

# Esther Herrmann

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## **CAREER AND EDUCATION**

2020-present	Senior Scientist, University of California, Berkeley, USA
2019-present	Senior Scientist, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2013-2019	Research group leader of the Minerva Group on Human Origins of Self-Regulation, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2010-present	Coordinator for research in African chimpanzee sanctuaries
2009-2013	Postdoctoral researcher in the Department of Comparative and Developmental Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2009	PhD in Biology (Dr. rer. nat.), University of Leipzig, Germany
2005–2009	PhD student in the Department of Comparative and Developmental Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany (Advisor: Prof. M. Tomasello)
2003	Diploma in Biology, Friedrich-Alexander University of Erlangen-Nuremberg, Germany
1997-2003	Student of Biology, Friedrich-Alexander University of Erlangen-Nuremberg, Germany

## **FIELD WORK**

2017-present	China: Joint research project with Chinese Academy of Sciences
2015-present	Namibia, Central African Republic, Bolivia, Argentina: Collaboration with field sites and coordination of cross-cultural research project

2012-present	Kenya (various cross-cultural field sites): Establishment, coordination and research
2011-present	Sweetwaters Chimpanzee Sanctuary, Nanyuki, Kenya: Field site establishment, coordination and research
2005-2007	Tchimpounga Chimpanzee Sanctuary, Pointe-Noire, Republic of Congo: Field site establishment, coordination and research
2004-present	Ngamba Island Chimpanzee Sanctuary, Entebbe, Uganda: Assistance with field site establishment, coordination and research
2007-2008	Lola ya Bonobo Sanctuary, Kinshasa, Democratic Republic of Congo: Research
2004	Khao Yai National Park, Thailand: Research assistance for behavioral observations of white handed gibbons,
1999-2000	Gibbon Rehabilitation Project, Phuket, Thailand: Internship

### **OTHER WORK EXPERIENCE**

2003-2004	Research assistant at the Max Planck Institute for Evolutionary Anthropology, Leipzig
2003-present	Guided tours for students and other visitors, Leipzig Zoo (Pongoland)
2002-2003	Student assistant at the Max Planck Institute for Evolutionary Anthropology, Leipzig
2001-2001	Intern at Wolfgang Koehler Primate Research Center, Max Planck Institute for Evolutionary Anthropology, Leipzig

### **FUNDING**

2017-2022	ARCUS Foundation Grant (Co-PI with Dr. J. Engelmann) 'Social relationships of chimpanzees'
2013-2019	Minerva Research Group, Max Planck Society
2010-2012	Postdoctoral research position, Max Planck Research Award (Prof. M. Tomasello)
2009-2010	Postdoctoral Fellowship, Cluster Languages of Emotions, Freie Universität Berlin
2008-2009	Doctoral and Postdoctoral Fellowship, Max Planck Society

2005-2007            Doctoral fellowship, Studienstiftung des deutschen Volkes  
(German National Academic Foundation)

## **TEACHING EXPERIENCE**

2011                    Lecture on primate cognition (part of the module 'Primate Behavioral Ecology' of the MSc program of Biology, University Leipzig, Germany)

2009                    Instructor for the module Behavioral Ecology, University of Leipzig, Germany, Department of Biological Sciences

2001                    Teaching assistance for animal physiology course, University of Erlangen-Nuremberg, Germany

2000-2001            Co-Instructor for the seminar on Social Behavior of Primates and Other Mammals, University of Erlangen-Nuremberg and Nuremberg Zoo, Germany

## **MENTORING AND ADVISING**

### **Max Planck Institute for Evolutionary Anthropology**

- Hagen Knofe (PhD student, present)
- Jan Engelmann (M.A. and PhD student, 2014); Robert J. Glushko Prize for Outstanding Doctoral Dissertation (2016)
- Rebecca Koomen (PhD student, 2017)
- Diotima Rapp (PhD student, 2017)
- Yvonne Lambach (PhD student, 2010)
- Jeremy Clifft (Visiting student, 2017)
- Lou Haux (B.A., M.A. student, 2014)
- Ulrike Kachel (M.A. student, 2014)
- Sarah Nagel (M.A. student, 2013)
- Anne Schaffranke (M.A. student, 2012)
- Antonia Misch (M.A. student, 2011)
- Christiane Markmann (M.A. student, 2010)
- Helene Pettersson (M.A. student, 2009)
- Stefanie Keupp (M.A. student, 2009)
- Sarah Hastings (Intern, 2005)

