Sebastian Grüneisen

Max Planck Institute for Evolutionary Anthropology

Department of Developmental and Comparative Psychology

Deutscher Platz 6 • 04103 Leipzig • Germany

0049 (0) 341 3550 462

sebastian\_grueneisen@eva.mpg.de

http://www.eva.mpg.de/psycho/staff/sebastian-grueneisen/index.html

**Education**



2011-2015 PhD student, Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

Advisor: Michael Tomasello

2009-2010 Master in Evolutionary and Comparative Psychology, University of St Andrews, United Kingdom

2005-2008 Bachelor in Psychology, Northumbria University at Newcastle upon Tyne, United Kingdom

**Current position**



Since 2015 Postdoctoral research fellow, Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

**Publications**



**Grueneisen, S.**,& Wyman, E. (forthcoming). Human cooperation: Ontogenetic and evolutionary origins. In L. Workman, W. Reader, & J. Barkow (eds.), *Cambridge Handbook of Evolutionary Perspectives on Human Behavior*. Cambridge University Press.

**Grueneisen, S.\*,** Duguid, S.\*, Saur, H., & Tomasello, M. (2017). Children, chimpanzees, and bonobos adjust the visibility of their actions for cooperators and competitors. *Scientific Reports*.

\*equal contribution

**Grueneisen, S**., & Tomasello, M. (2017). Children coordinate in a recurrent social dilemma by taking turns and along dominance asymmetries. *Developmental Psychology*, 53, 265-273. doi:10.1037/dev0000236

Schmelz, M.\*, **Grueneisen, S**.**\***, Kabalak, A., Jost, J., & Tomasello, M. (2017). Chimpanzees return favors at a personal cost. *PNAS, 114,* 7462-7467*.*

\*equal contribution

**Grueneisen, S**., Wyman, E., & Tomasello, M. (2015). Children use salience to solve coordination problems. *Developmental Science, 18,* 495-501. doi:10.1111/desc.12224

**Grueneisen, S**., Wyman, E., & Tomasello, M. (2015). Conforming to coordinate: Children use majority information for peer coordination. *British Journal of Developmental Psychology, 33*, 136-147. doi:10.1111/bjdp.12078

**Grueneisen, S**., Wyman, E., & Tomasello, M. (2015). “I know you don’t know I know...” Children use second-order false-belief reasoning for peer coordination. *Child Development, 86,* 287-293. doi:10.1111/cdev.12264

Hepach, R., Kliemann, D., **Grueneisen, S**., Heekeren, H.R., & Dziobek, I. (2011). Conceptualizing emotions along the dimensions of valence, arousal and communicative frequency – Implications for social-cognitive test and training tools. *Frontiers in Psychology* 2. doi:10.3389/fpsyg.2011.00266

**Invited Talks**



2017 Children’s use of recursive mental state reasoning for peer coordination. Workshop ‘Microfoundations of Expectations’, Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany.

2016Coordinating with conflicting interests: Children’s behavior in a repeated chicken game. School of Psychological Sciences, The University of Manchester, United Kingdom.

2016 Coordinating with conflicting interests: Children’s behavior in a repeated chicken game. School of Economics, The University of Nottingham, United Kingdom.

2014 Peer coordination in children. Workshop ‘The Social Mind: Origins of Collective Reasoning’, Oslo, Norway.

**Conference presentations**



### 2017 The role of interdependence in children’s cooperative decision-making in conflicts of interest. *17th International Conference on Social Dilemmas*, Taormina, Sicily, Italy (Talk)

### 2017 Rules created by groups of children facilitate coordination in a recurrent conflict of interest. *Society for Research in Child Development*, Austin, USA (Talk)

2016 Rules created by groups of children facilitate coordination in a recurrent conflict of interest. *Deutsche Gesellschaft für Psychologie,* Leipzig, Germany (Talk)

2016 Chimpanzees (*Pan troglodytes*) provide food benefits to conspecifics, but only after receiving their assistance. *International Primatology Society*, Chicago, USA (Talk)

2016 Chimpanzees provide food benefits to conspecifics after receiving their assistance. *Chimpanzees in Context*, Chicago, USA (E-Poster)

2016 Chimpanzees provide benefits to conspecifics after receiving their assistance. *European Human Behaviour and Evolution Association*, London, United Kingdom (Talk)

