

**CURRICULUM VITAE**  
**KATHERINE MCAULIFFE**

Psychology, Boston College  
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**POSITIONS**

**Assistant Professor** Department of Psychology, Boston College  
Director of the Cooperation Lab

**Postdoc** Yale University, Psychology  
Working with Yarrow Dunham (Social Cognitive Development Laboratory)  
& Laurie Santos (Canine and Primate Laboratory)

**EDUCATION**

**Ph.D.** Harvard University, Human Evolutionary Biology  
2006 - 2013. Advised by Richard Wrangham

**M.Phil.** University of Cambridge, Biological Anthropology  
2003 - 2004. Advised by Phyllis Lee

**B.Sc.** University of King's College and Dalhousie University, Biology  
1999 - 2003. Advised by Hal Whitehead

**PEER REVIEWED PUBLICATIONS**

**2016 and In press**

- **McAuliffe, K.**, Blake, P.R., Steinbeis, N., & Warneken, F. (In press). The developmental foundations of human fairness. *Nature Human Behaviour*
- **McAuliffe, K.**, Raihani, N.J., & Dunham, Y. (In press). Children are sensitive to norms of giving. *Cognition*
- **McAuliffe, K.**, & Dunham, Y. (In press) Fairness overrides group bias in children's second-party punishment. *Journal of Experimental Psychology: General*
- **McAuliffe, K.**, & Santos, L. (In press). Do animals have a sense of fairness? *Atlas of Moral Psychology*
- Bone, J.E., **McAuliffe, K.**, & Raihani, N.J. 2016. Exploring the motivations for punishment: framing and country-level effects. *PLoS ONE*, 11(8), e0159769.

- Thornton, A., **McAuliffe, K.**, Dall, S.R.X., Fernandez-Duque, E., Garber, P.A., & Young, A.J. 2016. Fundamental problems with the Cooperative Breeding Hypothesis: A reply to Burkart & Van Schaik. *Journal of Zoology* 299, 84-88.

## 2015

- **McAuliffe, K.**, & Dunham, Y. (2015). Group bias in cooperative norm enforcement. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 371, 20150073.
- **Blake, P. R.\***, **McAuliffe, K.\***, Corbit, J., Callaghan, T. C., Barry, O., Bowie, A., et al. (2015). The ontogeny of fairness in seven societies. *Nature*, 528, 258–261. \*Indicates joint first authorship
- **McAuliffe, K.**, Wrangham, R. W., Glowacki, L., & Russell, A. F. (2015). When cooperation begets cooperation: the role of key individuals in galvanizing support. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 370, 20150012.
- Jordan, J., **McAuliffe, K.**, & Rand, D. 2015. Third-party punishment is motivated by anger and is not an artifact of self-focused envy or the strategy method. *Experimental Economics*, 1-23.
- **McAuliffe, K.**, Chang, L., Spaulding, R., Leimgruber, K., Blake, P.R., & Santos, L. 2015. Capuchin monkeys show no evidence for inequity aversion in a costly choice task. *Animal Behaviour* 103: 65-74.
- **McAuliffe, K.**, Jordan, J., & Warneken, F. 2015. Costly third-party punishment in young children. *Cognition* 134: 1-10.
- **McAuliffe, K.**, & Thornton, A. 2015. The psychology of cooperation in animals: an ecological approach. *Journal of Zoology* 295: 23-35.
- Johnston, A.M., **McAuliffe, K.**, & Santos, L. 2015. Another way to learn about teaching: what dogs can tell us about the evolution of pedagogy. *Behavioural and Brain Sciences* 38: e44.
- Thornton, A., & **McAuliffe, K.** 2015. Cognitive Consequences of Cooperative Breeding? A Critical Appraisal. *Journal of Zoology* 295: 12-22.

## 2014

- **McAuliffe, K.**, Blake, P.R., & Warneken, F. 2014. Children reject inequity out of spite. *Biology Letters* 10: 20140743
- Raihani, N.J., & **McAuliffe, K.** 2014. Dictator Game giving: the importance of descriptive versus injunctive norms. *PLoS ONE* 9(12): e113826.
- **McAuliffe, K.**, Shelton, N., & Stone, L. 2014. Does effort influence inequity aversion in cotton top tamarins? *Animal Cognition* 7:1289-1301.
- Blake, P.R., **McAuliffe, K.**, & Warneken, F. 2014. The developmental origins of fairness: the knowledge-behavior gap. *Trends in Cognitive Sciences* 18: 559-561.