### **External**

- Sonja Ebel (PhD student, 2019), University of St. Andrews
- Lou Haux (PhD student, present), Max Planck Institute for Human Development
- Johanna Eckert (PhD student, 2018), University of Göttingen & Max Planck Institute for Evolutionary Anthropology
- Miriam Sima (PhD student, 2018), Max Planck Institute for Ornithology

- Victoria Wobber (PhD student, 2012), Harvard University

### **INVITED PRESENTATIONS**

- 2018 African Chimpanzee Sanctuaries: an important setting for comparative cognitive research, International Primatological Society Conference, Nairobi, Kenya.
- 2017 What makes us human? Ol Pejeta Conservancy, Laikipia, Kenya.
- 2015 Origins of human cognition and temperament: A systematic comparison of nonhuman great apes and human children. 6th European Federation for Primatology Meeting, Rome, Italy.
- 2014 Self-Regulation in Human Children and Chimpanzees. Max Planck Institute for Ornithology, Seewiesen, Germany.
- 2014 Was macht uns zum Menschen? Humboldt-Studienzentrum für Philosophie und Geisteswissenschaften, Universität Ulm, Germany.
- 2013 Bonobos and chimpanzees: How similar is their cognition and temperament? 5th European Federation for Primatology Meeting, Antwerp, Belgium.
- 2013 Reactivity and Self-Regulation in Human Children and Chimpanzees. Behaviour, Newcastle, UK.
- 2010 A Comparison of the Cognitive Abilities and Temperament of Nonhuman Apes and Human Children. Deutsches Primatenzentrum, Göttingen, Germany.
- 2009 A Comparison of the Physical and Social Cognitive Skills of Great Apes and Human Children. SPRG, University of St. Andrews, Scotland, UK.
- 2008 A Comparison of the Physical and Social Cognitive Skills of Great Apes and Human Children. University of Manchester, UK.
- 2008 The Primate Cognitive Test Battery: An example of test battery development. NESCent workshop: How does cognition evolve? Durham, USA.
- 2007 A comparison of physical and social cognitive abilities of great apes and human children. XIX Congress of the Spanish Society of Comparative Psychology, Madrid, Spain.
- 2007 Humans Have Evolved Specialized Skills of Social Cognition: The Cultural Intelligence Hypothesis. Press conference at Berlin-Brandenburg Academy of Sciences and Humanities, Berlin, Germany.

### **OTHER PRESENTATIONS**

Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2019). Young children's reputational strategies in a peer group context. Paper presented at the Society for Research in Child Development, Baltimore, MD.

