Manuel Bohn

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Education

Ph.D. Psychology, Leipzig University, 2016

>   Advisors: Josep Call and Michael Tomasello

M.Sc. Psychology, University of Vienna, 2013

Employment

since 2023
:   **Tenure-Track Assistant Professor for Developmental Psychology**
    Institute of Psychology in Education
    Leuphana University Lüneburg, Germany

2020 – 2023
:   **Group Leader (Senior Scientist)**
    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

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 – DFG (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

2024	Department of Cognitive Science, CEU, Austria
2023	115th meeting of the German Zoological Society, Kassel, Germany
	Language and Cognition Lab, Stanford University, USA
	Pragmatics: Theory & Experiments Group, Oslo University, Norway
	Dep. of Primate Behavior and Evolution, MPI for Evolutionary Anthropology, Germany
2022	Culture Conference, Zurich, Switzerland
	Department of General and Computational Linguistics, University of Tübingen, Germany
	Embodied Vision Group, Max-Planck-Institut für Intelligente Systeme, Tübingen, Germany
	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

Mentorship

Phd

Junyu Li (since 2022) – current PhD Student

Julia Prein (since 2020) – current PhD Student

Anam Zahra (2020 - 2023) – Data Scientist, Alexander Thamm GmbH

Supervision of Master's and Bachelor's thesis at Max Planck Institute for Evolutionary Anthropology, Leipzig University and Leuphana University Lüneburg, some of which were part of projects that were published with students as co-authors (see publications).

Reviewer

Animal Behavior and Cognition, Animal Cognition, Biological Reviews, 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, Psychological Review, Synthese, Topoi.

Teaching

Fall 2023	Leuphana University Lüneburg
	Lecture (Education): Developmental Psychology
	Seminar (Education): Developmental Psychology
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
	Guest lecture (Early Childhood Research): Non-verbal communication
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 |

Selected Media Coverage

TV	"Mein Körper. Meine Worte. Sprachwunder Mensch"– ARD, 05.2023
	"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	"Große Fragen in 10 Minuten"– MDR Wissen, 05.2023
	"Primatenforschung - Nicht immer nur Schimpansen! " – Dlf Forschung aktuell, 03.2020
	"Wie entsteht Sprache? " – Dlf Aus Kultur- und Sozialwissenschaften, 02.2020
	"Globales Primatenforschungsprojekt" – SWR Wissen, 02.2020
	"Wie Sprache entsteht" – MDR Aktuell, 12.2019
	"Turning Off Volume on Skype Sheds Light on How Languages Emerge" – Living Lab Radio, 12.2019
	"Sprache der Tiere" – Deutschlandradio Kultur, 05.2015

Print	"Vom Ursprung der Sprachen" – Kreuzer online, 01.2020
	"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
	"Wie Sprachen entstehen: Experiment stellt die ersten Schritte nach" – derstandard.at, 12.2019
	"Affen wissen, wenn sie etwas nicht wissen - so wie wir" – welt.de, 12.2017
	"Menschenaffen reflektieren über ihr eigenes (Un-)Wissen" – derstandard.at, 09.2017
	"Menschenaffen wissen, wenn sie etwas nicht wissen" – kurier.at, 09.2017
	"Verstehst du uns, Kleines? " – Baby und Familie, 03.2017
	"Mitdenker" – DB Mobil, 12.2013

Publications

All publications are freely accessible on my homepage: `manuelbohn.github.io`

   * Student author   ** Group authorship

Peer reviewed journal articles

1. Bᴏʜɴ, M., da Silva Vieira, W. F., Giner-Torréns, M., Kärtner, J., Itakura, S., Cavalcante, L., Haun, D., Köster, M., & Kanngiesser, P. (*in press*). Mealtime conversations between parents and their 2-year-old children in five cultural contexts. *Developmental Psychology*

2. Steffan, A., Zimmer, L., Arias-Trejo, N., Bᴏʜɴ, M., Dal Ben, R., Flores-Coronado, M. A., … Schuwerk, T. (*in press*). Validation of an Open Source, Remote Web-based Eye-tracking Method (WebGazer) for Research in Early Childhood. *Infancy*

3. Stengelin, R., Bohn, M., Sanchez-Amaro, A., Haun, D. B. M., Thiele, M., Daum, M. M., ... Schuhmacher, N. (*in press*). Responsible Research is also concerned with generalizability: Recognizing efforts to reflect upon and increase generalizability in hiring and promotion decisions in psychology. *Meta-Psychology*

