

Curriculum Vitae

DEBORAH A. KELEMEN

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Education

Ph.D., Cognitive Psychology, Minor: Cognitive Science, University of Arizona, 1996.

Advisor: Dr. 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

Program Director, Developmental Science Program,
Department of Psychology, Boston University, May 2012 - present.

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

Associate Professor, Department of Psychology,
Boston University, 2006 – present (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 Professor Ann Brown,
Graduate School of Education, University of California, Berkeley, 1996 - 1997.

Instructor, Graduate Reading Course, Graduate School of Education,
University of California, Berkeley, Fall 1996.

Research Assistant with Dr. Paul Bloom, Language and Cognition Lab,
Department of Psychology, University of Arizona, 1990 - 1996.

Graduate Teaching Associate, Department of Psychology,
University of Arizona. Spring 1991, Fall 1995.

Research Assistant with Professor Linda Swisher, Child Language Laboratory,
Department of Speech and Hearing, University of Arizona, 1992.

Research Interests

Cognitive Development with particular emphasis on conceptual development: the nature of children's and adults' concepts of the artificial and natural world, conceptual constraints on intuitive, religious, and scientific theory-formation, object categorization, social learning, social cognition, moral cognition, cultural and individual differences in cognition, conceptual change and early science education.

Teaching Interests

Cognitive Development; Conceptual Development; Mind and Language; Culture, Conformity, and Convention; Social Cognition; Cognitive Science of Religion; Cross-Cultural and Evolutionary Perspectives on Cognition and Development; Introduction to Psychology; Developmental Psychology; Cognitive Science; Cognitive Psychology.

Honors

2013 Kendon Smith Lecturer, Department of Psychology, University of North Carolina, Greensboro, April 2013.

Nominated Editor of *Psychological Bulletin* (4th ranked journal in Psychology). Nomination declined due to administrative and grant commitments, 2012.

Selected as Fellow of the *Association for Psychological Science* for “sustained and outstanding distinguished contributions to psychological science”, 2011.

2012 Boston University Richard Ely Work for Distinction Award to Michael Carollo, Honors Student for “*The influence of subtle cues of being watched on children's behavior.*”

Honoree, Boston University College of Arts and Sciences, Legacy Gift Program for “enriching the life of a student” at Boston University, 2004.

Honoree, Boston University College of Arts and Sciences, Legacy Gift Program for “enriching the life of a student” at Boston University, 2003.

Awarded showcase poster status by the American Psychological Society for “*Why are rocks pointy? Teleological intuitions about the natural world.*” American Psychological Society Convention, Washington, D.C., 1998.

Professional Activities

Editorial Board, *Religion, Brain and Behavior*.

Primary Reviewer, *Next Generation Science Standards* for National Research Council (NRC), American Association for the Advancement of Science (AAAS), Achieve, and the National Science Teachers Association.

Consultant and Research Lab Partner, National Living Laboratory, Museum of Science, Boston MA.

Grant Review Panel, National Council for Scientific Research Government of Romania.

External tenure reviewer (various institutions in the United States and Europe).

Grant Review Panel, National Science Foundation Research on Engineering and Science Education, 2011.

Cognition Review Panel, Meeting of the International Society for the Study of Behavioural Development, 2011.

Member, Research Team for “Religious and psychological well-being,” Templeton Foundation inter-disciplinary project, 2007-2010.

Coordinator, Boston meeting of “The challenges of teaching and learning about evolution”, National Science Foundation (REESE) inter-disciplinary conference grant, 2007.

Ad Hoc Grant Reviewer, National Science Foundation REESE Program.

Ad Hoc Grant Reviewer, National Science Foundation DLS Program.

International grant reviewer for Israeli Science Foundation, Canadian Social Science Foundation (SSHRC), Oxford University, John Templeton Foundation, Research Foundation Flanders (FWO, Belgium), University of Ghent Research Foundation, Belgium.