- Engelmann, J. M. Haux, L. M., Zeidler, H., & **Herrmann, E.** (2018). Social comparison in children and chimpanzees. Talk presented at the Department of Psychology, Boston College, Boston, MA.
- Engelmann, J.M., Haux, L.M., & **Herrmann, E.** (2018). Preferential helping of friends in chimpanzees and human children. Talk presented at the International Primatological Society, Nairobi, Kenya.
- Engelmann, J. M., Clift, J. B., **Herrmann, E.**, & Tomasello, M. (2018). How chimpanzees react to unfair treatment. Paper presented at the Workshop on 'Shared Agency and Obligation', Humboldt University, Berlin, Germany.
- Koomen, R., & **Herrmann, E.** (2018). Unlikely Cooperation: Studying the Behaviour of Children and Chimpanzees in Resource Dilemmas. Paper presented at the Cooperation: Interdisciplinary methods workshop, Lille, France.
- Koomen, R., & **Herrmann, E.** (2017). Common-pool magic water: an investigation into the social strategies of 6-year-old children in a resource dilemma. Paper presented at the 17th International Conference on Social Dilemmas, Taormina, Sicily.
- Engelmann J.M., **Herrmann, E.**, & Tomasello, M. (2017). Concern for group reputation increases prosociality in young children. Paper presented at the Society for Research in Child Development, Austin, USA.
- Engelmann J.M., **Herrmann, E.** (2017). 3-year-old children preferentially help their friends. Paper presented at the Society for Research in Child Development, Austin, USA.
- Koomen, R., & **Herrmann, E.** (2017). "Common-pool magic water: an investigation into the social strategies of 6-year-old children in a resource dilemma". Poster presented at the Society for Research in Child Development, Austin, USA.
- Rapp, D. J., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2017). Young children share more to promote a positive reputation than they do to avoid a negative reputation. Poster presented at the Society for Research in Child Development Conference, Austin, USA.
- Eckert, J., Call, J., **Herrmann, E.**, & Rakoczy, H. (2017). Signature limits of intuitive statistics in great apes. Paper presented at Behaviour Conference, Estoril, Portugal.
- Engelmann J.M., **Herrmann, E.**, & Tomasello, M. (2017). Concern for group reputation increases prosociality in young children. Poster presented at the Cognitive Development Society, Portland, USA.
- Kanngiesser, P., **Herrmann, E.**, Schäfer, M., Zeidler, H., Tomasello, M. (2017). How do peer groups of children from four small-scale populations coordinate access to a non-divisible resource? PAEPSY, Münster, Germany.
- Koomen, R., & **Herrmann, E.** (2016). "Common-pool carrots: an investigation into chimpanzees' social strategies in a resource dilemma". Poster presented at Rovereto Workshop on Cognition and Evolution, Rovereto, Italy.
- Koomen, R., & **Herrmann, E.** (2016). "How semi-captive chimpanzees (*Pan troglodytes*) adjust feeding rate according to social context and resource attributes in two co-feeding experiments". Paper presented at the International Primatological Society Conference, Chicago, USA.
- Engelmann J.M., & **Herrmann, E.** (2016). Chimpanzees trust their friends. Paper presented at the International Primatological Society, Chicago, USA.
- Ebel, S. J., Schmelz, M., **Herrmann, E.**, Call, J. (2016). Do chimpanzees anticipate the outcome of their actions? Poster presented at the 28th Conference of the Human Behaviour and Evolution Society, Vancouver, Canada.

- Ebel, S. J., Schmelz, M., **Herrmann, E.**, Call, J. (2016). Do chimpanzees anticipate the outcome of their actions? Poster presented at the 24th Conference of the European Society for Philosophy and Psychology, St Andrews, Scotland.
- Ebel, S. J., Schmelz, M., **Herrmann, E.**, Call, J. (2016). Do chimpanzees anticipate the outcome of their actions? Poster presented at the Interdisciplinary Workshop "Rational animals?" Bochum, Germany.
- Rapp, D. J., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2016). The prospect of being honored and the fear of being shamed promote 5-year-olds' sharing behavior. Poster presented at the Society for Philosophy and Psychology Conference, Austin, Texas, USA.
- Zeidler, H., **Herrmann, E.**, Haun, D. B. M., & Tomasello, M. (2016). Children's response to limited resource problems in three different cultures. Poster presented at the 23rd International Congress of the International Association for Cross-Cultural Psychology, Nagoya, Japan.
- Engelmann, J.M., **Herrmann, E.**, Rapp, D.J., & Tomasello, M. (2015). Young children do the right thing even if their peers do not. Paper presented at the Society for Research in Child Development, Philadelphia, USA.
- Herrmann, E.** & Tomasello, M. (2015). Focusing and shifting attention in human children and chimpanzees. Poster presented at the Society for Research in Child Development, Philadelphia, USA.
- Knofe, H., **Herrmann, E.**, & Tomasello, M. (2015). Turn taking in chimpanzees and human children. Poster presented at the Reciprocity and Social Cognition conference, Berlin School of Mind and Brain, Berlin, Germany.
- Herrmann, E.** & Tomasello, M. (2015). Focusing and shifting attention in human children and chimpanzees. Poster presented at the Budapest CEU Conference on Cognitive Development Conference, Budapest, Hungary.
- Knofe, H., **Herrmann, E.**, & Tomasello, M. (2015). Turn taking in chimpanzees and human children. Poster presented at the Budapest CEU Conference on Cognitive Development Conference, Budapest, Hungary.
- Rapp, D. J., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2015). Having and making choices: the impact of free choice on children's prosocial motivation. Poster presented at the Budapest CEU Conference on Cognitive Development Conference, Budapest, Hungary.
- Engelmann, J.M., **Herrmann, E.**, & Tomasello., M. (2015). Chimpanzees trust conspecifics to engage in low cost reciprocity. Paper presented at the Meeting of the Primatological Society, Leipzig, Germany.
- Knofe, H., **Herrmann, E.**, & Tomasello, M. (2015). Turn taking in chimpanzees and human children. Poster presented at the Meeting of the Primatological Society, Leipzig, Germany.
- Koomen, R., & **Herrmann, E.** (2015). "Feast or famine: an investigation of scarcity effects in chimpanzees". Poster presented at the Meeting of the Primatological Society, Leipzig, Germany.
- Koomen, R., & **Herrmann, E.** (2015). "Feast or Famine: An Investigation of Scarcity and Co-Feeding Effects in Chimpanzees". Poster presented at 6th European Federation for Primatology Meeting, Rome, Italy.
- Koomen, R., & **Herrmann, E.** (2015). "Feast or famine: an investigation of scarcity and co-feeding effects in chimpanzees". Poster presented at the Göttinger Freilandtage, Göttingen, Germany.
- Julle-Danière, E., **Herrmann, E.**, Micheletta, J., Waller, B.M. (2015). Cultural and developmental variation in facial expression of determination. Primate Society of Great Britain, UK.