- Jordan, J., **McAuliffe, K.**, & Warneken, F. (2014). The development of in-group favoritism in children's third-party punishment of selfishness. *Proceedings of the National Academy of Sciences* 111(35), 12710-12715.

## 2013

- **McAuliffe, K.**, Blake, P.R., Kim, G., Wrangham, R.W., & Warneken, F. (2013). Social influences on inequity aversion in children. *PLoS ONE* 8(12), e80966.
- Skerry, A.E., Lambert, E., Powell, L.J., & **McAuliffe, K.** (2013). The origins of pedagogy: developmental and evolutionary perspectives. *Evolutionary Psychology* 11, 550-572.

## 2012

- **McAuliffe, K.**, & Thornton, A. (2012). How do banded mongooses locate and select anvils for cracking encased food items? *Behavioural Processes* 90, 350-356.
- Raihani, N.J., & **McAuliffe, K.** (2012). Human punishment is motivated by inequity aversion, not a desire for reciprocity. *Biology Letters* 8, 802-804.
- Raihani, N.J., **McAuliffe, K.**, Brosnan, S.F., & Bshary, R. (2012). Are cleaner fish (*Labroides dimidiatus*) inequity averse? *Animal Behaviour* 84, 665-674.
- Raihani, N.J., & **McAuliffe, K.** (2012). Does inequity aversion motivate punishment? Cleaner fish as a model system. *Journal of Social Justice Research* 25, 213-231.
- Thornton, A., & **McAuliffe, K.** (2012). Teaching can teach us a lot. *Animal Behaviour* 83, e6-e9.

## Pre 2012

- Blake, P.R., & **McAuliffe, K.** (2011). "I had so much it didn't seem fair": Eight-year-olds reject two forms of inequity. *Cognition* 120, 215-224.
- Hauser, M.D., **McAuliffe, K.**, & Blake, P. (2009). Evolving the ingredients for reciprocity and spite. *Philosophical Transactions of the Royal Society, Biological Sciences* 364, 3255-3266.
- Clutton-Brock, T.H., & **McAuliffe, K.** (2009). Female mate choice in mammals. *Quarterly Review of Biology* 84, 3-27.
- Thornton, A., & **McAuliffe, K.** (2006). Teaching in wild meerkats. *Science* 313, 227-229.
- **McAuliffe, K.**, & Whitehead, H. (2005). Eusociality, menopause and information in matrilineal whales. *Trends in Ecology and Evolution* 20, 650.

## BOOK CHAPTERS

- **McAuliffe, K.**, & Hauser, M. D. (2010). The Evolutionary Foundations of Morality. In *The Encyclopedia of Animal Behavior*, eds. M. Breed and J. Moore.

## MANUSCRIPTS UNDER REVIEW AND IN REVISION

- Corbit, J., **McAuliffe, K.**, Callaghan, T.C., Blake, P.R., & Warneken, F. (Under review). Children's collaboration induces fairness rather than generosity.
- **McAuliffe, K.**, Coogan, S., & Dunham, Y. (In revision). Do children expect a gender gap in pay?
- **McAuliffe, K.** (In revision) Inequity aversion in social canids: a comparative test of domestic dogs and dingoes.
- **McAuliffe, K.**, Russ, B., Baitchman, B., & Jackle, J. (In revision). Reward value and risk preferences in gorillas.

