

# Manuel Bohn

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GitHub: <https://github.com/manuelbohn>

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## Education

Ph.D. Psychology, Leipzig University, 2016

Advisors: Josep Call and Michael Tomasello

Grade: "summa cum laude" (highest distinction possible)

M.Sc. Psychology, University of Vienna & New York University, 2013

Grade: "with distinction" (highest distinction possible)

## Employment

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

## Funding

- |             |   |
|-------------|---|
| 2017 – 2020 | ERC Marie Skłodowska-Curie Global Fellowship (€ 239 0860).        |
| 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).              |
| 2010 – 2013 | University of Vienna (Performance scholarship, € 700 per year).   |

## Publications

\* Student author    \*\* Group authorship

### Peer reviewed journal articles

1. **Bohn, M.**, \*Kordt, C., \*Braun, M., Call, J., & Tomasello, M. (*in press*). Learning novel skills from iconic gestures: A developmental and evolutionary perspective. *Psychological Science*
2. Tauzin, T., **Bohn, M.**, Gergely, G., & Call, J. (2020). Context-sensitive adjustment of pointing in great apes. *Scientific Reports*, 10, 1048
3. \*\***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
4. **Bohn, M.**, & Frank, M. C. (2019). The pervasive role of pragmatics in early language. *Annual Review of Developmental Psychology*, 1, 223-249.
5. **Bohn, M.**, Kachel, G., & Tomasello, M. (2019). Young children spontaneously recreate core properties of language in a new modality. *PNAS*, 116(51), 26072-26077
6. \*\***ManyPrimates**, et al.(2019). Establishing an infrastructure for collaboration in primate cognition research. *PLoS ONE*. 14(10), e0223675
7. Margiotoudi, K., Allritz, M., **Bohn, M.**, & Pulvermüller, F. (2019). Sound symbolic congruency detection in humans but not in great apes. *Scientific Reports*, 9, 12705
8. **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*
9. **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
10. **Bohn, M.**, \*Zimmermann, L., Call, J., & Tomasello, M. (2018). The social-cognitive basis of infants' reference to absent entities. *Cognition*, 177, 41-48
11. **Bohn, M.** & Köymen, B. (2018). Common ground and development. *Child Development Perspectives*, 12(2), 104-108
12. **Bohn, M.**, Allritz, M., Call, J., & Völter, C. J. (2017). Information seeking about tool properties in great apes. *Scientific Reports*, 7, 10923
13. 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
14. **Bohn, M.**, Call, J., & Tomasello, M. (2016). Comprehension of iconic gestures by chimpanzees and human children. *Journal of Experimental Child Psychology*, 142, 1-17
15. **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
16. **Bohn, M.**, Call, J., & Tomasello, M. (2015). Communication about absent entities in great apes and human infants. *Cognition*, 145, 63-72
17. 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

### Book Chapters

1. **Bohn, M.**, Völter, C. J., & Call, J. (*in press*). Evolutionary precursors of negation in non-human reasoning. In V. Deprez & M.T. Espinal (Eds.), *Oxford Handbook of Negation*: Oxford University Press.
2. **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.**, Le, K., Peloquin, B., Koymen, B., & Frank, M. C. (2020). Children's interpretation of ambiguous pronouns based on prior discourse. *PsyArXiv*
2. Kachel, G., Hardecker, D., & **Bohn, M.** (2020). Young children's developing ability to integrate gestural and emotional cues. *PsyArXiv*
3. **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*
4. Jasbi, M., **Bohn, M.**, Long, B., Fournassi, A., Barner, D., & Frank, M. C. (2019). Comment on Cesana-Arlotti et al. (2018). *PsyArXiv*

## Publications in German

1. **Bohn, M.** & Stöber, G. (2017). Soziale Determinanten menschlicher Kommunikation. *Forschungsbericht 2017 - Max-Planck-Institut für evolutionäre Anthropologie*.
2. Wentura, D., Bermeitinger, C., Eder, A., Giesen, C. G., Michalkiewicz, M., Hartwigsen, G., ... **Bohn, M.**, ... (2020). Kommentare zu Daum, MM, Greve, W., Pauen, S., Schuhrke, B. und Schwarzer, G.(2020). Positionspapier der Fachgruppe Entwicklungspsychologie: Ein Versuch einer Standortbestimmung. *Psychologische Rundschau*. 71(1), 24-46