- Vaish, A., **Herrmann, E.**, Markmann, C., & Tomasello, M. (2014). Preschoolers value those who sanction non-cooperators. Paper presented at the Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Engelmann, J.M., **Herrmann, E.**, & Tomasello, M. (2014). Trust in chimpanzees. Paper presented at the International Primatological Society, Hanoi, Vietnam.
- Herrmann, E.**, Waller, B.M., Misch, A., Whitehouse, J., & Tomasello, M. (2014). Self-control, determination and facial expression in human children and chimpanzees. Paper presented at the International Primatological Society, Hanoi, Vietnam.
- Engelmann, J.M., **Herrmann, E.**, & Tomasello, M. (2013). Young children care about their reputation. Paper presented at the Society for Research in Child Development, Seattle, USA.
- Engelmann, J.M., **Herrmann, E.**, & Tomasello, M. (2013). Preschoolers affect others' reputations through prosocial gossip. Poster presented at the Society for Research in Child Development, Seattle, USA.
- Herrmann, E.** & Tomasello, M. (2013). Temperamental Commonalities and Differences in Human Children and Chimpanzees. Poster presented at the Society for Research in Child Development, Seattle, USA.
- Engelmann J.M., **Herrmann E.**, & Tomasello M. (2013). Young children care more about their reputation with ingroup members and potential reciprocators. Poster presented at the CEU Conference on Cognitive Development, Budapest, Hungary.
- Herrmann, E.** (2013). Temperament differences across individuals and species. Department of Primatology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.
- Vaish, A., **Herrmann, E.**, Markmann, C., & Tomasello, M. (2013). Preschoolers value and prefer norm-enforcers. Poster presented at the 16 th European Conference on Developmental Psychology, Lausanne, Switzerland.
- Herrmann, E.** (2012). Cognition and temperament in bonobos compared to chimpanzees. Paper presented at the International Primatological Society, Cancun, Mexico.
- Wobber, V., **Herrmann, E.**, Hare, B., Wrangham, R., & Tomasello, M. (2012). Differences in cognitive development among young humans, bonobos, and chimpanzees. Paper presentation at the International Conference on Infant Studies, Minneapolis, USA.
- Wobber, V., **Herrmann, E.**, Hare, B., Wrangham, R., & Tomasello, M. (2012). Differing patterns of cognitive development in children and juvenile apes. Poster presented at the International Conference on Infant Studies, Minneapolis, USA.
- Wobber, V., **Herrmann, E.**, Hare, B., Wrangham, R., & Tomasello, M. (2011). Species differences in the rate of cognitive ontogeny among humans, chimpanzees, and bonobos. Paper presentation at the American Association of Physical Anthropologists 80th Annual Meeting, Minneapolis, USA.
- Wobber, V., **Herrmann, E.**, Hare, B., Wrangham, R., & Tomasello, M. (2011). Human Infants Exhibit Accelerated Cognitive Development Relative to Chimpanzee and Bonobo Infants. Poster presented at the Society for Research in Child Development Biennial Meeting, Montreal, Canada.
- Wobber, V., **Herrmann, E.**, Hare, B., Wrangham, R., & Tomasello, M. (2011). Human children exhibit accelerated cognitive development relative to juvenile chimpanzees and bonobos. Harvard-Yale Social and Developmental Psychology Workshop: Yale University, USA.
- Herrmann, E.**, Hernández-Lloreda, M.V., Call, J., Hare, B., & Tomasello, M. (2010). Common and Unique Components in the Cognitive Skills of Chimpanzees and

