

Manuel Bohn

Department of Comparative Cultural Psychology	Email:	manuel_bohn@eva.mpg.de
Max Planck Institute for Evolutionary Anthropology	Homepage:	https://manuelbohn.github.io/
Deutscher Platz 6	Twitter:	@elManuBohn
04103 Leipzig	GitHub:	https://github.com/manuelbohn

Education

Ph.D. Psychology, Leipzig University, 2016

Advisors: Josep Call and Michael Tomasello

M.Sc. Psychology, University of Vienna, 2013

Employment

- 2020 – present Group Leader / Postdoctoral Researcher
Department of Comparative Cultural Psychology
Max Planck Institute for Evolutionary Anthropology, Germany
- 2017 – 2020 Marie Skłodowska-Curie Fellow
Language and Cognition Lab, Stanford University, USA &
Leipzig Research Center for Early Child Development, Germany
- 2016 – 2017 Postdoctoral Researcher
Department of Developmental and Comparative Psychology
Max Planck Institute for Evolutionary Anthropology, Germany
- 2013 – 2016 PhD Student
Department of Developmental and Comparative Psychology
Max Planck Institute for Evolutionary Anthropology, Germany

Publications

* Student author ** Group authorship

Peer reviewed journal articles

1. BOHN, M., *Schmidt, L. S., Schulze, C., Frank, M. C., & Tessler, M. H. (2022). Modeling individual differences in children's information integration during pragmatic word learning. *Open Mind*, 6, 311–326.
2. **MANYPRIMATES, et al. (2022). The evolution of primate short-term memory *Animal Behavior and Cognition*, 9(4), 428–516.
3. Bang, J., BOHN, M., Ramirez, J., Marchman, V., & Fernald, A. (2022). Spanish-speaking caregivers' use of referential labels with toddlers is a better predictor of later vocabulary than their use of referential gestures. *Developmental Science*, e13354.
4. BOHN, M., Liebal, K., & Tessler (2022). Great ape communication as contextual social inference: a computational modeling perspective. *Philosophical Transactions of the Royal Society B*, 377, 20210096
5. BOHN, M., Tessler, M. H., Merrick, M., & Frank, M. C. (2022). Predicting pragmatic cue integration in adults' and children's inferences about novel word meanings. *Journal of Experimental Psychology: General*, 151(11), 2927–2942.

6. Margiotoudi, K., BOHN, M., Schwob, N., Taglialatela, J., Pulvermüller, F., Epping, A., Schweller, K., & Allritz, M. (2021). Bo-NO-bouba-kiki: Picture-word mapping but no spontaneous sound symbolic speech-shape mapping in a language trained bonobo. *Proceedings of the Royal Society B*, 289, 20211717
7. BOHN, M., Tessler, M. H., Merrick, M., & Frank, M. C. (2021). How young children integrate information sources to infer the meaning of words. *Nature Human Behaviour*, 5, 1046-1054
8. Eckert, J., BOHN, M., & Spaethe, J. (2021). Does quantity matter to a stingless bee?. *Animal Cognition*.
9. BOHN, M., Eckert, J., Hanus, D., & Haun, D. (2021). A Longitudinal Study of Great Ape Cognition: Stability, Reliability and the Influence of Individual Characteristics. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society*
10. BOHN, M., Le, K., Peloquin, B., Koymen, B., & Frank, M. C. (2021). Children's interpretation of ambiguous pronouns based on prior discourse. *Developmental Science*, 24, e13049
11. Brooks, J., Onishi, E., Clark, I., BOHN, M., & Yamamoto, S. (2021). Uniting against a common enemy: Perceived outgroup threat elicits ingroup cohesion in chimpanzees. *PLoS ONE*, 16(2), e0246869
12. Hardwicke, T. E., BOHN, M., MacDonald, K. E., Hembacher, E., Nuijten, M. B., Peloquin, B., ..., & Frank, M. C. (2021). Analytic reproducibility in articles receiving open data badges at Psychological Science: An observational study. *Royal Society Open Science*
13. Kachel, G., Hardecker, D., & BOHN, M. (2021). Young children's developing ability to integrate gestural and emotional cues. *Journal of Experimental Child Psychology*, 210, 104984.
14. BOHN, M., *Kordt, C., *Braun, M., Call, J., & Tomasello, M. (2020). Learning novel skills from iconic gestures: A developmental and evolutionary perspective. *Psychological Science*, 31(7), 873-880
15. Tauzin, T., BOHN, M., Gergely, G., & Call, J. (2020). Context-sensitive adjustment of pointing in great apes. *Scientific Reports*, 10, 1048
16. BOHN, M., & Frank, M. C. (2019). The pervasive role of pragmatics in early language. *Annual Review of Developmental Psychology*, 1, 223-249
17. **MANYPRIMATES, et al. (2019). Collaborative open science as a way to reproducibility and new insights in primate cognition research. *Japanese Psychological Review*, 62(3), 205-220
18. BOHN, M., Kachel, G., & Tomasello, M. (2019). Young children spontaneously recreate core properties of language in a new modality. *PNAS*, 116(51), 26072-26077
19. **MANYPRIMATES, et al. (2019). Establishing an infrastructure for collaboration in primate cognition research. *PLoS ONE*. 14(10), e0223675
20. Margiotoudi, K., Allritz, M., BOHN, M., & Pulvermüller, F. (2019). Sound symbolic congruency detection in humans but not in great apes. *Scientific Reports*, 9, 12705
21. BOHN, M., Tessler, M. H., & Frank, M. C. (2019). Integrating common ground and informativeness in pragmatic word learning. *Proceedings of the 41st Annual Conference of the Cognitive Science Society*
22. BOHN, M., Call, J., & Tomasello, M. (2019). Natural Reference: A phylo- and ontogenetic perspective on the comprehension of iconic gestures and vocalizations. *Developmental Science*, 22, e12757
23. BOHN, M., *Zimmermann, L., Call, J., & Tomasello, M. (2018). The social-cognitive basis of infants' reference to absent entities. *Cognition*, 177, 41-48
24. BOHN, M. & Köymen, B. (2018). Common ground and development. *Child Development Perspectives*, 12(2), 104-108

