

Curriculum Vitae

DEBORAH A. KELEMEN

Office: Department of Psychology, Boston University, 64 Cummington Mall, Boston, MA 02215.

Phone: (617) 353-2758, *Email:* dkelemen@bu.edu,

URLs: <http://www.bu.edu/childcognition/> and <http://www.evolvingmindsproject.org>

Education

Ph.D., Cognitive Psychology, Minor: Cognitive Science, University of Arizona, 1996.
Advisor: Paul Bloom. Dissertation: *The Nature and Development of the Teleological Stance.*

M.A., Cognitive Psychology, University of Arizona, 1992.
Thesis: *The Effects of Domain-Specific Knowledge on Similarity Judgments.*

B.A. (Hons), Psychology, 1988, University of Manchester, England.

Professional Experience

Professor, Department of Psychological and Brain Sciences,
Boston University, 2013 -

Visiting Fellow, Birkbeck College, University of London, June 2008 - September, 2008

Associate Professor, Department of Psychology,
Boston University, 2006 – 2013 (maternity leave May 2005 - January 2006).

Assistant Professor, Department of Psychology,
Boston University, 2000 - 2006.

Assistant Professor, Department of Psychology,
The Pennsylvania State University, 1997 - 2000.

Postdoctoral Research Fellow and Research Director with Ann Brown,
Graduate School of Education, University of California, Berkeley, 1996 - 1997

Research Interests

Cognitive Development with particular emphasis on conceptual development: conceptual constraints on intuitive, scientific, and religious theory-formation, children's reasoning about nature, object categorization, social learning, moral cognition, cultural and individual differences in cognition, conceptual change and early science instruction.

Selected Recent Professional Activities

Board Member, Cognitive Development Society, 2015 – 2022
Co-chair, Cognitive Development Society Reznick Early Career Award Committee, 2020 – 2022
Conference Review, Cognitive Science Society, 2021
Conference Review, Society for Research in Child Development, 2021
Chair, Cognitive Development Society Steve Reznick Early Career Award Committee, 2018 – 2019
Lunch with the Leaders, Society for Research in Child Development, 2019
Reviewer, Society for Philosophy & Psychology, 2018, 2019.
Senior International Mentoring Event, Cognitive Science Society, 2017.
Elementary Science Group, Massachusetts Science Education Leadership Association, 2018.
Preconference Program Committee, Meeting of the Cognitive Development Society, 2017.
Conference Program Committee, Meeting of the Cognitive Development Society, 2016 - 2017.
Awards Committee, Association for Psychological Science, 2013 – 2016.
Editorial Boards, *Review of General Psychology*, *British Journal of Developmental Psychology*, *Religion, Brain, and Behavior*.
Grant Review / Panel Member, National Science Foundation (NSF), Natural Sciences and Engineering Research Council of Canada (NSERC), Canadian Social Science Foundation (SSHRC), Oxford University, National Council for Scientific Research Government of Romania, Israeli Science Foundation, John Templeton Foundation, Templeton World Charity Foundation, Research Foundation Flanders (FWO, Belgium), University of Ghent Research Foundation

Memberships

Association for Psychological Science, Cognitive Development Society, National Association for Research in Science Teaching, Massachusetts Science Educational Leadership Association, Society for Research in Child Development,

Grants and Funding

Ting, F. & Kelemen, D. (2021). *COVID-19 Postdoctoral supplement to RAPID: Collaborative Research: Designing an educational intervention to address misconceptions about COVID-19*. National Science Foundation. Funded 2021-2023 (\$92,549).

Ting, F. & Kelemen, D. (2021). *How children evaluate the social and moral standing of individuals with physical disabilities*. Boston University Diversity and Inclusion Award, Funded 2022-2023 (\$5000).

Clegg, J. (PI), Corriveau, K. & Kelemen, D. (Co-PIs). *Natural and supernatural representations in non-religious households*. John Templeton Foundation. Funded 2021-2023 (\$258,000).

Kelemen, D., Coley, J. (Joint PIs) & Ronfard, S. (Co-PI). *RAPID: Collaborative Research: Designing an educational intervention to address misconceptions about COVID-19*. National Science Foundation. Funded 2020-2022 (\$99,155).

Kelemen, D. (PI) & Puttick, G. (Co-PI). *Promoting causal-explanatory teaching and learning of biological evolution in elementary school*. National Science Foundation. Funded 2020-2024 (\$2,994,263).

Sa Pinto, A. (PI), Pinto, J. (Co-PI) & Kelemen, D. (Team Investigator). *Can non-formal education contexts boost changes in formal education? Science centers impacts on elementary school teachers' professional development*. Proposal submitted to the Fundação para Ciência e a Tecnologia, Portuguese Ministry of Education and Science (198,774.29Euros).

Brown, D. (PI) & Kelemen, D. (Sponsor). *Impacts of exploration on instruction on counterintuitive concepts*. Proposal to the National Academy of Education / Spencer Foundation Postdoctoral Fellowship (\$70,000). Proposal received Honorable Mention. Invitation to resubmit in next cycle.

Kelemen, D. (PI). *Evolving minds in elementary school: Foundations for a learning sequence on natural selection using stories*. National Science Foundation, Funded Sept 2016 – 2021 (\$1,498,539).

Kelemen, D. (PI). *Evolving Minds: Children's learning of natural selection from picture books*. National Science Foundation (REESE). Funded September, 2010 - 2015 (\$1,141,499).

Adena Schachner (PI), Sponsor: Deborah Kelemen. *Artifacts as windows to others minds: Social reasoning in typical and ASD children*. National Institutes of Health, Ruth L. Kirschstein National Research Service (Post-Doctoral) Award (NRSA) Funded August 2013 (\$140,482).

Kelemen, D. (Partner). *The evolution of religion and morality*. Canadian Social Sciences and Humanities Research Council (SSHRC) Partnership Grant to University of British Columbia (Slingerland, E., Principal Investigator). *Partner / Consultant*.

Kelemen, D. (PI). *Teleological and intentional reasoning about the natural world*. (\$142,653 sub-award to: *Is religion natural? The Chinese challenge*. Templeton World Charities Foundation to Justin Barrett (PI), Oxford University/ Fuller Graduate School of Psychology. Funded October, 2011 - January 2014 (Total Award: £1,653,516).

PI: Rottman, J. National Science Foundation Graduate Research Fellowship (Kelemen, D., Faculty sponsor), Funded July, 2010- June 2014 (\$105,000).

Kelemen, D. (Principal Investigator). *The development of children's teleo-functional bias: Supplementary award*. National Science Foundation. Funded August, 2009 (\$83,314).

Kelemen, D. (Principal Investigator). *Purpose in mind: Exploring the natural foundations of religion in children and professional scientists*. Cognition, Religion and Theology Project Grant, University of Oxford (Sir John Templeton Foundation). Funded Sept, 2008 - Aug, 2010 (\$94,127).

Kelemen, D. (Principal Investigator). *The development of children's teleo-functional bias: Supplementary award*. National Science Foundation. Funded Sept, 2007 - Jan, 2009 (\$63,365).

Kelemen, D. (Principal Investigator). *The development of children's teleo-functional bias*. National Science Foundation. Funded January, 2006 - January, 2009 (\$511,309).

Kelemen, D. (Group member). *Religious and psychological well-being*. Templeton Foundation Grant, Daniels Institute, Boston University. Funded September, 2007 - December, 2009.

Kelemen, D. (Principal Investigator). *Tool use, artifact concepts and the human function compunction*. Boston University SPRiNG Competition Award. Funded January, 2005 - December, 2005 (\$20,000).

Kelemen, D. (Principal Investigator). *Children's teleological view of artifacts*. National Institute of Child Health and Human Development. Funded August, 1999 - July, 2003 (\$122,000).