- Human Children: Evidence from Individual Differences. Poster presented at the 17th International Conference on Infant Studies, Baltimore, USA.
- Herrmann, E.**, Hare, B., Call, J., Hernández-Lloreda, M.V., & Tomasello, M. (2010). A comparison of cognitive abilities and temperament of bonobos and chimpanzees. Paper presented at the International Primatological Society, Kyoto, Japan.
- Keupp, S., **Herrmann, E.**, Vaish, A., & Tomasello, M. (2009). Great apes and human children evaluate others' social behavior. Poster presented at 'The Primate Mind: Built to connect with other minds' workshop in Erice, Sicily.
- Herrmann, E.**, Hare, B., Cissewski, J., & Tomasello, M. (2009). The origin of human temperament: Differences in the response to novelty among great apes and human children. Poster presented at Society for Research in Child Development, Denver, USA.
- Herrmann, E.**, Hernández-Lloreda, M.V., Hare, B., Call, J. & Tomasello, M. (2008). A comparison of physical and social cognitive abilities of great apes and human children. Poster presented at Minds and Societies, Montreal, Canada.
- Herrmann, E.** (2008). Bonobo and Chimpanzee Cognition. Department of Primatology, Max Planck Institute for evolutionary Anthropology, Leipzig, Germany.
- Herrmann, E.** (2007). Physikalische Kognition. Zoo Leipzig, Leipzig, Germany.
- Herrmann, E.** (2007). Do apes form reputations based on observations of others interacting? Paper presented at Ape economics: A workshop on social decision-making in human and nonhuman apes, Leipzig, Germany.
- Herrmann, E.** & Tomasello, M. (2006). Understanding of communicative gestures in cooperative and competitive situations in great apes and human children. Paper presented at the International Primatological Society Conference, Entebbe, Uganda.
- Herrmann, E.**, Hare, B. & Tomasello, M. (2004). Apes are more skillful in using a competitive than a cooperative cue. Poster presented at the International Primatology Society, Torino, Italy.

## **AD HOC REVIEWER**

### **Journals**

Animal Behaviour, Animal Cognition, Behaviour, Current Biology, Developmental Science, Developmental Psychology, International Journal of Comparative Psychology, Journal of Comparative Psychology, Neurobiology of Aging, PloS One, Proceedings of the Royal Society B, Psychological Science

### **Funding Bodies**

Leakey Foundation, Graduiertenkolleg Göttingen

## **SELECTED MEDIA COVERAGE**

### **TV/ Radio**

Why Do We Gossip?, *National Public Radio*, 05/2016  
 Affe gegen Mensch, Pur+, *Kika (ARD)*, 09/2011, 09/2017  
 Mensch und Affe, *Deutsche Welle*, 07/2010



Affe und Mensch - wo ist der Unterschied? *Deutsche Welle*, 06/2010, 7/2010  
The Human Spark: So Human, So Chimp, *PBS*, 01/2010  
Wie viel Mensch steckt im Affen: Die Intelligenz der Menschenaffen - und warum Menschen erfolgreicher sind, Quarks & Co, *WDR*, 10/2009, 08/2010  
Ape Genius, *Nova*, 02/2008  
Denkevolution. *Deutschlandfunk*, 09/2007  
Weil wir nachmachen, sind wir klüger als die Affen, *3Sat Nano*, 12/2006  
Evolution des Lernens, *MPG*, 08/2006