## Teaching

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|-------------|--|
| Fall 2019   | Leipzig University<br>Session in seminar (Early childhood research): Language development<br>Session in seminar (Early childhood research): Research practise and open science |
| Spring 2018 | Stanford University<br>Guest lecture (Linguistics): Development of Pragmatics<br>Session in seminar (Psychologie): Introduction to R   |
| Summer 2017 | Studienstiftung des deutschen Volkes<br>Summer school (interdisciplinary): How to study animal minds?  |
| Spring 2017 | Leipzig University<br>Lecture (Early Childhood Research): Non-verbal communication<br>Co-taught with Daniel Haun   |
| Fall 2016   | University of Vienna<br>Seminar (Psychology): Phylo- and ontogenetic roots of uniquely human cognition   |
| Spring 2016 | University of Heidelberg<br>Seminar (Psychology & Philosophy): Human communication from a phylo- and ontogenetic perspective   |
| Fall 2015   | University of Vienna<br>Seminar (Psychology): Social-cognitive development from a phylo- and ontogenetic perspective   |
| Fall 2014   | Friedrich-Schiller-Universität Jena<br>Seminar (Psychology & Philosophy): Origins of Meaning - the Gricean theory of meaning and its interdisciplinary adoption                |
| Spring 2014 | Leipzig School of Human Origins<br>Lecture (Psychology): Great ape culture and social learning<br>Co-taught with Michael Tomasello   |
| 2008 – 2011 | University of Vienna<br>Teaching assistant for seminars/lectures on psychological methods  |

## Invited Talks

- 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 Budapest, 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

- 2020      EvoLang XIII, Brussels, Belgium  
 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

## Peer Review

*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 and Development, PLOS Biology, PLOS One, Synthese, Topoi.*

## Mentorship

|  |   |
|--|---|
| Tom Hausmann (Bachelor)                | Development of pragmatic inference  |
| Larissa Kraus (Master)                 | Short-term memory in monkeys  |
| Maren Braun (Master)                   | Learning from gestures in video demonstrations                                |
| Clara Kordt (Master)                   | Relations between different measures of pragmatic inference in young children |
| Marlene Försterling (Internship)       | Compositional structure and semantic transparency in gestures                 |
| Annika Hansen (Stanford HBREX program) | Conditions for pragmatic inference in young children                          |
| Khuyen Le (Stanford VPUE program)      | Graded sensitivity to common ground in adults and children                    |
| Greta Philippsen (Master)              | Evolutionary origins of negation  |
| Clara Kordt (Bachelor)                 | Teaching through iconic gestures in young children                            |
| Luise Zimmermann (Bachelor)            | Social-cognitive basis of displacement  |
| Jaques Achilles (BeLL)                 | Handedness in great apes  |

## Ongoing collaborations

I'm involved in two large scale collaboration projects: ManyPrimates, which I initiated, and ManyBabies 2.

|   |   |
|---|---|
| Josep Call, Matthias Allritz, Amanda Seed, Eleanor Jordan | University of St. Andrews, UK                               |
| Shona Duguid  | University of Warwick, UK                                   |
| Gregor Kachel   | Leipzig University, Germany                                 |
| David Hardecker   | Max Planck Institute for Evolutionary Anthropology, Germany |
| Bahar Koymen  | University of Manchester, UK                                |
| Michael Tomasello   | Duke University, USA  |
| Konstantina Margiotoudi, Friedemann Pulvermüller          | FU Berlin, Germany  |
| Michael C. Frank, Benjamin Peloquin, Janet Bang           | Stanford University, USA                                    |
| Virginia Marchman, Anne Fernald                           |   |
| Michael H. Tessler  | Massachusetts Institute of Technology, USA                  |
| Christoph Völter  | University of Vienna, Austria                               |
| György Gergely, Tibor Tauzin                              | CEU Budapest, Hungary                                       |
| Shuyan Zhao, Peng Zhou                                    | Tsinghua University, China                                  |
| Ailís Cournane  | New York University, USA                                    |
| Jared Taglialatela  | Ape Cognition and Conservation Initiative, USA              |

## 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  
      "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

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