

# 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

- 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. Margiotoudi, K., BOHN, M., Schwob, N., Taglialatela, J., Pulvermüller, F., Epping, A., Schweller, K., & Allritz, M. (*in press*). 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*
2. 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
3. Eckert, J., BOHN, M., & Spaethe, J. (2021). Does quantity matter to a stingless bee?. *Animal Cognition*.
4. 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*
5. 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

6. 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
7. 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*
8. 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.
9. 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
10. Tauzin, T., BOHN, M., Gergely, G., & Call, J. (2020). Context-sensitive adjustment of pointing in great apes. *Scientific Reports*, 10, 1048
11. BOHN, M., & Frank, M. C. (2019). The pervasive role of pragmatics in early language. *Annual Review of Developmental Psychology*, 1, 223-249
12. \*\*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
13. BOHN, M., Kachel, G., & Tomasello, M. (2019). Young children spontaneously recreate core properties of language in a new modality. *PNAS*, 116(51), 26072-26077
14. \*\*MANYPRIMATES, et al.(2019). Establishing an infrastructure for collaboration in primate cognition research. *PLoS ONE*. 14(10), e0223675
15. Margiotoudi, K., Allritz, M., BOHN, M., & Pulvermüller, F. (2019). Sound symbolic congruency detection in humans but not in great apes. *Scientific Reports*, 9, 12705
16. 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*
17. 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
18. BOHN, M., \*Zimmermann, L., Call, J., & Tomasello, M. (2018). The social-cognitive basis of infants' reference to absent entities. *Cognition*, 177, 41-48
19. BOHN, M. & Köymen, B. (2018). Common ground and development. *Child Development Perspectives*, 12(2), 104-108
20. BOHN, M., Allritz, M., Call, J., & Völter, C. J. (2017). Information seeking about tool properties in great apes. *Scientific Reports*, 7, 10923
21. 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
22. BOHN, M., Call, J., & Tomasello, M. (2016). Comprehension of iconic gestures by chimpanzees and human children. *Journal of Experimental Child Psychology*, 142, 1-17
23. 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
24. BOHN, M., Call, J., & Tomasello, M. (2015). Communication about absent entities in great apes and human infants. *Cognition*, 145, 63-72

25. 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. BOHN, M., Liebal, K., & Tessler (2021). Great ape communication as contextual social inference: a computational modeling perspective. *PsyArXiv*
2. \*\*MANYPRIMATES, et al. (2021). The evolution of primate short-term memory *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. BOHN, M., Tessler, M. H., Merrick, M., & Frank, M. C. (2019). Predicting pragmatic cue integration in adults' and children's inferences about novel word meanings. *PsyArXiv*
5. Jasbi, M., BOHN, M., Long, B., Fourtassi, A., Barner, D., & Frank, M. C. (2019). Comment on Cesana-Arlotti et al. (2018). *PsyArXiv*

## Funding

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	ERC 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

2021	Developmental Brown Bag, Aix-Marseille University, France Institute of Psychology, Leuphana University Lüneburg, Germany Institute of Psychology, Regensburg University, Germany
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- 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

- 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 (*cancelled*)  
 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

## Mentorship

### Phd

Anam Zahra (since 2020)

Julia Prein (since 2020)

### 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, 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

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