### **Print national**

Auch Affen vertrauen ihren Freunden. *Süddeutsche Zeitung*, 01/2016  
Schimpansen-Beziehungen: Vertrauen riskieren, Genuss ernten. *Spiegel online*, 01/2015  
Was ist das Ich? *ZEIT Wissen*, 02/2012  
Suche nach der Menschformel. *Der Spiegel*, 05/2009  
Verhaltensforschung: Was das Kleinkind vom Affen unterscheidet. *Spiegel online*, 9/2007  
Soziale Köpfe im Tierreich. *FAZ*, 09/2007  
Sozial ist schlau. *Die Zeit*, 09/2007  
Was Affe und Mensch unterscheidet. *Bild der Wissenschaft*, 09/2007  
Affen knobeln besser, Kinder lernen schneller. *n-tv*, 09/2007  
Intelligente Tiere. *Die Welt*, 09/2007  
Gut in Mengenlehre. *Berliner Zeitung*, 09/2007  
Sind andere auch klug? *Die Presse*, 09/2007  
Intelligenztest für Primaten. *Der Tagesspiegel*, 09/2007  
Weil wir nachmachen, sind wir klüger als Affen. *3sat*, 12/2006  
Intelligenztest für Schimpansen: Warum Frauen cleverer sind. *Spiegel Online*, 11/2005

### **Print international**

Like humans, chimpanzees trust their friends. *Science*, 01/2016  
Just like us: chimps have friendships built on trust. *The Times*, 01/2016  
Los chimpancés confían en sus amigos. *EL PAIS*, 01/2016  
Chez le chimpanzé aussi, amitié se conjugue avec confiance. *Le Monde*, 01/2016  
What makes a chimpanzee a BFF? Trust, study finds. *Los Angeles Times*, 01/2016  
Chimps like humans, make friends based on trust. *THE TIMES OF INDIA*, 01/2016  
Chimp friendships based on trust. *Nature 529*, 01/2016  
Determination might be a very human expression, *Science Daily*, 3/2014  
Natasha, 'Genius Chimp,' Aces Intelligence Tests. *Huffington Post*, 8/2012  
Meet the primate prodigy: Natasha the chimp genius stuns scientists with her human-like levels of intelligence, *Daily Mail*, 3/2012  
Kinder sind grossartige Imitatoren. *Neue Zürcher Zeitung*, 09/2007

Humans' Complex Social Skills Due to Larger Brains. *National Geographic*, 09/2007  
 Human Toddlers Trump Apes on Social Skill. *Scientific American*, 09/2007  
 Higher social skills are distinctly human, toddler and ape study reveals. *EurekAlert!*, 09/2007  
 Babies and Chimps Compete in Mental Olympics. *The New York Times*, 09/2007  
 Social skills help toddlers outstrip apes in intelligence tests. *The Guardian*, 09/2007  
 Children outsmart chimps. *The Telegraph*, 09/2007  
 Tots top chimps in social abilities. *Chicago Tribune*, 09/2007  
 L'intelligence sociale est-elle le propre de l'homme? *Science et Avenir*, 09/2007  
 Habilidades sociales, una destreza humana. *La Nacion*, 09/2007  
 Avances sobre la inteligencia humana. *Universia*, 09/2007  
 Aprenden niños por imitación, superan socialmente a monos. *El Universal*, 09/2007

### **PEER-REVIEWED PUBLICATIONS**

Published articles: 48 (+ 3 submitted); Citations: 3495; H-index: 21; (Source: Google Scholar)