Kelemen, D. (Principal Investigator). *Children's Teleological Beliefs about Artifact Function*. Penn State Research and Graduate Studies Award. Funded January, 1999 - June, 1999 (\$8,000).

Publications

Books and Website

Kelemen, D. and The Child Cognition Lab (Exp. 2021). *How the Piloses Evolved: Meet the Miroungas!* (A storybook about speciation by natural selection). In preparation for trade publication. Tumblehome Learning: Boston MA.

Kelemen, D. and The Child Cognition Lab (2017, June). *How the Piloses Evolved Skinny Noses* (A storybook about adaptation by natural selection). Tumblehome Learning: Boston MA, ISBN: 978-1-943431-26-7.

Kelemen, D. and The Child Cognition Lab (2018, June). *How the Dormacks Evolved Long Backs* (A storybook about adaptation by natural selection). Tumblehome Learning: Boston MA. ISBN: 978-1-943431-27-4.

Evolving Minds Project Teacher & Parent Resource Site (2018): <http://www.evolvingmindsproject.org>

Research Articles

(NB: From 2012, I adopted the growing convention of placing myself last on multi-authored publications from my lab. This does not signal honorary authorship status in any way).

Kelemen, D., Brown, S.A. & Pizza, L. (2022). Don't bug me! The role of labels, functions, and feelings in shaping children's and adults' conservation attitudes about unappealing species. *In submission*

Lewry, C., Kelemen, D., & Lombrozo, T. (2022). From teleology to morality: Why belief in human purpose prompts moral condemnation of individuals who fail to fulfill those purposes. *In submission*.

- 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 43rd (Virtual) Annual Meeting of Cognitive Science Society*.
- Pesowski, M., Kelemen, D. & Schachner, A. (2021). Children use artifacts to infer others' shared interests. *Proceedings of the 43rd (Virtual) Annual Meeting of Cognitive Science Society*.
- Kelemen, D., Emmons, N., Brown, S.A. & Gallik, C. (2021). Beliefs about origins and eternal life: How easy is formal religious theory development. *Journal of Cognition and Development*, 22, 356-378, doi: 10.1080/15248372.2021.1909031
- Ronfard, S., Brown, S., Doncaster, E & Kelemen, D. (2021). Inhibiting intuition: Scaffolding children's theory construction about species evolution in the face of competing explanations. *Cognition*, 211, 104635, doi: 10.1016/j.cognition.2021.104635
- Rottman, J., Young, L., Blake, P. R., Zizik, V., Minard, K. & Kelemen, D. (2020). The moral, or the story?: Changing children's distributive justice preferences through social communication. *Cognition*, 205, <https://doi.org/10.1016/j.cognition.2020.104441>
- Brown, S.A., Ronfard, S. & Kelemen, D. (2020). Teaching natural selection in early elementary classrooms: Can a storybook intervention reduce teleological misunderstandings? *Evolution: Education and Outreach*, 13. ISSN: 1936-6434
- Kelemen, D. (2019). The magic of mechanism: Explanation-based instruction on counter-intuitive concepts in early childhood. *Perspectives on Psychological Science*, 14, 1-13. <https://doi.org/10.1177/1745691619827011>
- Järnefelt, E., Zhu, L., Canfield, C. F. & Kelemen, D. (2019). Reasoning about nature's agency and design in the Chinese cultural context. *Religion, Brain and Behavior*, 9, 156-178, doi: 10.1080/2153599X.2018.1449137
- Ronfard, S., Zambrana, I., Hermansen, T., & Kelemen, D. (2018). Question-asking in childhood: A review of the literature and a framework for understanding development. *Developmental Review*, 49, 101-120. doi.org/10.1016/j.dr.2018.05.002
- Swiney, L., Kelemen, D., Shtulman, A., Coley, J., & Blancke, S. (2017). Intuitive biology and global challenges: Applying theoretical insights for public good. *Proceedings of the Cognitive Science Society*, 33-35. 0ISBN:78-0-9911967-6-0
- Emmons, N., Lees, K., & Kelemen, D. (2017). Near and far transfer of the basic theory of natural selection using an analogical storybook intervention in early elementary classrooms. *Journal of Research in Science Teaching*, 55, 321-347. doi: 10.1002/tea.21421
- Schachner, A., Zhu, L., Li, J., & Kelemen, D. (2017). Is the bias for function-based explanations culturally universal? Children from China endorse teleological explanations of natural phenomena. *Journal of Experimental Child Psychology*, 157, 29-48. doi:/10.1016/j.jecp.2016.12.006

- Rottman, J., Young, L., & Kelemen, D. (2017). The impacts of testimony on children's moralization of novel actions. *Emotion, 17*, 811-827, doi:10.1037/emo0000276.
- Rottman, J., Zhu, L., Wang, W., Seston Schillaci, R., Clark, K. J. & Kelemen, D. (2016). Cultural influences on the teleological stance: Evidence from China. *Religion, Brain and Behavior, 1-10*. doi:10.1080/2153599X.2015.1118402.
- Emmons, N., Smith H., & Kelemen, D. (2016). Changing minds with the story of adaptation: Strategies for teaching young children about adaptation. *Early Education and Development, 27*, 1-17, doi:10.1080/10409289.2016.1169823.
- Reprinted in: Marshall, P & Brenneman, K. (2018) *Young Children's Developing Understanding of the Biological World*. Routledge, New York, ISBN: 978-1-138-56463-3
- Emmons, N. & Kelemen, D. (2015). Young children's acceptance of within-species variation: Implications for essentialism and the teaching of evolution. *Journal of Experimental Child Psychology, 139*:148-60. doi: 10.1016/j.jecp.2015.05.011.
- Järnefelt, E., Ford Canfield, C. & Kelemen, D. (2015). Divided mind of a disbeliever: Intuitive beliefs about nature as purposefully created among different groups of non-religious adults. *Cognition, 140*, 72-88. doi:10.1016/j.cognition.2015.02.005
- Rottman, J., Kelemen, D. & Young, L. (2015). Hindering harm and preserving purity: How can moral psychology save the world? *Philosophy Compass, 10*(2), 134–144. doi:10.1111/phc3.12195
- Emmons, N. & Kelemen, D. (2015). I've got a feeling: Urban and rural indigenous children's beliefs about early life mentality. *Journal of Experimental Child Psychology, 138*, 106-25. doi: 10.1016/j.jecp.2015.05.001.
- Kelemen, D., Emmons, N., Seston, R. & Ganea, P. (2014). Young children can be taught basic natural selection from picture storybooks. *Psychological Science, 25*(4):893-902. doi: 10.1177/0956797613516009.
- Rottman, J., Kelemen, D. & Young, L. (2014). Purity matters more than harm in moral judgements of suicide: Response to Gray. *Cognition, 133*(1), 332–334. doi:10.1016/j.cognition.2014.06.008
- Emmons, N. & Kelemen, D. (2014). The development of children's pre-life reasoning: Evidence from two cultures. *Child Development, 85*(4) 1617-1633. doi: 10.1111/cdev.12220.
- Rottman, J. & Kelemen, D. (2014). The morality of martyrdom and the stigma of suicide. *Behavioral and Brain Sciences, 37*, 375-6. DOI: 10.1017/S0140525X13003476
- Rottman, J., Kelemen, D. & Young, L. (2014). Tainting the soul: Purity concerns predict moral judgments of suicide. *Cognition, 130*, 217-226. Published online Nov 7, 2013, DOI:10.1016/j.cognition. 2013.11.007
- Seston Shillaci, R. & Kelemen, D. (2013). Children's conformity when acquiring novel