Grant Review Panel, National Science Foundation Research on Learning and Education, 2004.

Submission Reviewer, Cognitive Science Conference, 2004.

Cognition Review Panel, Meeting of the Society for Research in Child Development, 2001-2005, 2010.

Submission Reviewer, Boston University Conference on Language Development, 2001-2003. 2006

Ad Hoc Reviewer for *Brain and Behavioral Sciences*, *British Journal of Developmental Psychology*, *Child Development*, *Cognitive Development*, *Cognition*, *Developmental Psychology*, *Developmental Science*, *Human Nature*, *Journal of Experimental Child Psychology*, *Journal of Cognition and Development*, *Journal for the Scientific Study of Religion*, *Mind and Society*, *Psychological Bulletin*, *Psychological Science*, *Religion*, *Brain & Behavior*, *Science and Education*.

University and Departmental Service

Program Director, Developmental Science Program, Department of Psychology, May 2012-
Developmental Science Junior Search Committee, 2012 –

Developmental Science Member, Boston University Building Planning Committee, 2012-
Chair, Development Science Search Committee, 2011 - 2012.

Developmental Science Junior Search Committee, 2009 - 2010.

Psychology Department Merit Review Committee, Spring, 2007, 2008.

Human Development Senior Search Committee, Fall 2006, 2007, 2008.

Human Development Junior Search Committee, 2003, 2004, 2005, 2006, 2007.

Human Development Doctoral Graduate Admissions Committee, 2000 - 2011.

College of Arts and Sciences Departmental Delegate, Fall 2006.
 Member of the Social Sciences Curriculum Committee, CAS, Boston University, 2003 - 2005.
 Faculty Organizer, Developmental Colloquia, Boston University, 2000 - 2005, 2010.
 Human Development Masters Program Admissions Committee, 2003.
 Founder and Faculty Coordinator of the Human Development Psycolloquium, Graduate Student Conference, Department of Psychology, Boston University, Fall 2000.
 Founder and Coordinator of the Developmental Psycolloquium, Graduate Student Conference, Department of Psychology, Pennsylvania State University, Fall 1997 - 2000.
 Member, Child Development Faculty Search Committee, Pennsylvania State University, 2000.
 Advisory Group, Children, Youth, and Families Consortium of Penn State, 1998 - 2000.
 Member, Graduate Training Committee, Pennsylvania State University, 1998 - 2000.
 General Education Curriculum Enhancement of the Undergraduate Course; Introduction to Developmental Psychology, Fall 1998 - 2000.

Memberships

Association for Psychological Science, Society for Research in Child Development, Cognitive Development Society.

Funding Proposals and Awards

Kelemen, D. & Emmons, N. (Co-Principal Investigators). *Conceptions of personal immortality revealed through beliefs about grave goods*. Preliminary proposal approved and full proposal invited for the UC Riverside / John Templeton Immortality Project Grant Competition (\$260,000 request).

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). *Funding pending*.

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).

Kelemen, D. (Principal Investigator). *Evolving Minds: Children's Learning of Natural Selection from Picture Books*. National Science Foundation (REESE). Funded September, 2010- August 2014 (\$1,141,499).

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 September, 2008 - August, 2010 (\$94,127).

Kelemen, D. (Principal Investigator). *The development of children's teleo-functional bias: Supplementary award*. National Science Foundation. Funded September, 2007 - January, 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, Danielsen 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).

Recent Awards to Post-doctoral, Graduate, and Undergraduate Advisees

Adena Schachner (2013). *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) (Sponsor: Deborah Kelemen, Co-sponsor: Helen Tager-Flusberg). Expected April 2013. (\$140,482).

Järnefelt, E. (2011). Finnish Graduate School of Theology Award for Doctoral Research on Intuitive Creationism, Funded January 2013 – May 2013 (5,000€).

Järnefelt, E. (2012). *Adults' spontaneous beliefs about the origins of nature*. Finnish Cultural Foundation, Funded April 2012 - September 2012 (11,000€).