25. BOHN, M., Allritz, M., Call, J., & Völter, C. J. (2017). Information seeking about tool properties in great apes. *Scientific Reports*, 7, 10923
26. Schmelz, M., Duguid, S., BOHN, M., & Völter, C. (2017). Individual and cooperative problem solving in giant otters (*Pteronura brasiliensis*) and Asian small-clawed otters (*Aonyx cinerea*). *Animal Cognition*, 20: 1107
27. BOHN, M., Call, J., & Tomasello, M. (2016). Comprehension of iconic gestures by chimpanzees and human children. *Journal of Experimental Child Psychology*, 142, 1-17
28. BOHN, M., Call, J., & Tomasello, M. (2016). The role of past interactions in great apes' communication about absent entities. *Journal of Comparative Psychology*, 130(4), 351-357
29. BOHN, M., Call, J., & Tomasello, M. (2015). Communication about absent entities in great apes and human infants. *Cognition*, 145, 63-72
30. Stieger, S., Burger, C., BOHN, M., & Voracek, M. (2013). Who commits virtual identity suicide? Differences in privacy concerns, Internet addiction, and personality between Facebook users and quitters. *Cyberpsychology, Behavior, and Social Networking*, 16(9), 629-34

Bookchapters

1. **MANYPRIMATES, et al. (*in press*). Collaboration and Open Science Initiatives in Primate Research. In M. J. Beran & B. Schwartz (Eds.), *Primate Cognitive Studies* : Cambridge University Press.
2. BOHN, M., Call, J., & Völter, C. J (2020). Evolutionary precursors of negation in non-human reasoning. In V. Deprez & M.T. Espinal (Eds.), *Oxford Handbook of Negation*(pp. 577-588): Oxford University Press.
3. BOHN, M. (2017). Information and the Evolution of Human Communication. In W. Hofkirchner, M. Burgin (Eds.), *Information Studies and the Quest for Transdisciplinarity* (pp. 345-362): World Scientific.