2015 Children coordinate in a repeated chicken game by taking turns and through dominance. *Göttinger Freilandtage*, Göttingen, Germany (Talk)

2015 Conforming to coordinate: Children use majority information for peer coordination. *Society for Research in Child Development*, Philadelphia, USA (Poster)

2015 Coordinating with conflicting interests – children’s behavior in an iterated ‘game of chicken’. *Society for Research in Child Development*, Philadelphia, USA (Poster)

2014 “I know you don’t know I know...” Children use second-order false-belief reasoning for peer coordination. *European Society for Philosophy and Psychology*, Noto, Italy (Poster)

2014 Conforming to coordinate: Children use majority information for peer coordination. *Human Behavior and Evolution Society*, Natal, Brazil (Poster)

2014Children coordinate in a two-person volunteer’s dilemma. Summer Institute on Bounded Rationality, *Max Planck Institute for Human Development*, Berlin, Germany (Poster)

2014 “I know you don’t know I know...” Children use second-order false-belief reasoning for peer coordination. *European Human Behaviour and Evolution Association*, Bristol, United Kingdom (Talk)

2013 Children use salience to solve coordination problems. *Minds in Common - Second Aarhus-Paris Conference on Coordination and Common Ground*, Paris, France (Poster)

2013 Children use salience to solve coordination problems. *Society for Research in Child Development*, Seattle, USA (Poster)

2013 Children can solve coordination problems by using salience. *Joint Action Meeting*, Berlin, German (Poster)

2013 Children use salience to solve coordination problems. *European Human Behaviour and Evolution Association*, Amsterdam, Netherlands (Poster)

**Work/Research experience**



2014 Summer Institute on Bounded Rationality, Max Planck Institute for Human Development, Berlin, Germany

2009 Student assistant, Department for Adaptive Behavior and Cognition (Director: Gerd Gigerenzer), Max Planck Institute for Human Development, Berlin, Germany, advisor: Jeffrey Stevens

2008 Research internship, Department for Neurocognition of Decision Making (Director: Hauke Heekeren), Max Planck Institute for Human Development, Berlin, Germany, advisor: Isabel Dziobek

2006 Student assistant, ambulant neurological rehabilitation unit, Sankt Gertrauden Hospital, Berlin, Germany

**Teaching and supervision experience**



2014/2015 Seminar on Prosocial Behavior taught at the undergraduate level at the Department of Psychology, University of Leipzig

2014/2015 Supervision of Bachelor’s thesis of B.Sc. Heiko Saur (together with Prof. Michael Tomasello)

2014/2015 Supervision of Master’s thesis of M.Sc. Roman Stengelin (together with Prof. Michael Tomasello)

**Ad hoc reviewer**



*Child Development*, *Cognition*, *Cognitive Development, Journal of Experimental Child Psychology*, *Journal of Comparative Psychology*, *Journal of Genetic Psychology*, *Philosophical Transactions of the Royal Society B*, *Proceedings of the Royal Society B*

**Media coverage**



|  |  |
| --- | --- |
| Science | <http://www.sciencemag.org/news/2017/06/true-altruism-seen-chimpanzees-giving-clues-evolution-human-cooperation> |
| Scientific American | <https://www.scientificamerican.com/video/chimps-engage-in-costly-quid-pro-quo/> |
| IFLScience | <http://www.iflscience.com/plants-and-animals/evidence-suggests-that-chimpanzees-may-display-true-altruism/all/> |
| The Wall Street Journal | <https://www.wsj.com/articles/what-chimps-understand-about-reciprocity-1500652371> |
| Phys.org | <https://phys.org/news/2017-06-apes-food-conspecifics-previously.html> |
| Daily Mail | <http://www.dailymail.co.uk/sciencetech/article-4644244/Apes-provide-food-helped-them.html> |
| Sciences et Avenir | <https://www.sciencesetavenir.fr/animaux/les-dessous-de-l-altruisme-chez-les-chimpanzes_114225> |
| Svenska Dagbladet | <https://www.svd.se/aven-apor-kan-vara-osjalviska> |
| Mother Nature Network | <https://www.mnn.com/lifestyle/responsible-living/blogs/chimpanzees-favors-collective-action> |
| Scinexx | <http://www.scinexx.de/wissen-aktuell-21589-2017-06-23.html> |
| Science News | <https://www.sciencenews.org/article/children-negotiate-taking-turns-surprisingly-early-life> |