Järnefelt, E. (2011). Finnish Graduate School of Theology Award for International Doctoral Research on Intuitive Creationism, Funded April 2010 - December 2011 (41,488€).

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

Nelson, L. (2013). *Evolving Minds: Children's Learning of Natural Selection from Picture Books*. Boston University Undergraduate Research Opportunity Program (UROP), January 2013 - May, 2013 (\$2,000).

Mikayla Scaduto (2013). *Evolving Minds: Children's Learning of Natural Selection from Picture Books*. Boston University Undergraduate Research Opportunity Program (UROP), January 2013 - May, 2013 (\$1,000).

Romano, A. (2012). *The influence of social affiliation on young children's learning*. Boston University Undergraduate Research Opportunity Program (UROP), Funded Jan 2013 - May, 2013 (\$1,000).

Nelson, L. (2012). *Evolving Minds: Children's Learning of Natural Selection from Picture Books*. Boston University Undergraduate Research Opportunity Program (UROP), June 2012 - August, 2012 (\$2,000).

Romano, A. (2012). *Teleological and intentional reasoning about the natural world*. Boston University Undergraduate Research Opportunity Program (UROP), Funded June 2012 - August, 2012 (\$2,000).

Carollo, M. (2012). *Children's Learning of Natural Selection from Picture Books*. Boston University Undergraduate Research Opportunity Program (UROP), Funded June 2011 - August, 2011 (\$2,000).

Publications (* = Graduate student collaborator)

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

Kelemen, D., Ganea, P., & Seston, R. (2013). Young children can learn natural selection from picture storybooks. *Manuscript in submission (can not be distributed due to journal restrictions)*.

Emmons, N. & Kelemen, D. (2013). The development of children's pre-life reasoning: Evidence from two cultures. *Manuscript in resubmission*.

Seston, R. & Kelemen, D. (2013, *in press*). Children's conformity when acquiring novel conventions: The case of artifacts. *Journal of Cognition and Development*.

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*. Online publication, October 16, 2012.

*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 (NB: Accepted May, 2011. Published online, December, 2011).
- *Phillips, B., Seston, R., & Kelemen, D. (2012). Learning about tool categories via eavesdropping. *Child Development*, 83, 2057-2072. (NB: Accepted August, 2011. Published online, August 2012)
- Kelemen, D. (2012). 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. (NB. Chapter in press, 2010).
- *Donovan, E. & Kelemen, D. (2011). Just rewards: Children and adults equate accidental inequity with intentional unfairness. *Journal of Cognition and Culture*, 11, 137-150. (NB. Accepted October, 2010).
- 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*. Cascadia 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.

Selected Manuscripts in Preparation

*Rottman, J., Young, L. & Kelemen, D. (2013). Moral cognition and judgments of suicide.

*Rottman, J., Zhu, L., Wen, W., Clark, K., & Kelemen, D. (2013). Chinese adults' purpose-based reasoning about nature.

Kelemen, D., Phillips, B., & Seston, R. (2013). Children's categorization of unnatural things.

*Carollo, M. & Kelemen, D. (2013). Gossip and rumor: The development of children's reasoning about personal reputation.

Emmons, N. & Kelemen, D. (2013). Evolving minds: How learning about natural selection impacts young children's misconceptions about the natural world.

*Järnefelt, E. & Kelemen, D. (2013). Creator in the clouds: Adults' spontaneous reasoning about the origins of natural phenomena.

Sample of Recent Media Coverage

Bostonia Magazine, Art Jahnke, *The reason for everything: Even scientists believe in something* (adult research summary and interview, March 2013).

Der Spiegel, The German News Magazine, Manfred Dworshak, *Warum glaubt der Mensch...und warum zweifelt er?* (interview and research highlighted, appeared December, 2012).

Boston Globe, Carolyn Young, *Do leaves exist to provide shade? Even scientists susceptible to human bias to find purpose in nature* (interview, November 14, 2012).