## GRANTS, SCHOLARSHIPS AND AWARDS

- Association for Psychological Science (APS) 2017 Rising Star
- Society for Research in Child Development Early Career Research Contributions award, 2017
- American Psychological Foundation's 2016 Esther Katz Rosen Fund Grant, \$18,000 with Joshua Hartshorne
- John Templeton Foundation: Philosophy and Science of Self Control grant recipient, "Self-control and cooperation: Evolutionary, developmental and cross-cultural perspective" with Yarrow Dunham, David Rand and Eric Mandelbaum
- Richard J. Herrnstein Prize, 2014, awarded annually by the Harvard Graduate School of Arts and Sciences for "a dissertation that exhibits excellent scholarship, originality and breadth of thought, and a commitment to intellectual independence"
- Cora duBois Fellowship, 2012, for two months of dissertation work
- Mind, Brain, and Behavior Graduate Student Award, 2012 to fund "Origins of Cognition" reading group
- Department of Human Evolutionary Biology Graduate Research Award, 2012
- Merit/Term Time Award, Graduate School of Arts and Sciences, Harvard University, 2011, for a semester of funding
- Mind, Brain and Behavior Graduate Student Award, 2011 to fund attendance at the annual meeting of the Society for Research in Child Development
- Certificate of Distinction in Teaching from the Derek Bok Center, 2010
- Department of Human Evolutionary Biology Summer Research Award, 2010

- Mind, Brain and Behavior Graduate Student Award, 2010 to fund “Inequity Aversion in Children”
- Harvard Graduate School of Arts and Sciences tuition fellowship for 5 years of PhD
- National Sciences and Engineering Research Council Postgraduate Scholarship, 2003
- Scholarship to study coral reef ecology at the Bermuda Biological Station for Research, 2003
- Finalist for the Rhodes Scholarship, 2002
- Norah and Alban Bate Prize, 2002: an in-course scholarship used to recognize the standing of the top-ranked student at the University of King's College
- David Durward Memorial Prize, 2002: awarded to the student who has obtained the highest standing in Marine Animal Physiology at Dalhousie University
- University of King's College Scholarship, 2002
- Margaret and Elwin Malone Memorial Scholarship, 2002, 2001
- University of King's College Entrance Scholarship 1999

#### CONFERENCE PRESENTATIONS & INVITED TALKS

- **McAuliffe, K.** The foundations of our sense of fairness. 2017. MBB Junior Symposium at Harvard University, invited guest speaker.
- **McAuliffe, K.** The foundations of our sense of fairness. 2016. CIFAR meeting, invited guest, Seattle.
- **McAuliffe, K** and Thornton, A. The Psychology of cooperation in animals. 2016. Podium Presentation, meeting for the International Society of Primatologists in Chicago, IL.
- Session chair at SPP 2016 (Austin): Morality in children
- **McAuliffe, K.** Children’s enforcement of fairness norms. 2016. Brown Social Brownbag.
- **McAuliffe, K.** Children’s enforcement of fairness norms. 2016. BU Developmental Colloquium.
- **McAuliffe, K.** Children’s enforcement of fairness norms. 2016. Harvard Social Lunch and Boston University’s Developmental Colloquium.
- **McAuliffe, K.** The evolutionary and ontogenetic origins of our sense of fairness. 2014. Invited Talk, University of Exeter, UK.
- **McAuliffe, K.** Children pay to enforce norms of fairness. 2014. Invited Talk, Cognition and Cooperation Workshop, Neuchatel, Switzerland.