- conventions: The case of artifacts. *Journal of Cognition and Development*, 15, 569-583. Published Online, April 2, 2013. DOI: 10.1080/15248372.2013.784973
- Kelemen, D., Rottman, J., & Seston, R. (2012). Professional physical scientists display tenacious teleological tendencies. Purpose-based reasoning as a cognitive default. *Journal of Experimental Psychology: General*, 142, 1074-1083. DOI:10.1037/a0030399
- Rottman, J. & Kelemen, D. (2012). Aliens behaving badly: Children's acquisition of novel purity-based morals. *Cognition*, 124, 356-360.
- Rottman, J. & Kelemen, D. (2012). Is there such a thing as a Christian child: Evidence of religious beliefs in early childhood. In P. McNamara and W. Wildman (Eds.), *Science and the world's religions*. Santa Barbara: Clio Press.
- Kelemen, D., Seston, R., & St Georges, L. (2012). The designing mind: Children's reasoning about intended function and artifact structure. *Journal of Cognition and Development*, 4, 439-453, Epub, December, 2011.
- Phillips, B., Seston, R., & Kelemen, D. (2012). Learning about tool categories via eavesdropping. *Child Development*, 83, 2057-2072.
- Kelemen, D. (2011). Teleological minds: How natural intuitions about agency and purpose influence learning about evolution. In K. Rosengren, S. K. Brem, E. M. Evans, and G. M. Sinatra (Eds.), *Evolution challenges: Integrating research and practice in teaching and learning about evolution*. Oxford: Oxford University Press.
- Donovan, E. & Kelemen, D. (2010). Just rewards: Children and adults equate accidental inequity with intentional unfairness. *Journal of Cognition and Culture*, 11, 137-150.
- Kelemen, D. & Rosset, E. (2009). The Human Function Compunction: Teleological explanation in adults. *Cognition*, 111, 138-143.
- Dennis, T.A. & Kelemen, D. (2009). Children's views on emotion regulation: Functional links and implications for socio-emotional adjustment. *International Journal of Behavioral Development*, 33, 243-252.
- Casler, K. & Kelemen, D. (2008). Developmental continuity in the teleo-functional bias: Reasoning about nature among Romanian Roma adults (Gypsies). *Journal of Cognition and Development*. 9, 340-362.
- DiYanni, C. & Kelemen, D. (2008). Using a bad tool with good intention: Young children's imitation of adults' questionable choices. *Journal of Experimental Child Psychology: Special Issue on Imitation*, 101, 241-261.
- Casler, K. & Kelemen, D. (2007). Reasoning about artifacts at 24 months: The developing teleo-functional stance. *Cognition*, 103, 120-130.

- Kelemen, D. & Carey, S. (2007). The essence of artifacts: Developing the design stance. In S. Laurence and E. Margolis (Eds.) *Creations of the Mind: Theories of artifacts and their representation*. Oxford: Oxford University Press.
- Kelemen, D. & Carey, S. (2007). Az artefaktumok (eszközök) esszenciája. A tervezeti hozzáállás kialakulása. *Magyar Pszichológiai Szemle*, 62, 131-59.
- 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.
- Casler, K. & Kelemen, D. (2005). Young children's rapid learning about artifacts. *Developmental Science*, 8, 472-480.
- DiYanni, C. & Kelemen, D. (2005). Time to get a new mountain? The role of function in children's conceptions of natural kinds. *Cognition*, 97, 325-335.
- Kelemen, D., Callanan, M., Casler, K., & Pérez-Granados, D. R. (2005). Why things happen: Teleological explanation in parent-child conversations. *Developmental Psychology*, 41, 251-264.
- Kelemen, D. & DiYanni, C. (2005). Intuitions about origins: Purpose and intelligent design in children's reasoning about nature. *Journal of Cognition and Development*, 6, 3-31.
- Kelemen, D. (2004). Counterintuition, existential anxiety, and religion as a by-product of the designing mind. *Behavioral and Brain Sciences*, 27, 739-740.
- Kelemen, D. (2004). Are children "intuitive theists"? Reasoning about purpose and design in nature. *Psychological Science*, 15, 295-301. Reprinted in Wilkins, J.S. (Ed) *Intelligent design and religion as a natural phenomenon* (2010). Ashgate Press.
- Kelemen, D. (2003). British and American children's preferences for teleological-functional explanations of the natural world. *Cognition*, 8, 201-221.
- Kelemen, D., Widdowson, D., Posner, T., Brown, A.L. & Casler, K. (2003). Teleo-functional constraints on preschool children's reasoning about living things. *Developmental Science*, 6, 329-345.
- Kelemen, D. (1999d). Beliefs about purpose: On the origins of teleological thought. In M. Corballis and S. Lea (Eds.). *The Descent of Mind*. Oxford: Oxford University Press.
- Kelemen, D. (1999c). Functions, goals and intentions: Children's teleological reasoning about objects. *Trends in Cognitive Sciences*, 12, 461-468.
- Kelemen, D. (1999b). Why are rocks pointy?: Children's preference for teleological explanations of the natural world. *Developmental Psychology*, 35, 1440-1453.
- Kelemen, D. (1999a). The scope of teleological thinking in preschool children. *Cognition*, 70, 241-272.

- Bloom, P. & Kelemen, D. (1995). Syntactic cues in the acquisition of collective nouns. *Cognition*, 56, 1-30.
- Bloom, P., Kelemen, D., Fountain, A., & Courtney, E. (1995). The acquisition of collective nouns. In D. MacLaughlin and S. McEwen (Eds.), *The Proceedings of the 19th Boston University Conference on Language Development*. Cascadilla Press.
- Bloom, P. & Kelemen, D. (1995). Syntactic and conceptual factors in the acquisition of collective nouns. In E. Clark (Ed.), *The Proceedings of the Twenty-Sixth Annual Child Language Research Forum*. Stanford: CSLI.
- Kelemen, D. & Bloom, P. (1994). Domain-specific knowledge in simple categorization tasks. *Psychonomic Bulletin & Review*, 1, 390-395.
- Manstead, A. S. R., Parker, D., Stradling, S. G., Reason, J. T., Baxter, J. S., & Kelemen, D. (1992). Perceived consensus in estimates of the prevalence of driving errors and violations. *Journal of Applied Social Psychology*, 22, 509-530.

Sample Media Coverage

- The Brink, Boston University, Bostonia & AAU, Jessica Colarossi, *Don't undersell the facts: Why kids deserve accurate coronavirus information*, June, 2020 & December 2020.
- News@Northeastern, Roberto Molar Candanosa. *COVID-19 Misconceptions are hard to fight. Cognitive psychology might help*, July 2020.
- Eos Wetenshap European Science Magazine, Griet Vandermassen. *Children learning from science storybooks*. Sept, 2018.
- BBC Radio 4 Start the Week with Andrew Marr, *From Darwin to Big Data* discussion with Richard Dawkins, Deb Kelemen, Cathy O'Neil and Alex Bellos, July 2017.
- BBC World Service Weekend, *Teaching young children evolution with picture books*, July 2017.
- The Guardian, *Evolution makes scientific sense. So, why do so many people reject it?* March, 2016
- The Times of London, Oliver Moody. *Put to the test, even atheists believe in God*. April, 2015.

Presentations: Peer Reviewed Symposia and Presentations at Professional Meetings

- Ronfard, S., Tasabehji, F., & Kelemen, D. (2022). *Explanations shape children's explorations of children's surprising claims*. Talk for the Explanation and Evidence conference, Queens University, Canada.
- Brown, S.A., Gatzionis, N., Pitt, E., Mather, A., Li, A. & Kelemen, D. (2022). *Elementary school teachers' views of young children's capacity to learn complex scientific concepts*. Poster presented at the Meeting of the Cognitive Development Society, Madison, WI.