LiveScience Online, *Even scientists unwittingly see purpose in nature* (adult research, October, 29, 2012).

Psychology Today, Chris Mooney, *Religious brain the default setting* (adult research, October, 22, 2012).

Science Daily Blog (AAAS). *Even professional scientists are compelled to see purpose in nature, psychologists find* (adult research, October 17, 2012).

The Naked Scientists, BBC Radio Cambridgeshire (UK) (interview about child and adult research, May, 2011).

Richard Dawkins' documentary "*Faith School Menace*" for Channel Four Television (UK), (interview by Dawkins, filming of child experiment, aired August 18, 2010).

Science (AAAS) *On the origin of Religion*. Essay in Honor of the Year of Darwin by Elizabeth Culotta (interview and featured research, November 9, 2009).

Science (AAAS) "Origins" Blog, Elizabeth Culotta, *Does studying why people believe in God challenge God's existence?* (interview extracts, November 13, 2009).

New Scientist, Michael Brooks, *Born Believers: How your brain creates God* (interview, child and adult research, 2009).

BBC World Service, BBC Radio 4, Daily Telegraph reports on Kelemen & Rosset (2009) (Feb-October, 2009).

Presentations: Invited Talks for National and International Meetings and Conferences

Kelemen, D. (2013, April). *Evolving Minds: Developing conceptions of purpose and change in nature*. 2013 Kendon Smith Lecturer, Department of Psychology, University of North Carolina, Greensboro, NC.

Kelemen, D. (2013, May). *Designing Minds? Causes and consequences of children's and adults' beliefs about purpose in nature*. Keynote speaker, Cognitive Science of Religion meets Philosophy of Religion, Leuven, Belgium.

Kelemen, D. (2012, June). *The development of human artifact concepts*. Invited speaker. CogEvo Workshop, Rovereto, Italy

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). *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. (2008, July). *Function in mind: Children's teleological construal of artifacts*. Invited presentation for the conference "Tool use and Causal Cognition", University of Warwick, UK.
- 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. (2006, June). *Intuitive theism?: The teleo-functional bias and religious cognition*. Invited paper presented at the meeting of the Society for Philosophy and Psychology, St Louis, MI.
- Kelemen, D. (2005, July). Invited summer school faculty for the Budapest advanced research summer school "*Cultural learning, imitation, and artifact understanding: A comparative approach*" hosted by the Central European University in Budapest, Hungary (Declined due to maternity leave).
- 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). *The designing mind: Cognitive foundations to religious thought*. Invited paper presented as part of 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, 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 the conference "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. (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.

Presentations: Peer Reviewed Symposia and Presentations at Professional Meetings

Emmons, N., Seston, R., Smith, Hayley, & Kelemen, D. (2013). *Young children's learning of complex biological knowledge: The case of natural selection*. Poster submitted to 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 submitted to the Society for Philosophy and Psychology, Providence, RI.

Järnefelt, E. & Kelemen, D. (2013, May). *Adults' automatic and reflective reasoning about The origins of natural phenomena in terms of purposeful creation*. Paper submitted 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 to be 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 to be 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 Southwestern Cognitive Science Conference, Tucson, AZ.

Presentations: Invited Colloquia

- Kelemen, D. (2013, March). Religious thinking in children. MIT Speaker Series, Neuroscience and Psychology of Spirituality and Religion, MIT.
- 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, 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*. Yale University Developmental Psychology Colloquium Series.
- Kelemen, D. (2010, March). *The Human Function Compunction*. Harvard University Psychology Department.
- 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, February). *Are people "intuitive theists"?: Teleo-functional biases in children and adults*. Boston University Masters Proseminar.
- Kelemen, D. (2007, September). *Are people "intuitive theists"?: Teleo-functional biases in children and adults*. University of Connecticut, Developmental Psychology Series.
- 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. (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. (2002, February). *Children's beliefs about the natural world*. Tufts University.
- 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, 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.