4. Bohn, M., Prein, J. C., *Delikaya, B, Haun, D., & Gagarina, N. (2023). oREV: an Item Response Theory based open receptive vocabulary task for 3 to 8-year-old children. *Behavior Research Methods*

5. Prein, J. C., Bohn, M., Kalinke, S., & Haun, D. (2023). TANGO: A reliable, open-source, browser-based task to assess individual differences in gaze understanding in 3 to 5-year-old children and adults. *Behavior Research Methods*

6. Bohn, M., Tessler, M. H., *Kordt, C., *Hausmann, T., & Frank, M. C. (2023). An individual differences perspective on pragmatic abilities in the preschool years. *Developmental Science*, 26, e13401

7. Bohn, M., Eckert, J., Hanus, D., Lugauer, B., Holtmann, J., & Haun, D. (2023). Great ape cognition is structured by stable cognitive abilities and predicted by developmental conditions. *Nature Ecology & Evolution*, 7, 927-938

8. Bang, J., Bohn, M., Ramirez, J., Marchman, V., & Fernald, A. (2023). Spanish-speaking caregivers' use of referential labels with toddlers is a better predictor of later vocabulary than their use of referential gestures. *Developmental Science*, 26, e13354

9. Zahra, A., Martin, P.-E., Bohn, M., & Haun, D. (2023). Computer vision for analyzing children's lived experiences. In K. Arai (Ed.), *Intelligent Systems and Applications - Proceedings of the 2023 Intelligent Systems Conference, IntelliSys 2023*, Amsterdam, The Netherlands, 7-8 September, 2023. Springer.

10. 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.

11. **ManyPrimates, et al. (2022). The evolution of primate short-term memory. *Animal Behavior and Cognition*, 9(4), 428-516

12. 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

13. 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

14. Eckert, J., Bohn, M., & Spaethe, J. (2022). Does quantity matter to a stingless bee? *Animal Cognition.*, 25, 617-629

15. 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

16. 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

17. 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*

18. 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

19. 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

20. 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*

21. Kachel, G., Hardecker, D., & BOHN, M. (2021). Young children's developing ability to integrate gestural and emotional cues. *Journal of Experimental Child Psychology*, 201, 104984.

22. 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

23. Tauzin, T., BOHN, M., Gergely, G., & Call, J. (2020). Context-sensitive adjustment of pointing in great apes. *Scientific Reports*, 10, 1048

24. BOHN, M., & Frank, M. C. (2019). The pervasive role of pragmatics in early language. *Annual Review of Developmental Psychology*, 1, 223-249

25. **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

26. BOHN, M., Kachel, G., & Tomasello, M. (2019). Young children spontaneously recreate core properties of language in a new modality. *PNAS*, 116(51), 26072-26077

27. **MANYPRIMATES, et al.(2019). Establishing an infrastructure for collaboration in primate cognition research. *PLoS ONE*. 14(10), e0223675

28. Margiotoudi, K., Allritz, M., BOHN, M., & Pulvermüller, F. (2019). Sound symbolic congruency detection in humans but not in great apes. *Scientific Reports*, 9, 12705

29. 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*

30. 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

31. BOHN, M., *Zimmermann, L., Call, J., & Tomasello, M. (2018). The social-cognitive basis of infants' reference to absent entities. *Cognition*, 177, 41-48

32. BOHN, M. & Köymen, B. (2018). Common ground and development. *Child Development Perspectives*, 12(2), 104-108

33. BOHN, M., Allritz, M., Call, J., & Völter, C. J. (2017). Information seeking about tool properties in great apes. *Scientific Reports*, 7, 10923

34. 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

35. BOHN, M., Call, J., & Tomasello, M. (2016). Comprehension of iconic gestures by chimpanzees and human children. *Journal of Experimental Child Psychology*, 142, 1-17

36. 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

37. BOHN, M., Call, J., & Tomasello, M. (2015). Communication about absent entities in great apes and human infants. *Cognition*, 145, 63-72

38. 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. (2022). 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. Prein, J., Maurits, L., Werwach, A., Haun, D., & Bohn, M. (2023). Variation in gaze understanding across the life span: A process-level perspective. *PsyArXiv*.

2. Bohn, M., Prein, J., *Engicht, J., Haun, D. B. M., Gagarina, N., & Koch, T. (2023). PREVIC: An adaptive parent report measure of expressive vocabulary in children between 3 and 8 years of age. *PsyArXiv*.

3. 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*

4. Jasbi, M., Bohn, M., Long, B., Fourtassi, A., Barner, D., & Frank, M. C. (2019). Comment on Cesana-Arlotti et al. (2018). *PsyArXiv*