- Pizza, L. & Kelemen, D. (2022, April). *Are humans part of the natural world?: Children's concept of nature and its role in promoting environmental concern*. Poster presented at the Meeting of the Cognitive Development Society, Madison, WI.
- Ko, J. Mbarki, R., Shah, S., Ting, F, Ronfard, S. & Kelemen, D. (2021, Nov). *Children's understanding of COVID19 vaccines*. Poster presented at the 2021 Virtual Harvard Women in Psychology, Trends in Psychology Summit.
- Lewry, C., Kelemen, D., & Lombrozo, T. (2021, July). *Why belief in species function affects moral evaluation of individuals*. Paper presented at the Virtual Meeting of the Society for Philosophy and Psychology.
- DeLeon, A., Gomez, M., Kelemen, D., Corriveau, K., & Clegg, J. (2021, May). *Did someone make tigers? Do children raised in secular households display the intentional design bias?* Poster presented at the Virtual Meeting of the Association for Psychological Science.
- DeLeon, A. Gomez, M., Kelemen, D., Corriveau, K., Clegg, J. (2021, April). *Examining intentional design bias in children raised in secular households*. Poster presented at the Texas State University Department of Psychology Digital Student Showcase.
- Lewry, C., Kelemen, D. & Lombrozo, T. (2021, Feb). *Why belief in species purpose prompts moral condemnation of individuals who fail to fulfill that purpose*. Paper presented at the 2021 Virtual Meeting of the Cognitive Science Society.
- Brown, S.A., Ronfard, S., Doncaster, E., & Kelemen, D. (2021, April). *Ready to learn: Features of children's intuitive theories about evolution predict subsequent learning*. Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Brown, S.A., Ronfard, S., Doncaster, E., Pitt, E., Li, A., Kelemen, D. (2021, April). *Is book reading always best? Children can learn complex scientific explanations from books or animations*. Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Brown, S.A., Emmons, N., Schillaci, R., Chita-Tegmark, M., & Kelemen, D. (2021, April). *Where do traits come from? A storybook intervention helps children understand genetic versus social inheritance*. Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Pizza, L. & Kelemen, D. (2021, April). *Anthropomorphism and its Effects on Conceptual and moral understanding of the world*. Symposium presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Pizza, L. & Kelemen, D. (2021, April). *Does Earth watch over her animals? Anthropomorphized nature and its relationship to environmental moral reasoning*. Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.

- Pizza, L. & Kelemen, D. (2021, April). *Do psychological or vitalist agency differentially impact children's and adults' memory for scientific facts?* Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Ronfard, S. & Kelemen, D. (2021). *Parent-child conversations as a mechanism for cognitive development.* Symposium presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Ronfard, S. & Kelemen, D. (2021). *Knowledge is not enough: parental success when teaching their children counterintuitive concepts.* Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Ronfard, S., Brown, S.A., Doncaster, E., Pitt, E., Kelemen, D. (2021, April). *Inhibitory control supports young children's learning of counterintuitive scientific ideas.* Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Rottman, J., Zizik, V., Minard, K., Young, L., Blake, P., Kelemen, D., (2021, April). *How do storybooks and testimony impact children's fairness principles?* Paper presented at the 2021 Virtual Biennial Meeting of the Society for Research in Child Development.
- Lewry, C., Lombrozo, T., & Kelemen, D. (2020, August). *People view humans as existing for purposes and condemn those who fail to fulfill them.* Poster presented at the Meeting of the Cognitive Science Society, Toronto, Canada.
- Pizza Becerra, L., Benitez De La Cruz, M. & Kelemen, D. (2020, August). *Does viewing Earth as a person and nature as intentionally designed impact beliefs about the immorality of environmentally damaging acts?* Poster presented at the Meeting of the Cognitive Science Society, Toronto, Canada.
- Lewry, C., Lombrozo, T., & Kelemen, D. (2020, June). *The anthropic teleological bias: Beliefs in human purpose and their implications for moral judgment.* Poster accepted to the Meeting of the Society for Philosophy and Psychology, New Jersey, Princeton.
- Rottman, J., Young, L., Blake, P. R., Zizik, V., Minard, K. & Kelemen, D. (2020, June). *The moral, or the story?: Changing children's distributive justice preferences through social communication.* Poster accepted to the Meeting of the Society for Philosophy and Psychology, New Jersey, Princeton.
- Lewry, C. & Kelemen, D. (2020, February). *God, Gaia, and Essentialism: Investigating influences on belief in human purpose.* Poster presented at the Existential Psychology Preconference of the Society for Personality and Social Psychology, New Orleans, Louisiana.
- Lewry, C. & Kelemen, D. (2020, February). *The anthropic teleological bias: Beliefs in human purpose and their implications for moral judgment.* Poster presented at the Meeting of the Society for Personality and Social Psychology, New Orleans, Louisiana.

- Brown, S., Ronfard, S., Pitt, E., Doncaster, E., Maxwell, J., & Kelemen, D. (2019, October). *Barriers vs. Bridges: Do incorrect theory-like intuitions help or hinder learning about counterintuitive scientific concepts?* Poster presented at the Meeting of the Cognitive Development Society, Louisville, Kentucky.
- Lewry, C. & Kelemen, D. (2019, October). *The anthropic teleological bias: Beliefs in human purpose and their implications for moral judgment.* Poster presented at the Meeting of the Cognitive Development Society, Louisville, Kentucky.
- Brown, S. Mather, A. & Kelemen, D. (2019, October). *Not just for kids: Adults learn counterintuitive scientific concepts from storybooks but self-explanations can hurt.* Poster presented at the Meeting of the Cognitive Development Society, Louisville, Kentucky.
- Rottman, J., Young, L., Blake, P. & Kelemen, D. (2019, October). *Teaching children merit and equality through storybooks and video testimony.* Poster presented at the Meeting of the Cognitive Development Society, Louisville, Kentucky.
- Ronfard, S., Chen, E., & Kelemen, D. (2019, June). *Does providing an explanation for a counterintuitive claim influence children's testing of that claim?* Canadian Society for Brain, Behaviour and Cognitive Science, Waterloo, Ontario.
- Kelemen, D. & Ronfard, S. (2019, March). *Children's understanding of counterintuitive scientific concepts: The role of coherent explanation-based instruction.* Symposium presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
- Ronfard, S., Doncaster, E. & Kelemen, D. (2019, March). *Explanatory capacities in early elementary school: Can children learn the counterintuitive concept of speciation?* Paper presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
- Ronfard, S. & Kelemen, D. (2019, March). *The essence of biological categories: Factors influencing children's sensitivity to variability and change.* Symposium presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
- Ronfard, S. & Kelemen, D. (2019, March). *Understanding natural selection is associated with decreased essentialist thinking about biological variability and change.* Paper presented at 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
- Kelemen, D. (2019, March). *Children's explanations and explorations.* Discussion presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland
- Rottman, J., Young, L. & Kelemen, D. (2018, July). *Changing children's minds about distributive justice.* Paper presented at the Meeting of the Cognitive Science Society, Wisconsin, Madison.