- **McAuliffe, K.** Inequity aversion in children and animals. 2014. Invited Talk, Department of Biological Anthropology, Yale.
- **McAuliffe, K.** Do animals have a sense of fairness? 2014. Invited Talk, Department of Biology, Dalhousie University, Canada.
- **McAuliffe, K.** Inequity aversion in children. 2014. Invited Talk, Department of Psychology, Dalhousie University, Canada.
- **McAuliffe, K.,** Blake, P.R., Kim, G., Wrangham, R.W. and Warneken, F. 2013. Social influences on inequity aversion in children. Podium presentation, Human Behavior and Evolution Society conference in Miami, FL, July 2013
- Raihani, N. and **McAuliffe, K.** 2013. Human punishment is motivated by inequity aversion not a desire for reciprocity. Podium presentation, Human Behavior and Evolution Society conference in Miami, FL, July 2013
- **McAuliffe, K.** 2013. Why do children reject unequal resource allocations? The (possible) roles of reputation and spite. Podium presentation, Harvard-Yale Social Cognitive Development Meeting in New Haven, CT.
- **McAuliffe, K.,** Blake, P.R. and Warneken, F. 2013. Audience effects on fairness in children. Poster, Society for Research in Child Development Meeting in Seattle, WA
- **McAuliffe, K.,** Jordan, J. and Warneken, F. 2013. The development of third party punishment of fairness norm violations. Poster, Society for Research in Child Development Meeting in Seattle, WA
- Blake, P., **McAuliffe, K.,** Corbit, J., Callaghan, T. and Warneken, F. 2013. Inequity Aversion Across Cultures. Podium presentation, Society for Research in Child Development Meeting in Seattle, WA
- Corbit, J., Blake, P., **McAuliffe, K.,** Callaghan, T. and Warneken, W. 2013. Children's inequity aversion with friends and strangers across cultures. Poster, Society for Research in Child Development Meeting in Seattle, WA
- **McAuliffe, K.** Evolution and development of inequity aversion. Invited Talk, Department of Psychology, University of Pennsylvania
- **McAuliffe, K.,** Blake, P.R., Kim, G., Wrangham, R.W. and Warneken, F. 2012. How social is inequity aversion in humans? Like nonhuman primates, children reject inequity in a nonsocial game. Podium presentation, American Association of Physical Anthropologists Meeting in Portland, OR.
- **McAuliffe, K.,** Blake, P.R. and Warneken, F. 2012. Inequity aversion in children: the importance of outcomes and audience effects. Podium presentation, Budapest CEU Conference on Cognitive Development in Budapest, Hungary.
- **McAuliffe, K.** 2011. Inequity aversion in social canids: a comparison between domestic dogs (*Canis familiaris*) and dingoes (*Canis dingo*). Podium presentation, Association for the Study of Animal Behaviour Meeting in St Andrews, Scotland.
- **McAuliffe, K.** 2011. Children reject inequity in a non-social game. Poster, Society for Research in Child Development Meeting in Montreal, QC

- **McAuliffe, K.** 2011. Why do children reject inequity in a public game? Podium presentation, Harvard-Yale Social Cognitive Development Meeting in New Haven, CT.
- **McAuliffe, K.** The development of inequity aversion in children. Invited Talk, Cornell Lab of Ornithology
- **McAuliffe, K.** Inequity aversion in cotton-top tamarins and children. Invited Talk, Department of Psychology, University of Auckland

## TEACHING, MENTORING & SUPERVISING

- PSYC336901 Understanding the Social World (32 enrolled, instructor rating 4.45/5).
- Postdoctoral mentor, Women in Science at Yale, 2013-2014
- Teaching consultant, Derek Bok Center for Teaching and Learning, 2011-2012
- Leader, Mind, Brain and Behavior undergraduate thesis workshop, 2012
- Head Teaching Fellow, Psychological Science (Prof. Steven Pinker), 2009, 2011
- Head Teaching Fellow, Altruism, Selfishness and Spite (Prof. Andrew Russell), 2010
- Head Teaching Fellow and Teaching Fellow, The Evolution of Human Nature (Profs. Richard Wrangham and Marc Hauser), 2010 and 2009,
- Teaching Assistant, The Fundamentals of Ecology (Prof. Mark Leighton), 2008
- Advisor, senior thesis students across departments at Harvard University, 2009-2013
- Honors thesis student supervision
  - Katie Lamirato, Boston College, Class of 2018
  - Sophia Martin, Boston College, Class of 2018
  - Seungmi Lee, Boston College, Class of 2017
  - Carleen Liu, Yale (2015-2016)
  - Ann Finkel, Harvard (2013 – 2015) W.W. Howells Prize (best thesis in Human Evolutionary Biology)
  - Aleah Bowie, Harvard (2011 – 2013)
  - Jillian Jordan, Harvard (2011 – 2013) Hoopes Prize & Gordon W. Allport Prize
  - Hurnan Vongsachang, Harvard (2011 – 2013)
  - Erin Washington, Harvard (2010 – 2011)
  - Winston Chang, Harvard (2010 – 2011)
  - Rebecca Smith, Harvard (2009 – 2010)
- Supervisor for independent research students (2009 – 2011)

## PROFESSIONAL ACTIVITIES

- Associate editor of *Proceedings of the Royal Society: B*
- Reviewer: *Proceedings of the National Academy of Sciences, Cognition, Developmental Science, Child Development, Developmental Psychology, Journal of*