- Knofe, H., Engelmann, J.M., & **Herrmann, E.** (submitted). I'll help you if you help me: Chimpanzees' and children's reactions towards helpful and unhelpful partners.
- Koomen, R., Grüneisen, S., & **Herrmann, E.** (submitted). Children delay gratification for cooperative ends: a joint marshmallow test.
- Sima, M.J., Blum, C., **Herrmann, E.**, & Pika, S. (submitted). Cognitive skills and cognitive development in ravens (*Corvus Corax*).
- Ebel, S.J., Schmelz, M., **Herrmann, E.** & Call, J. (2019). Innovative problem solving in great apes. The role of visual feedback in the floating peanut task. *Animal Cognition*, 22(5), 791-805.
- Engelmann, J.M., Haux, L.M., & **Herrmann, E.** (2019). Helping in young children and chimpanzees shows partiality toward friends. *Evolution and Human Behavior*, 40(3), 292-300.
- Hepach, R., & **Herrmann, E.** (2019). Prosocial attention in children across two cultures. *Frontiers in Psychology*, 10:138.
- Herrmann, E.**, Haux, L. M., Zeidler, H., & Engelmann, J. M. (2019). Human children but not chimpanzees make irrational decisions due to social comparison. *Proceedings of the Royal Society B*, 286 (1894), 20182228.
- Herrmann, E.**, Engelmann, J. M., & Tomasello, M. (2019). Children engage in competitive altruism. *Journal of Experimental Child Psychology*, 179, 176-189.
- Knofe, H., Engelmann, J.M., Tomasello, M., & **Herrmann, E.** (2019). Chimpanzees monopolize and children take turns in a limited resource problem. *Scientific Reports*, 9, 7597.
- Rapp, D. J., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2018). Young Children's Reputational Strategies in a Peer Group Context. *Developmental Psychology*, 55(2), 329-336.
- Eckert, J., Call, J., Hermes, J., **Herrmann, E.**, & Rakoczy, H. (2018). Intuitive statistical inferences in chimpanzees and humans follow Weber's Law. *Cognition*, 180, 99-107.
- Eckert, J., Rakoczy, H., Call, J., **Herrmann, E.**, & Hanus, D. (2018). Chimpanzees consider humans' psychological states when drawing statistical inferences.

- Current Biology*, 28, 1959–1963
- Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2018). Concern for group reputation increases prosociality in young children. *Psychological Science*, 29(2), 181-190.
- Koomen, R., & **Herrmann, E.** (2018). Chimpanzees overcome the tragedy of the commons with dominance. *Scientific Reports*, 8:10389. DOI:10.1038/s41598-018-28416-8.
- Koomen, R., & **Herrmann, E.** (2018). Common-Pool Magic Water: An investigation of children's strategies for overcoming the tragedy of the commons. *Nature Human Behaviour*. Advance online publication. doi: 10.1038/s41562-018-0327-2.
- Koomen, R., & **Herrmann, E.** (2018). The effects of social context and food abundance on chimpanzee feeding competition. *American Journal of Primatology*, 80(2): e22734.
- Engelmann, J. M., Clift, J. B., **Herrmann, E.**, & Tomasello, M. (2017). Social disappointment explains chimpanzees' behaviour in the inequity aversion task. *Proceedings of the Royal Society B: Biological Sciences*, 284(1861): 20171502.
- Haux, L. M., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2017). Do young children preferentially trust gossip or firsthand observation in choosing a collaborative partner? *Social Development*, 26(3), 466-474.
- MacLean, E. L., **Herrmann, E.**, Suchindran, S., & Hare, B. (2017). Individual differences in cooperative communicative skills are more similar between dogs and humans than chimpanzees. *Animal Behaviour*, 126, 41-51.
- Rapp, D. J., Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2017). The impact of choice on young children's prosocial motivation. *Journal of Experimental Child Psychology*, 158, 112-121.
- Engelmann, J. M., & **Herrmann, E.** (2016). Chimpanzees trust their friends. *Current Biology*, 26(2), 252-256.
- Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2016). Preschoolers affect others' reputations through prosocial gossip. *British Journal of Developmental Psychology*, 34(3), 447-460.
- Engelmann, J. M., **Herrmann, E.**, & Tomasello, M. (2016). The effects of being watched on resource acquisition in chimpanzees and human children. *Animal Cognition*, 19(1), 147-151.
- Engelmann, J. M., **Herrmann, E.**, Rapp, D., & Tomasello, M. (2016). Young children (sometimes) do the right thing even when their peers do not. *Cognitive Development*, 39, 86-92.
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## **BOOK CHAPTERS**

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