- Ronfard, S., Zambrana, I., & Kelemen, D. (2017, October). *Question-asking in childhood: Development, continuity and constraints*. Mini-Conference, Portland, Oregon.
One day mini-conference presented in association with the Meeting of the Cognitive Development Society consisting of 4 mini-symposia and 15 speakers. Funded by a \$1,500 grant from Boston University and \$3,000 grant from the Research Council of Norway.
- Ronfard, S., Kelemen, D., Fenstermacher, S. & Saudino, K. (2017, October). *Genetic contributions to over-imitation in early childhood*. Paper presented at the Meeting of the Cognitive Development Society, Portland, Oregon.
- Kelemen, D. (2017, July). *Purposeful design: Developing developmentally-informed materials for teaching young children about natural selection*. Paper presented at the Meeting of the Cognitive Science Society, London.
- Kelemen, D., Järnefelt, E., Zhu, L. (2017, July). *Culturally robust intuitions about purpose and intentional design in nature: Dual processing evidence from China*. Poster presented at the Meeting of the Cognitive Science Society, London.
- Järnefelt, E., Zhu, L., Kelemen, D. (2017, May). *Cross-culturally recurrent tendencies to explain nature in terms of intentional design: Evidence from adults in China*. Paper presented at the Conference of the Association for Psychological Science, Boston, MA
- Kelemen, D. & Zhu, L., Co-chairs (2017, April). *A cross-cultural approach to studying influences on the development of religious beliefs: Evidence from China*. Symposium presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Järnefelt, E., Rottman, J., Zhu, L. & Kelemen, D. (2017, April) *Cross-culturally and developmentally robust tendencies to view nature in terms of purpose and intentional design: Evidence from adults in China*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Schachner, A., Zhu, L., Li, J., & Kelemen, D. (2017, April). *Cross-cultural parallels in the teleological bias: Children from China endorse function-based explanations of natural phenomena*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Kelemen, D., Emmons, N., Lees, K & Nelson, L. (2017, April). *Learning and generalizing natural selection in early elementary school: Implications for instructional approaches and science standards*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Kelemen, D. (2017, April). *Anthropocentric and biocentric functional information enhances Urban children's conservation attitudes to unpopular species*. Poster presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Rottman, J., Young, L. & Kelemen, D. (2017, April). *The impact of emotional and principled Testimony on children's moralization of novel actions*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.

- Rottman, J., Young, L., Blake, P. & Kelemen, D. (2017, April). *The moral, not the story: Changing children's beliefs about distributive justice*. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, Texas.
- Kelemen, D. (2016, September). *Biological thinking in children and young adults: Teleology, evolution and death*. Symposium discussant, British Psychological Society (Developmental Section), Belfast Ireland.
- Kelemen, D. & Emmons, D. (2016, September). *Evolving minds: Young children's learning of basic natural selection from mechanistic picture storybooks*. Paper presented at the British Psychological Society (Developmental Section), Belfast Ireland.
- Schachner, A & Kelemen, D. (2015, October). *Artifacts as windows into other minds: Preschool children use artifacts to infer others' mutual interests*. Poster presented at the Conference of the Cognitive Development Society, Columbus, Ohio
- Schachner, A. & Kelemen, D. (2015, October). *Entropy, order, and agency: Causal inference, not perceptual features drives the link between order and agency*. Poster presented at the Conference of the Cognitive Development Society, Columbus, Ohio.
- Rottman, J., Young, L. Blake, P. & Kelemen, D. (2015, October). *Children's beliefs about distributive justice are influenced by direct testimony but not storybooks*. Poster presented at the Conference of the Cognitive Development Society, Columbus, Ohio.
- Rottman, J., Young, L. Blake, P. & Kelemen, D. (2015, June). *The influence of storybooks and direct testimony on children's beliefs about distributive justice*. Poster presented at the Society for Philosophy and Psychology, Durham, NC.
- Kelemen, D. & Emmons, N. (2015, April). *Evolving minds: Young children's learning of natural selection from explanation-rich picture storybooks*. Paper presented at the Meeting of the American Educational Research Association, Chicago, IL.
- Schachner, A. & Kelemen, D. (2015, March). *Music as auditory artifact: Were those notes caused by an agent or an inanimate force?* Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
- Schachner, A. & Kelemen, D. (2015, March). *Artifacts as windows into other minds: Pre-school children use artifacts to make inferences about others*. Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
- Emmons, N., McGuire, C., & Kelemen, D. (2015, March). *The origins of eternalist beliefs: A cross-cultural developmental approach among Ecuadorian, Indigenous Shuar and Mormon children*. Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
- Rottman, J., Young, L. & Kelemen, D. (2015, March). *Testimony about disgust leads children to blame acts of environmental degradation*. Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

- Rottman, J., Young, L. & Kelemen, D. (2015, February). *The influence of storybooks and direct testimony on children's beliefs about distributive justice*. Paper presented at the Society for Personality and Social Psychology, Long Beach, California.
- Rottman, J., Young, L. & Kelemen, D. (April, 2014). *Testimony as a powerful contributor to moral development*. Poster presented at the Moral Psychology Research Group Meeting, New Brunswick, NJ.
- Järnefelt, E., Canfield, C., & Kelemen, D. (2014, June). *The divided mind of a disbeliever: A theoretical and empirical exploration of intuitive creationism among atheists in two cultures*. Paper presented at the Meeting of the Society for Philosophy and Psychology, Vancouver, BC.
- Rottman, J., Young, L., & Kelemen, D. (2014, June). *Testimony as a powerful contributor to moral development*. Poster presented at the Meeting of the Society for Philosophy and Psychology, Vancouver, BC.
- Rottman, J., Young, L. & Kelemen, D. (2014, February). *Impurity of the soul, disgust and moral judgments of suicide*. Poster presented at the 15th Annual Meeting of the Society for Personality and Social Psychology, Austin, TX.
- Rottman, J., & Kelemen, D. (2013, October). *Developmental origins of the moral sense*. Symposium presented at the Meeting of the Cognitive Developmental Society, Memphis, TN.
- Rottman, J., Young, L. & Kelemen, D. (2013, October). *Children's acquisition of new moral beliefs: The role of testimony*. Paper presented at the Meeting of the Cognitive Developmental Society, Memphis, TN.
- Rottman, J., Young, L., Blake, P., Raad, M. & Kelemen, D. (2013, October). *Storybooks and the (non)malleability of the moral mind*. Poster presented at the Meeting of the Cognitive Developmental Society, Memphis, TN.
- Schachner, A., Carey, S., & Kelemen, D. (2013, October). *Inferring the causes of patterned sounds: Were those notes caused by an agent, or an inanimate force?* Poster presented at the Meeting of the Cognitive Developmental Society, Memphis, TN.
- Emmons, N., Seston, R., Smith, H., & Kelemen, D. (2013, June). *Young children's learning of complex biological knowledge: The case of natural selection*. Poster accepted for the meeting of the Association for Psychological Science, Washington DC.
- Rottman, J., Zhu, L., & Kelemen, D. (2013, May). *Cultural influences on the naturally developing teleological stance: Evidence from China*. Paper accepted to the Society for Philosophy and Psychology, Providence, RI.
- Kelemen, D., Rottman, J., & Seston, R. (2013, April). *Teleological and animistic beliefs about the natural world: Conceptions of nature in children and professional scientists*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

- Emmons, N., Seston, R., Smith, H., & Kelemen, D. (2013, April). *Evolving Minds: Young children's learning of natural selection from a storybook*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Rottman, D., Young, L., & Kelemen, D. (2013, January). *Suicide taints the soul*. Paper presented at the 12th Annual Morality and Justice Pre-Conference of the Society for Personality and Social Psychology, New Orleans, LA.
- Kelemen, D., Järnefelt, E., Rottman, J. & Zhu, L. (2012, November). *Developmentally persistent natural intuitions about purpose and design in nature*. Paper presented at the Annual Meeting of the Society for the Scientific Study of Religion, Phoenix, AZ.
- Järnefelt, E. & Kelemen, D. (2012, June). *Creator in the clouds: Adults' spontaneous reasoning about the origin of nature*. Poster presented at the International Association for the Cognitive Science of Religion, Aarhus, Denmark.
- Emmons, N., Young, N., & Kelemen, D. (2012, May). *Adults do not privilege mentality when reasoning about persons during early life and pre-life*. Poster presented at the Meeting of the Association for Psychological Science, Chicago, IL.
- Järnefelt, E. & Kelemen, D. (2012, May). *Adults' spontaneous endorsement of nature as purposefully created*. Poster presented at the Meeting of the Association for Psychological Science, Chicago, IL.
- Rottman, J. & Kelemen, D. (2012, May). *The cognitive underpinnings of moral judgments of suicide*. Poster presented at the Meeting of the Association for Psychological Science, Chicago, IL.
- Rottman, J. & Kelemen, D. (2012, January). *Beyond mere disgust: Emotions and norms in the acquisition of purity morals*. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Diego, CA.
- Rottman, J. & Kelemen, D. (2011, October). *The role of disgust in acquiring purity-based morals*. Poster presented at the Biennial Meeting of the Cognitive Development Society, Philadelphia, PA.
- Rottman, J. & Kelemen, D. (2011, July). *Moral cognition and judgments of suicide*. Paper presented at the combined Meeting of the Society for Philosophy and Psychology and European Society for Philosophy and Psychology, Montréal, Canada.
- Kelemen, D., Ganea, P., & Seston, R. (2011, April). *Young children's learning and retention of a picture book explanation of natural selection*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montréal, Canada.
- Kelemen, D. & Seston, R. (2011, April). *Designing Minds: Four-year-olds understand how intended function constrains artifact structure*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montréal, Canada.