*Experimental Child Psychology, Journal of Cognitive Psychology, Nature Scientific Reports, Evolution and Human Behavior, Frontiers in Psychology, Proceedings of the Royal Society: B, Proceedings of the Royal Society: Open Science, Trends in Ecology and Evolution, Biological Reviews, Animal Behaviour, Animal Cognition, Journal of Comparative Psychology, International Journal of Educational Research*

- Conference Reviewer: SPP, SRCD
- Member, Mind, Brain and Behavior graduate student committee, 2012-2013
- Co-founder and leader, “Origins of Cognition” reading group, 2012
- Leader, Annual proposal-writing workshop for zookeepers at the Franklin Park Zoo, Boston, 2011-2013
- Contributor and activity leader, annual Cambridge Science Festival

## SELECTED MEDIA COVERAGE

- New Yorker, 7 January, 2016, “How We Learn Fairness” – Maria Konnikova
- The Atlantic, 18 November, 2015, “How Fairness Develops in Kids Around the World” – Ed Yong
- Wall Street Journal, 27 August, 2014, “Even Children Get More Outraged at 'Them' Than at 'Us' ”
- *The Economist*, 21 July 2012, “ ’Snot fair!’ ”
- *Harvard Gazette*, 28 June 2011, “Just rewards: Study of children challenges economists’ notions of rational behavior”
- *The Boston Globe*, 8 June 2009, “Gorilla business”
- *New Scientist*, 16 May 2009, “Are humans cruel to be kind?”
- *New York Times*, 18 July 2006, “ Somewhere between animals and humans, the meerkats”
- *The Boston Globe*, 24 July 2006, “How the young meerkat learns to eat”

## RESEARCH EXPERIENCE

2008 – Present	<b>Child development research, Boston and beyond.</b> Lab- and field-based studies on the development of fairness and cooperation.
Summer 2012	<b>Kasiisi School Project, Uganda</b> Studies on the development of inequity aversion in several schools in the region.
2010 – 2011	<b>Canine Cognition Lab, Harvard University</b>

Interim lab supervisor and director of research following the departure of principle investigator. Research included dissertation project on inequity aversion in domestic dogs. Additional involvement in projects on canine general intelligence, spatial discounting, empathy and contagious yawning.

- Summer 2010 **Dingo Discovery Centre, Australia**  
Dissertation research on inequity aversion and general intelligence in dingoes
- Summer 2010 **Lizard Island Research Station, Australia**  
Research on inequity aversion in cleaner fish; collaboration with Dr. Nichola Raihani, University of Cambridge
- Summer 2009 **Cayo Santiago, Puerto Rico**  
Pilot study for potential dissertation project on social and physical influences on risk aversion in rhesus monkeys
- Spring 2008 - 2012 **Franklin Park Zoo, Boston**  
Economic decision-making in gorillas using both tokens and food; collaboration with Dr. Brian Russ, NIH
- Summer 2007 **Queen Elizabeth National Park, Uganda**  
Physical cognition and tool use in wild mongooses; collaboration with Dr. Alex Thornton, University of Cambridge
- Fall 2006 – Winter 2009 **Cognitive Evolution Lab, Harvard University**  
Dissertation research on inequity aversion in cotton-top tamarins. Additional involvement in projects on general intelligence and vocal communication.
- Fall 2005 – Fall 2006 **Department of Zoology, University of Cambridge**  
Research assistant to Professor Tim Clutton-Brock FRS, supporting writing and preparation of a book on mammalian societies
- June 2005 **Sargasso Sea, Atlantic Ocean**  
Observational recordings of sperm whale behavior and vocalizations with Professor Hal Whitehead, Dalhousie University
- August 2004 – May 2005 **Kalahari Meerkat Project, South Africa**  
Field assistant to Dr. Alex Thornton, University of Cambridge

- Summer 2003                    **Bermuda Biological Station for Research**  
Undergraduate research course on coral reef ecology
- Summer 2002                    **Monkey Mia Dolphin Research Centre, Australia**  
Honors thesis research on coordination and synchrony in  
bottle-nose dolphins under the supervision of Professor Janet  
Mann, Georgetown University
- Summer 2001                    **World Food Program, Bhutan**  
Data collection for hunger vulnerability analysis in Himalayan  
communities