

Curriculum Vitae

Sebastian Grüneisen
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Professional appointments

- Since 2018 Marie Skłodowska-Curie Fellow, Department of Psychology, University of Michigan, Ann Arbor, USA/Center for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany
- 2015-2017 Postdoctoral Research Fellow, Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

Education

- 2011-2015 PhD, 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, UK
- 2005-2008 Bachelor in Psychology, Northumbria University at Newcastle upon Tyne, UK

Peer-Reviewed Journal Articles

- Grüneisen, S.**, & Tomasello, M. (in press). The development of coordination via joint expectations for shared benefits. *Developmental Psychology*.
- Duguid, S., Wyman, E., **Grüneisen, S.**, & Tomasello, M. (in press). The strategies used by chimpanzees (*Pan troglodytes*) and children (*Homo sapiens*) to solve a simple coordination problem. *Journal of Comparative Psychology*.
- Koomen, R.*, **Grüneisen, S.***, & Herrmann, E. (2020). Children delay gratification for cooperative ends. *Psychological Science*, 31, 139–148.
***shared first authorship**
- Schmelz, M., **Grüneisen, S.**, & Tomasello, M. (2019). The psychological mechanisms underlying reciprocal prosociality in chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology*. Advance Online Publication.
- Grüneisen, S.**, & Tomasello, M. (2019). Children use rules to coordinate in a social dilemma. *Journal of Experimental Child Psychology*, 179, 362–374.
- Stengelin, R., **Grüneisen, S.**, & Tomasello, M. (2018). Why should I trust you? Investigating young children's mistrust in potential deceivers. *Cognitive Development*, 48, 146–154.
- Grüneisen, S.***, Duguid, S.*, Saur, H., & Tomasello, M. (2017). Children, chimpanzees, and bonobos adjust the visibility of their actions for cooperators and competitors. *Scientific Reports*, 7, 8504.
***shared first authorship**
- Grüneisen, S.**, & Tomasello, M. (2017). Children coordinate in a recurrent social dilemma by taking turns and along dominance asymmetries. *Developmental Psychology*, 53, 265–273.
- Schmelz, M.*, **Grüneisen, S.***, Kabalak, A., Jost, J., & Tomasello, M. (2017). Chimpanzees return favors at a personal cost. *Proceedings of the National Academy of Sciences*, 114, 7462–7467.
***shared first authorship**

- Grueneisen, S.**, Wyman, E., & Tomasello, M. (2015). Children use salience to solve coordination problems. *Developmental Science*, 18, 495–501.
- 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.
- 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.
- 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.

Book Chapter

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- Grueneisen, S.**, & Wyman, E. (2020). Human cooperation: Ontogenetic and evolutionary origins. In L. Workman, W. Reader, & J. Barkow (eds.), *Cambridge Handbook of Evolutionary Perspectives on Human Behavior* (pp. 265–275). Cambridge University Press.

Invited Talks

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- 2019 Cooperative decision-making in young children, Department of Psychology, *University of Chicago, USA*
- 2019 Social cognition in chimpanzees’ cooperative decision-making. Biopsychology Colloquium, *University of Michigan, USA*.
- 2019 The role of interdependence in children’s cooperative decision-making. Behaviour Discussion Group, *University of St Andrews, UK*.
- 2019 The role of interdependence in children’s cooperative decision-making. Department of Philosophy, *University of Warwick, UK*.
- 2019 The role of interdependence in children’s cooperative decision-making. *Leipzig Research Center for Early Child Development, Leipzig, Germany*.
- 2018 The role of interdependence in children’s cooperative decision-making. Department of Psychology, *Yale University, USA*.
- 2018 The role of interdependence in children’s cooperative decision-making. SBEE Seminar Series, *University of Michigan, USA*.
- 2018 The psychological origins of trust-based cooperation. Center for Adaptive Rationality, *Max Planck Institute for Human Development, Berlin, Germany*.
- 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*.
- 2016 Coordinating with conflicting interests: Children’s behavior in a repeated chicken game. School of Psychological Sciences, *University of Manchester, UK*.
- 2016 Coordinating with conflicting interests: Children’s behavior in a repeated chicken game. School of Economics, *University of Nottingham, UK*.
- 2014 Peer coordination in children. Workshop ‘The Social Mind: Origins of Collective Reasoning’, *University of Oslo, Norway*.

Conference presentations

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- 2019 Children delay gratification to cooperate: a joint marshmallow test with German and Kenyan children. *18th International Conference on Social Dilemmas*, Sedona, USA (Talk)
- 2019 Children delay gratification to cooperate: a joint marshmallow test with German and Kenyan children. *European Human Behaviour and Evolution Association*, Toulouse, France (Talk)

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- 2019 The development of joint expectations for shared benefits in children. *Society for Research in Child Development*, Baltimore, USA (Talk)
- 2019 Children delay gratification to cooperate: a joint marshmallow task. *Society for Research in Child Development*, Baltimore, USA (Talk)
- 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, UK (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)
- 2014 Children 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, UK (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, Germany (Poster)
- 2013 Children use salience to solve coordination problems. *European Human Behaviour and Evolution Association*, Amsterdam, Netherlands (Poster)

Ad hoc reviewer

Behavior Research Methods, Child Development, Cognition, Cognitive Development, International Journal of Behavioral Development, Journal of Experimental Child Psychology, Journal of Comparative Psychology, Journal of Genetic Psychology, Nature Communications, Nature Human Behaviour, Philosophical Psychology, Philosophical Transactions of the Royal Society B, PLOS One, Proceedings of the Royal Society B, Scientific Reports, Synthese

Teaching and mentoring experience

- 2018/2019 Seminars taught at Michigan Summer Program in Cognition and Early Development (MSPICED)
- 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)

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

Media coverage

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| 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-quit-pro-quo/ |
| The Wall Street Journal | https://www.wsj.com/articles/what-chimps-understand-about-reciprocity-1500652371 |
| Greater Good Magazine, UC Berkeley | https://greatergood.berkeley.edu/article/item/kids_do_better_on_the_mars_hmallow_test_when_they_cooperate |
| Ars Technica | https://arstechnica.com/science/2020/01/new-twist-on-marshmallow-test-kids-depend-on-each-other-for-self-control/ |
| NRC Handelsblad | https://www.nrc.nl/nieuws/2020/02/11/marshmallowtest-gaat-veel-beter-met-zijn-tweeen-a3990016 |
| The Conversation | https://theconversation.com/merece-la-pena-esperar-132028 |
| The Behavioral Scientist | https://behavioralscientist.org/research-lead-social-tipping-points-a-marshmallow-dilemma-the-most-annoying-sound-in-the-world-and-more/ |
| IFLScience | http://www.iflscience.com/plants-and-animals/evidence-suggests-that-chimpanzees-may-display-true-altruism/all/ |
| 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 |

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- 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>