Preprints

1. Steffan, A., Zimmer, L., Arias-Trejo, N., BOHN, M., Dal Ben, R., Flores-Coronado, M. A., ... Schuwerk, T. (2023). Validation of an Open Source, Remote Web-based Eye-tracking Method (WebGazer) for Research in Early Childhood. *PsyArXiv*.
2. BOHN, M., da Silva Vieira, W. F., Torrén, M. G., Kärtner, J., Itakura, S., Cavalcante, L., Haun, D., Köster, M., & Kanngiesser, P. (2022). Mealtime conversations between parents and their 2-year-old children in five cultural contexts. *PsyArXiv*.
3. BOHN, M., Prein, J. C., Delikaya, B., Haun, D., & Gagarina, N. (2022). oREV: an Item Response Theory based open receptive vocabulary task for 3 to 8-year-old children. *PsyArXiv*.
4. Prein, J. C., BOHN, M., Kalinke, S., & Haun, D. (2022). TANGO: A reliable, open-source, browser-based task to assess individual differences in gaze understanding in 3 to 5-year-old children and adults. *PsyArXiv*.
5. BOHN, M., Eckert, J., Hanus, D., Lugauer, B., Holtmann, J., & Haun, D. (2022). Probing the structure, stability and predictability of great ape cognition. *PsyArXiv*
6. BOHN, M., Tessler, M. H., Kordt, C., Hausmann, T., & Frank, M. C. (2022). An individual differences perspective on the development of pragmatic abilities in the preschool years. *PsyArXiv*
7. Schuwerk, T., Kampis, D., Baillargeon, R., Biro, S., BOHN, M., Byers-Heinlein, K., ... Rakoczy, H. (2021). Action anticipation based on an agent's epistemic state in toddlers and adults. *PsyArXiv*
8. Jasbi, M., BOHN, M., Long, B., Fourtassi, A., Barner, D., & Frank, M. C. (2019). Comment on Cesana-Arlotti et al. (2018). *PsyArXiv*

Funding

2023 – 2025	Jacobs Foundation Research Fellowship (CHF 165 000).
2022 – 2023	Social Sciences and Humanities Research Council (Network, PI Kiley Hamlin, CAD 200 000).
2022 – 2023	New York University Research Challenge Fund (Co-PI with Ailis Cournane, \$ 16 748).
2020 – 2023	German Research Foundation (Co-PI, main applicant Gregor Kachel, € 324 249).
2017 – 2020	Marie Skłodowska-Curie Global Fellowship (€ 239 860).
2013 – 2016	Studienstiftung des deutschen Volkes (PhD scholarship, € 45 000).
2012	University of Vienna (KWA short-term research grant, € 1 500).
2011	University of Vienna (Joint Study Stipend, € 2 000).

Awards

2021	Disciplinary Diversity & Integration Award, Cognitive Science Society
2010 - 2013	Performance scholarship, University of Vienna

Invited Talks

2023	Pragmatics: Theory & Experiments Group, Oslo, Norway
2022	Culture Conference (keynote), Zurich, Switzerland Centre for Language Sciences Colloquium Series, Macquarie University, Australia Language Acquisition, Evolution, and Development Group, Newcastle University, UK iSearch Group, Max Planck Institute for Human Development Evolutionary Pragmatics Group, University of Warwick, UK
2021	Developmental Brown Bag, Aix-Marseille University, France Institute of Psychology, Leuphana University Lüneburg, Germany Institute of Psychology, Regensburg University, Germany
2020	Department of Psychology, University of Portsmouth, UK Department of Cognitive Science, CEU, Hungary Institute Seminar, Max Planck Institute for Evolutionary Anthropology, Germany Developmental Brownbag Seminar, Duke University, USA
2019	Cognitive Science Colloquium, University of Göttingen, Germany Social Origins Lab, UC Berkeley, USA Department of Psychology, FAU Erlangen-Nürnberg, Germany Department of Psychology, University of Chicago, USA Developmental Psychology Colloquium, UC Santa Cruz, USA Cognitive Science Seminar Series, Stanford University, USA Developmental Brownbag Seminar, Stanford University, USA Language and Cognitive Development Lab, UC Berkeley, USA

2018	Symposium on Language and Cognitive Development, Tsinghua University, China Friday Seminar, Stanford University, USA EcoGest Workshop, Bielefeld University, Germany Social Learning Lab, Stanford University, USA Developmental Brownbag Seminar, Stanford University, USA Stanford-Berkeley-UCSC Developmental Psychology Symposium, UCSC, USA
2017	SOMICS synergy meeting, CEU, Hungary Department of Philosophy, University of Leipzig, Germany Brain Language Laboratory, Free University Berlin, Germany
2016	Wissenschaftskolleg zu Berlin, Germany Marsilius Kolleg, University of Heidelberg, Germany Brain Language Laboratory, Free University Berlin, Germany
2015	International Society for Information Studies, Vienna, Austria