- Phillips, B., Kelemen, D., & Seston, R. (2011, April). *Young children's rapid learning about artifacts. The role of social-communicative and intentional cues*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montréal, Canada.
- Kelemen, D. Seston, R., & Phillips, B. (2010, March). *Compelled by function. Young children's action-based categorization of artifacts versus natural objects*. International Conference on Infancy Studies, Baltimore, MD.
- Kelemen, D., Seston, R., & Ganea, P. (2009, October). *Reasons to be cheerful: Young children can learn natural selection from picture books*. Paper presented at the Conference of the Cognitive Development Society, San Antonio, TX.
- Seston, R., Kelemen, D. & DiYanni, C. (2009, April). *Children's tendency to succumb to social influence. Does majority opinion or prior reliability win?* Paper presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Kelemen, D. (2008, March). Discussant: *Acquiring conventionality*. Symposium presented at the International Conference on Infant Studies, Vancouver, Canada.
- Kelemen, D. (2008, March). *Natural Born Pedagogy?: The role of mind-reading in cultural knowledge transmission*. Symposium presented at the International Conference on Infant Studies, Vancouver, Canada.
- Phillips, B., Kelemen, D., Seston, R., & Casler, K. (2008, March). *Young children can categorize novel tools by eavesdropping on others' intentional acts*. Paper presented at the International Conference on Infant Studies, Vancouver, Canada.
- Phillips, B., Kelemen, D., Casler, K., & Seston, R. (2007, October). *The influence of personal exploration on artifact categorization*. Paper presented at the Conference of the Cognitive Development Society, Santa Fe, NM.
- DiYanni, C. & Kelemen, D. (2007, May). *Children's imitation is influenced by knowledge of object design and agent reliability*. Poster presented at the Conference of the Association for Psychological Science. Washington, DC.
- Kelemen, D. & Rosset, E. (2007, May). *Adults' teleo-functional ascriptions of purpose to nature*. Paper presented at the Conference of the Jean Piaget Society: Meeting on Developmental Social Cognitive Neuroscience, Amsterdam, Netherlands.
- Kelemen, D., Casler, K., & Phillips, B. (2007, March). *Fixedness and flexibility in children's reasoning about artifacts and natural objects*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Lombrozo, T., Kelemen, D., & Zaitchik, D. (2006, July). *Teleological explanation in Alzheimer's disease patients*. Paper presented at the Annual Conference of the Cognitive Science Society, Vancouver, British Columbia, Canada.

- Kelemen, D., Casler, K., & Phillips, B. (2006, May). *Two-year-old children's attributions of function to novel tools*. Poster presented at the Conference of the Association for Psychological Science. New York, NY.
- Casler, K. & Kelemen, D. (2005, April). *One tool, one function: Toddlers assign functions rapidly, exclusively, and enduringly*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- DiYanni, C. & Kelemen, D. (2005, April). *Time to get a new mountain: The role of function in children's conceptions of natural kinds*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- DiYanni, C. & Kelemen, D. (2005, April). *Using a bad tool with good intention: How preschoolers weigh physical and intentional cues when learning about artifacts*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Kelemen, D. (2005, April). *Theories of mind and matter*. Discussant paper for the symposium *Development of religious thinking: A cross-cultural perspective* presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Kelemen, D. (2005, April). *Thinking with purpose: Is function intrinsic to young children's conceptions of nature?* Paper presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Kelemen, D. (2005, April). *Tools for the task: What action and naming studies reveal about children's developing artifact concepts*. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Casler, K. & Kelemen, D. (2004, May). *Inferring design by reading the mind: Children's use of social cues to infer artifact function*. Poster presented at the International Conference on Infant Studies, Chicago, IL.
- DiYanni, C. & Kelemen, D. (2004, May). *How do young children learn about tools? The contribution of physical and intentional cues*. Poster presented at the International Conference on Infant Studies, Chicago, IL.
- Kelemen, D. (2003, October). *Are children "intuitive theists"?: Teleological reasoning about purpose in nature*. Paper presented at the Conference of the Cognitive Development Society, Park City, UT.
- Casler, K. & Kelemen, D. (2003, October). *Teleological explanation and conceptual change: Reasoning about nature among Romanian Roma*. Poster presented at the Conference of the Cognitive Development Society, Park City, UT.
- Kelemen, D., Callanan, M., Casler, K., Rosset, E. & Pérez-Granados, D. R. (2003, April). *Why things happen: Teleological explanation in parent-child conversations*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.

- Donovan, E. & Kelemen, D. (2003, April). *Young children's reasoning about natural phenomena*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.
- Kelemen, D. (2001, April). *Intention in children's understanding of artifact function*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.
- Kelemen, D. & Markson, L. (2001, April). *Understanding artifacts: Children's conception of intention and function*. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.
- Madole, K. & Kelemen, D. (2001, April). *Raccoons cannot become skunks, but can a man become a woman?: Essentialist beliefs about social categories*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.
- Kelemen, D. & German, T. (2000, July). *Reasoning about function: Perspectives from infant, preschool and non-human primate research*. Symposium presented at the International Conference for Infant Studies, Brighton, UK.
- Kelemen, D., Grobman, K., & Sumatka, B.M. (2000, July). *The development of reasoning about function*. Paper presented at the International Conference on Infant Studies, Brighton, UK.
- McDermott, M. & Kelemen, D. (2000, May). *Children's and adults' reasoning about tool and body part function*. Poster presented at the National Conference for Undergraduate Research, Missoula, MT.
- Dennis, T. & Kelemen, D. (1999, April). *Can I feel happy when I am sad?: Children's understanding of the relationship between intention and emotion*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- Kelemen, D. (1999, April). *Function, goals and intention: Children's teleological intuitions about the purpose of objects*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- Kelemen, D. & Johnson, S. (1999, April). *Objects, agents, and goals: Perspectives on teleological and intentional reasoning*. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- Widdowson, D., Posner, T., Kelemen, D., & Brown, A.L. (1999, April). *Determining domain-specific trajectories: First, second and fourth-grade inner city students' understanding of biological classification systems*. Poster presented at the meeting of the American Educational Research Association, Montréal, Canada.
- Kelemen, D. (1998, June). *Beliefs about purpose: The scope of teleological thinking in young children*. Paper presented at the Society for Philosophy and Psychology, Minneapolis, MN.

