanations.
12. \*Plunkett, D., **Lombrozo**, T., & Buchak, L. When and why people think scientific explanations for the origins of belief are "debunking."
13. \*Ruggeri, A., **Lombrozo**, T., Griffiths, T.L., & Xi, F. Sources of developmental change in the efficiency of information search.
14. \*Uttich, K. & **Lombrozo**, T. Norms as explanations for behavior.
15. \*Uttich, K., \*Tsai, G., & **Lombrozo**, T. Ethical explanations, moral objectivity, and moral progress.
16. \*Walker, C. & **Lombrozo**, T. Explaining the moral of the story.

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

17. **Lombrozo**, T. (2009). Should teachers try to get students to *understand* or *accept* evolution? *Science & Religion Today*. Retrieved from <http://www.scienceandreligiontoday.com>
18. **Lombrozo**, T. (2012). Defeasibility. In J. Brockman (Ed.), *This Will Make You Smarter* (pp. 336-337). New York, NY: Harper Perennial.
19. **Lombrozo**, T. (2013). Realism and other metaphysical half-truths. In J. Brockman (Ed.), *This Explains Everything*. New York, NY: Harper Perennial.
20. **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>.
21. **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.
22. **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.
23. **Lombrozo**, T. (2014). Women, power, and prestige. *Chronicle of Higher Education*, November 7.

24. **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.

### **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 – present. (>100 posts)

## **PRESENTATIONS**

### **Colloquia and Invited Talks**

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. Lombrozo, T. (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.

### **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.

## PROFESSIONAL ACTIVITIES

### Editorial and reviewing

Editorial Board Member, *Psychological Science*, 2012-present  
 Program Committee Member, Annual Conference of the Cognitive Science Society, 2006, 2007, 2008, 2009, 2010  
 Editorial Board Member, *Evolution: Education and Outreach*, a journal on evolution and evolution education, 2007-present  
 Editorial Board Member, *Cognition*, an international journal of cognitive science, 2008-present  
 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, Behavioral and Brain Sciences, Child Development, Cognition, Cognitive, Affective, & Behavioral Neuroscience, Cognitive Development, Cognitive Processing, Cognitive Psychology, Cognitive Science, Consciousness & Cognition, Current Directions in Psychological Science, European Journal of Cognitive Psychology, Ergo, Frontiers in Psychology, Journal of Cognition and Development, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General, Journal of Experimental Psychology:*

*Learning, Memory, & Cognition, 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, Psychological Bulletin, Psychological Review, Psychological Science, 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: National Research Council

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

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

*Ad hoc* reviewing for publishers: Oxford University Press, Sage Publications, Worth Publishers, Continuum International Publishing Group

**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.

**Professional societies**

Member of Rumelhart Prize Committee, 2015-2020

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

Diversity Committee Member, Society for Philosophy and Psychology, 2008 – present.  
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 – present  
Talks for general audiences, including Marin Academy (2012), LitQuake (2013), LASER (2013, 2014).

## **TEACHING**

### **Undergraduate Courses**

Basic Issues in Cognition (*Psych 120/CogSci 100, 3 units*), *Fall 2007, Fall 2009, Spring 2013, Spring 2015*

The Psychology of Religious and Scientific Explanations (*Psych 24, 1 unit*), *Fall 2008*  
Learning by Thinking (*Psych 128, 3 units*), *Spring 2009*

The Cognitive Science of Supernatural Belief (*Psych 128, 3 units*), *Fall 2010*

Sense & Sensibility & Science (*L&S22, 3 units*), *Spring 2016*

### **Graduate Courses**

Theoretical Issues in the Study of Concepts (*Psych 290Q, 2 units*), *Spring 2007*

Explanation and Cognition (*Psych 290Q, 2 units, co-instructor: Alison Gopnik*), *Fall 2007*

Foundations of Cognition (*Psych 210E, 3 units, co-instructor: Thomas Griffiths*), *Spring 2008, Spring 2010, Fall 2013, Fall 2015*

New Directions in the Study of Concepts (*Psych 290Q, 2 units, co-instructor: Eleanor Rosch*), *Fall 2008*

Learning by Thinking (*Psych 290Q, 2 units*), *Spring 2009*

Concepts: Philosophical and Psychological Perspectives (*Psych 290Q, 2 units, co-instructor: Hannah Ginsborg*), *Fall 2009*

The Cognitive Science of Supernatural Belief (*Psych 290Q, 2 units*), *Fall 2010*