Conference Talks

2022	Budapest CEU Conference on Cognitive Development German Society for Psychology, Hildesheim, Germany
2021	Annual Meeting of the Cognitive Science Society Mutual Knowledge Conference, University College London European Society for Philosophy and Psychology
2020	Many Paths to Language, Nijmegen, Niederlande EvoLang XIII, Brussels, Belgium (<i>cancelled</i>) Budapest CEU Conference on Cognitive Development, Budapest, Hungary
2019	PaEpsy Conference, Leipzig, Germany Boston University Conference on Language Development, Boston USA
2018	International Primatological Society Congress, Nairobi, Kenya SemFest Conference, Department of Linguistics, Stanford University, USA Budapest CEU Conference on Cognitive Development, Budapest, Hungary
2017	International Congress for the Study of Child Language, Lyon, Frankreich
2016	International Primatological Society Congress, Chicago, USA German Society for Psychology, Leipzig, Germany Austrian Society for Psychology, Innsbruck, Austria
2015	European Society for Philosophy and Psychology, Tartu, Estonia
2014	International Primatological Society Congress, Hanoi, Vietnam

Mentorship

Phd

Anam Zahra (since 2020), Julia Prein (since 2020), Junyu Li (since 2022)

Master

Lousia Schmidt (2021), Larissa Kraus (2019 - 2020), Maren Braun (2019 - 2020), Clara Kordt (2019 - 2020), Greta Philippsen (2017)

Bachelor

Tom Hausmann (2019 - 2020), Luise Zimmermann (2017 - 2018), Clara Kordt (2017 - 2018)

Reviewer

Animal Behavior and Cognition, Animal Cognition, Child Development, Child Development Perspectives, Cognition, Cognitive Development, Cortex, Current Anthropology, Current Biology, Developmental Science, Infant Behavior and Development, Journal of Comparative Psychology, Language Learning, Language Learning and Development, Mind and Language, Nature Human Behaviour, PLOS Biology, PLOS One, Proceedings of the Royal Society B, Synthese, Topoi.

Teaching

Spring 2022	Leipzig University Session in seminar (Psychologie): Communication – a comparative perspective
Fall 2019	Leipzig University Session in seminar (Early childhood research): Language development Session in seminar (Early childhood research): Research practise and open science
Spring 2018	Stanford University Guest lecture (Linguistics): Development of Pragmatics Session in seminar (Psychology): Introduction to R
Summer 2017	Studienstiftung des deutschen Volkes Summer school (interdisciplinary): How to study animal minds?
Spring 2017	Leipzig University Lecture (Early Childhood Research): Non-verbal communication Co-taught with Daniel Haun
Fall 2016	University of Vienna Seminar (Psychology): Phylo- and ontogenetic roots of uniquely human cognition
Spring 2016	University of Heidelberg Seminar (Psychology & Philosophy): Human communication from a phylo- and ontogenetic perspective
Fall 2015	University of Vienna Seminar (Psychology): Social-cognitive development from a phylo- and ontogenetic perspective
Fall 2014	Friedrich-Schiller-Universität Jena Seminar (Psychology & Philosophy): Origins of Meaning - the Gricean theory of meaning and its interdisciplinary adoption
Spring 2014	Leipzig School of Human Origins Lecture (Psychology): Great ape culture and social learning Co-taught with Michael Tomasello

Selected Media Coverage

- TV "Kinder können bei Bedarf eine neue Sprache entwickeln" – MDR Wissen, 02.2020
 "Am Drücker" – Elefant, Tiger & Co, MDR, 01.2017
 "Quadratisch, praktisch, gut" – Elefant, Tiger & Co, MDR, 10.2016
 "Krimi im Kreissaal" – Elefant, Tiger & Co?, ARD, 06.2015
- Radio "Primatenforschung - Nicht immer nur Schimpansen! " – Dlf Forschung aktuell, 03.2020
 "Wie entsteht Sprache? " – Dlf Aus Kultur- und Sozialwissenschaften, 02.2020
 "Turning Off Volume on Skype Sheds Light on How Languages Emerge" – Living Lab Radio, 12.2019
 "Sprache der Tiere" – Deutschlandradio Kultur, 05.2015
- Print "Watching a 'language' develop when kids can't speak to each other" – Ars Technica, 12.2019
 "How Did Language Originate? Charades Might Offer A Clue" – forbes.com, 12.2019
 "Wie Sprachen aus dem Nichts entstehen" – wissenschaft.de / focus.de, 12.2019
 "Affen wissen, wenn sie etwas nicht wissen - so wie wir" – welt.de, 12.2017
 "Verstehst du uns, Kleines? " – Baby und Familie, 03.2017