- Kelemen, D. (1998, May). *Why are rocks pointy?: Children's preference for functional explanations*. Poster presented in the APS Showcase Poster Session, American Psychological Society Convention, Washington, D.C.
- Posner, T., Kelemen, D., Widdowson, D., & Brown, A.L. (1998, March). *The body as a biological system: A child's view*. Poster presented at the meeting of the American Educational Research Association, San Diego, CA.
- Kelemen, D., Widdowson, D., Posner, T., & Brown, A. L. (1997, April). *Teleological reasoning in the biological domain*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Washington, D.C.
- Kelemen, D., Posner, T., Widdowson, D., & Brown, A. L. (1997, March). *Teleological reasoning: Structure-function relations in biology*. Poster presented at the meeting of the American Educational Research Association, Chicago, IL.
- Kelemen, D. (1997, April). *The development of teleological reasoning*. Symposium paper presented at the Biennial Meeting of the Society for Research in Child Development, Washington, D.C.
- Kelemen, D. (1996, May). *Teleological thought in preschool children*. Poster presented at the West Coast Theory of Mind Conference, Berkeley, CA.
- Kelemen, D. (1995, March). *The nature and development of the teleological stance*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.
- Bloom, P., Kelemen, D., Fountain, A., & Courtney, E. (1994, November). *The acquisition of collective nouns*. Paper presented at the Boston University Conference on Language Development, Boston, MA.
- Bloom, P. & Kelemen, D. (1994, April). *Syntactic and conceptual factors in the acquisition of collective nouns*. Paper presented at the 26th Annual Stanford Child Language Research Forum, Stanford, CA.
- Kelemen, D. (1993, March). *The effects of domain-specific knowledge on categorization judgments*. Paper presented at the Cognitive Science Conference, Tucson, AZ.

Presentations: Invited Talks, Colloquia, and Workshops

- Kelemen, D., Brown, S.A. Burnham, A., Crissman, S., Lacy, S., and Puttick, P. (2022). *Evolving Minds: A coherent causal-explanatory curriculum for teaching evolution by natural selection in 3rd grade*. Two-day Professional Development workshop for Hingham School District, MA.
- Kelemen, D., Brown, S.A. Burnham, A., Crissman, S., Lacy, S., and Puttick, P. (2022). *Evolving Minds: A coherent causal-explanatory curriculum on evolution by natural selection for 3rd grade*. Two-day Professional Development workshop for Somerville Schools, MA.

- Kelemen, D., Brown, S.A. Burnham, A., Crissman, S., Lacy, S., and Puttick, P. (2022). *Evolving Minds: A coherent causal-explanatory curriculum for teaching evolution by natural selection in 3rd grade*. Two-day Professional Development workshop for Newton Schools, MA.
- Kelemen, D., Brown, S.A. Burnham, A., Crissman, S., Lacy, S., and Puttick, P. (2021). *Evolving Minds: An brief curriculum unit on evolution by natural selection for 3rd grade*. Professional Development workshop for Brown School, Somerville, MA.
- Kelemen, D. & Mahoney, M. (Feb, 2020). *Supporting students' understanding of natural selection and adaptation*. Educator Resource Center, Museum of Science, Boston. One-day Professional Development workshop for elementary school teachers.
- Kelemen, D. & Brown, S.A. (Feb, 2020). *Supporting teachers' understanding of natural selection and adaptation*. Massachusetts Lighthouse, MA Public School Superintendents Meeting, Carver, MA.
- Kelemen, D. (Feb, 2020). *Using picture books to support third graders understanding of natural selection and adaptation*. Hingham Public School District, One-day Professional Development workshop for elementary school teachers.
- Kelemen, D. (2019, October). *Integrating the science of cognitive development into the art of science teaching*. Invited Conference Speaker, 2019 Massachusetts Science Education Leadership (MSELA) Annual Conference, Marlborough, MA.
- Kelemen, D. & The Child Cognition Lab (June 2019), *What's the data? Basic principles of experimental design for 4th and 5th graders*. Somerville Public Schools Science Day, Somerville, MA.
- Kelemen, D. (2019, May). *Children's intuitions about life eternal*. Invited Speaker for the Presidential Symposium, Conference of the Cognitive Development Society.
- Kelemen, D. (2019, May). *Evolving Minds: Why learning counterintuitive concepts like natural selection is so hard*. Museum of Science, Boston.
- Kelemen, D. (2019, May). *Cognitive and social factors relevant to the development and persistence of religious ideas*. Radcliffe Institute for Advanced Study Workshop on Conceptions of Knowledge and Belief in Religion and Science, Cambridge, MA.
- Kelemen, D. (2019, May). *Evolving Minds Project: Supporting teaching about biological structures, inheritance and evolution by natural selection in early elementary school*. Somerville Public Schools, MA.
- Kelemen, D. (2019, April). *Children's intuitions about life everlasting*. Science and the Afterlife Festival ScienceTeller 2019, Capstone Conference to Celebrate 150th Anniversary of the University of Otago, Dunedin, New Zealand.

- Kelemen, D. (2018, November). *Teaching counterintuitive concepts to young children*. Masters Proseminar, Boston, MA.
- Kelemen, D. (2018, August). *Issues to consider in the teaching of evolutionary concepts to young children*. Boston Public Schools Science Department, Boston, MA.
- Kelemen, D. (2018, June). *Evolving Minds: Cognitive biases and children's learning of counterintuitive scientific concepts*. Public lecture, Ghent Liberaal Archief, Belgium.
- Kelemen, D. (2018, May). *Cognitive and social factors that influence the development of religious ideas*, Keynote Speaker, Cognitive Science of Religion Conference, Antwerp, Belgium.
- Kelemen, D. (2017, November). *Evolving Minds: Intuitive biases and young children's learning of natural selection from storybooks*. Harvard Graduate School of Education, MA.
- Kelemen, D. (2017, November). *Evolving Minds: Intuitive biases and young children's learning of natural selection from storybooks*. Masters Proseminar, Boston University, MA.
- Kelemen, D. (2016, February). *Early predispositions to religious thought*. George Washington University, DC.
- Kelemen, D. (2015, November). *Evolving minds in elementary school using stories about adaptation*. University of Cambridge, Cambridge, UK.
- Kelemen, D. (2015, August). *Adapting to conceptual biases: Integrating studies in cognitive development and early life science education*. Natural History Museum, London, UK.
- Kelemen, D. (2015, May). *Evolving Minds in Early STEM: Young children learning natural selection from storybooks*. Massachusetts Public School Superintendents Meeting, Marshfield, MA.
- Kelemen, D. (2015, April). *Evolving Minds in Early STEM using simple explanatory tools*. Meeting of "Nature and Me" Educators, Massachusetts Public Schools / School of Education, Boston University.
- Kelemen, D. (2014, January). *Evolving Minds: Teaching complex biological mechanisms in early elementary school*. Joint invitation of the Psychology Department and PIER Program, Carnegie Mellon University.
- Kelemen, D. (2014, June). *Implications of early conceptual biases for understanding religious belief*. Keynote speaker, International Association for Cognitive Science of Religion, Brno, Czech Republic.
- Kelemen, D. (2014, May). *Persons and purposes: Implications of natural conceptual biases for religious cognition*. Keynote speaker, Cognitive Science of Religion meets Philosophy of Religion, Oxford University, United Kingdom.
- Kelemen, D. (2014, April). *Chinese adults' intuitions about purpose in nature*. "The Chinese Challenge" Conference on Cognitive Science of Religion in China, Hong Kong.

- Kelemen, D. (2014, February). *The Human Function Compunction: Implications of early conceptual biases for science education*. McDonnell-Pew Latin American School for Education, Cognitive and Neural Sciences, Punta Del Este, Uruguay.
- Kelemen, D. (2014, January). *Evolving Minds: Developing conceptions of purpose and change in nature*. Carnegie Mellon University, PA.
- Kelemen, D. (2014, January). *Children's rapid learning about created objects*. Carnegie Mellon University, PA.
- Kelemen, D. (2013, November). *Children's rapid learning about object categories: A talk in honor of Gyuri Gergely*. Solving the puzzles of infant cognition: The Gergely axioms. Budapest, Hungary.
- Kelemen, D. (2013, April). *Evolving Minds: Developing conceptions of purpose and change in nature*. 2013 Kendon Smith Lecture, Kendon Smith Lecture Series, Department of Psychology, University of North Carolina, Greensboro, NC.
- Kelemen, D. (2012, September). *Evolving Minds: Teaching elementary school children about natural selection using storybooks*. Colloquium for GK-12 Fellows, Department of Geosciences, Boston University.
- Kelemen, D. (2012, June). *The development of human artifact concepts*. Invited speaker. CogEvo, Rovereto, Italy.
- Kelemen, D. (2012, February). *The Human Function Compunction: Children and adults' teleological reasoning about nature*. Psychology Seminar Series, Norwegian University of Science and Technology, Trondheim, Norway.
- Kelemen, D. (2011, September). *The Human Function Compunction: Children and adults' teleological reasoning about nature*. Boston College Psychology Department.
- Kelemen, D. (2011, September). *The Human Function Compunction: Children and adults' beliefs about nature*. Northeastern Psychology Department.
- Kelemen, D. (2010, November). *Feeling purposeful: Teleological explanation and function-based categorization in children and adults*. Boston Area Cognitive Development Group, Harvard University.
- Kelemen, D. (2010, October). *Thinking with purpose. Children's and adults' teleological beliefs about nature*. University Developmental Psychology Colloquium Series.
- Kelemen, D. (2010, September). *Thinking with purpose: Children's and adults' teleological beliefs about nature*. Featured Speaker, Explaining Religion Conference, Bristol, UK.
- Kelemen, D. (2010, July). *On purpose: Teleological beliefs about purpose in children and adults*. Keynote speaker, Cognition, Religion and Theology Project Conference, Oxford University, Oxford, UK.

- Kelemen, D. (2010, March). *The Human Function Compunction*. Harvard University Psychology Department.
- Kelemen, D. (2010, March). *Children's learning of natural selection from picture books*. Invited presentation for the symposium "Cognition and Learning in Science Education: The Case of Evolution," National Science Foundation Research and Evaluation on Education in Science and Engineering Meeting, Washington, DC.
- Kelemen, D. (2009, November). *Purpose in mind: Exploring the natural foundations of religion in professional scientists*. Invited poster for Oxford University, Centre for Religion and Theology, Centre for Anthropology and Mind, Oxford, UK.
- Kelemen, D. (2009, October). *Development of children's teleo-functional bias and its implications for biology education*. Presentation to the National Science Foundation (Division of Research on Learning in Formal and Informal Settings), Washington, DC.
- Kelemen, D. (2009, May). *Convention and design in human conceptions of artifacts*. Invited presentation for the AHRC conference "Culture in mind: Material Culture," University of Sheffield, UK.
- Kelemen, D. (2009, April). *Intuitive theism? The teleological bias and its implications for biology education*. Boston College, Applied Developmental Colloquium Series.
- Kelemen, D. (2009, March). *The Human Function Compunction: Teleological bias and religious cognition*. Presentation to the Religious and Psychological Well-being Research Group, Boston University.
- Kelemen, D. (2008, July). *Function in mind: Children's teleological construal of artifacts*. Invited presentation for "Tool use and Causal Cognition", University of Warwick, UK.
- Kelemen, D. (2008, February). *Are people "intuitive theists"?: Teleo-functional biases in children and adults*. Boston University Masters Proseminar.
- Kelemen, D. (2007, November). Facilitator and Featured Participant: The challenges of teleological thought for conceptual change in biology. Session on folk theories and cognitive biases. *Evolution Challenges Conference*, Phoenix, AZ.
- Kelemen, D. (2007, November). Featured participant: Knowledge restructuring and conceptual change. *Evolution Challenges Conference*, Phoenix, AZ.
- Kelemen, D. (2007, October). *Soul purpose*. Invited commentary for Paul Bloom's lecture "Bodies and Souls", Templeton Cognitive Science of Religion Lecture Series, Johns Hopkins, MD.
- Kelemen, D. (2007, September). *Are people "intuitive theists"?: Teleo-functional biases in children and adults*. University of Connecticut, Developmental Psychology Series.
- Kelemen, D. (2006, June). *Intuitive theism?: The teleo-functional bias and religious cognition*. Invited paper for the meeting of the Society for Philosophy and Psychology, St Louis, MI.

- Kelemen, D. (2004, October). *Intuitive theism: Children's reasoning about the function and design of natural and unnatural things*. Department of Psychology Colloquium Series, University of Massachusetts, Boston.
- Kelemen, D. (2004, April). *The development of beliefs about purpose and design*. Invited paper presented at the conference workshop "Reflections on Innateness" organized by the International Project on Innateness and the Structure of the Mind, Sheffield, UK.
- Kelemen, D. (2003, November). *Are children "intuitive theists"?: Attributions of purpose and design to nature*. Developmental Psychology Colloquium Series, Emory University.
- DiYanni, C. & Kelemen, D. (2003, April). *How do young children learn about tools?* Human Development Program Colloquium Series, Boston University.
- Casler, K. & Kelemen, D. (2003, April). *Will any object do? Categorization by purpose and design*. Human Development Program Colloquium Series, Boston University.
- Kelemen, D. (2003, November). *The designing mind: Cognitive foundations to religious thought*. Invited paper for the invited symposium "The Cognitive Science of Religion" presented at the Meeting of the American Academy of Religion, Atlanta, GA.
- Kelemen, D. & Donovan, E. (2003, August). *Purpose in mind: Teleological attribution and religious cognition*. Conference on the Psychological and Cognitive Foundations of Religiosity, Atlanta, GA.
- Kelemen, D. (2002, February). *Children's beliefs about the natural world*. Tufts University.
- Kelemen, D. (2002, March). *Devils and designers: The origins of religious cognition*. Minds and Gods: Cognition and Religion Conference, Ann Arbor, MI.
- Kelemen, D. (2001, May). *Intention and design in children's and adults' reasoning about nature*. Invited presentation for "Thinking with Animals: Anthropomorphism in Historical and Contemporary Perspective." Max Plank Institute for the History of Science, Berlin, Germany.
- Kelemen, D. (2001, May). Workshop participant: *Issues in the early development of perception and action*. Max Plank Institute for Psychological Research, Munich, Germany.
- Kelemen, D. (2001, February). *Children's reasoning about design and object function*. Department of Psychology, Yale University.
- Kelemen, D. (2000, April). *Children's beliefs about purpose: The development of teleological thought*. Department of Psychology, Brown University, Rhode Island.
- Kelemen, D. (2000, April). *Children's beliefs about purpose: The development of teleological thought*. Department of Psychology, University of Illinois at Chicago, Illinois.

- Kelemen, D. (2000, February). *Children's beliefs about purpose: The development of teleological thought*. Department of Psychology, Boston University, MA.
- Kelemen, D. (1999, July). *Teleological reasoning about agents and objects*. Invited presentation for the invited symposium "Understanding Intentionality." Meeting of the European Society for Philosophy and Psychology, Warwick, England.
- Kelemen, D. (1999, November). *Origins and artifact identity*. Department of Psychology, Pennsylvania State University, Cognitive Brown Bag Series.
- Kelemen, D. (1999, February). *Children's beliefs about the purpose of natural objects. Invited talk*. Cognitive Science Colloquium Series, Lehigh University, PA.
- Kelemen, D. (1998, July). *Children's teleological beliefs about purpose in nature*. Cognitive Development Unit, Medical Research Council, London.
- Kelemen, D. (1998, April). *Children's beliefs about the purpose of natural objects*. Department of Psychology Colloquium Series, University of Pittsburgh, PA.
- Kelemen, D. (1997, November). *The scope of teleological thought*. Department of Psychology, Pennsylvania State University, Cognitive Brown Bag Series.
- Kelemen, D. (1997, February). *Beliefs about purpose: The development of teleological thinking*. Department of Psychology, The Pennsylvania State University.
- Kelemen, D. (1997, February). *Beliefs about purpose: The development of teleological thinking*. Department of Psychology, Yale University.
- Kelemen, D. (1996, January). *Naive theology?: The origin of beliefs about purpose*. Behavior, Evolution and Development Colloquium Series, University of Arizona, Tucson.