

## Curriculum Vitae Julia Fischer

born July, 22<sup>nd</sup>, 1966 in Munich, Germany

Professor for Primate Cognition, Georg-August-University of Göttingen

Head, Cognitive Ethology Laboratory, German Primate Center, Göttingen

since 2018	<b>Scientific Career</b>
since 2016	Deputy Scientific Director of the German Primate Center
	Professor for Primate Cognition (W3), University of Göttingen and Head of the Cognitive Ethology Laboratory, German Primate Center Göttingen
Nov 2004	Appointment as Professor for Cognitive Ethology (W2) at the German Primate Center and the University Göttingen
Jan 2004	Habilitation, University Leipzig
Dec 2000 – Aug 2004	Postdoctoral Fellow, Department for Comparative and Developmental Psychology, Max-Planck-Institute for evolutionary Anthropology, Leipzig
Dec 1997 – July 2000	Postdoctoral Fellow, Department of Psychology, University of Pennsylvania, Philadelphia
	<b>PhD</b>
July 1996	Dissertation. Topic: Categorical Perception of species-specific sounds in Barbary macaques.
	<b>Study</b>
April 1987 – Oct 1993	Study of Biology at the Free University of Berlin and Glasgow University.
	<b>School</b>
1984	Abitur

### Honors

- Special Prize of the Foundation Board of the Göttingen University 2017
- Order of Merit by the State of Lower Saxony 2016
- Member of the Akademie der Wissenschaften zu Göttingen since 2014
- Grüter Prize for Science Communication 2013
- Member of the Berlin-Brandenburgischen Academy of Science since 2007
- DFG Heisenberg Fellow 2004
- Fellow of Die Junge Akademie 2003-2008, President 2007-2008

### **Contribution to collaborative research and graduate training**

- Speaker of the Research Training Group (Graduiertenkolleg) “Understanding Social Relationships” (2015-2024)
- Speaker of the Leibniz Science Campus on Primate Cognition (since 2015)
- Initiator and speaker of the interdisciplinary PhD study program “Behaviour and Cognition” (2013-2015)
- Speaker “Leibniz Graduate School for the Foundations of Primate Social Behaviour” (2011-2014)
- Speaker “Courant Research Center for the Evolution of Social Behaviour”, funded by the Excellence Initiative (2010-2014)

### **Editorships**

Associate Editor American Journal of Physical Anthropology (since 2019); Associate Editor Primate Biology (since 2014); Associate Editor Frontiers in Zoology (since 2012); Review Editor Frontiers in Comparative Psychology (since 2010); Animal Behaviour (2006-2008); Academic Editor PLOS Biol. (2005-2010); Folia Primatol (2001-2015)

### **Ad hoc Reviewer**

Science, Nature Communications, Nature Ecology and Evolution, PNAS, PLoS Biology, Current Biology, Proceedings of the Royal Society-B, Biology Letters, Royal Society Open Science, Trends in Neuroscience, Trends in Cognitive Science, Journal of Experimental Biology, Journal of Comparative Psychology, Journal of the Acoustical Society of America, American Journal of Primatology, and others.

### **Professional Duties (Selection)**

- Vice President of the Berlin-Brandenburg Academy of Science (since 2020)
- Member of the Kuratorium of BIOTOPIA – Naturkundemuseum Bayern (since 2020)
- Member of the Kuratorium of the Biodiversity Museum University Göttingen (since 2020)
- Advisory Board of the Center for Mind and Cognition, University Bochum (since 2019)
- Member of the Senate of the DFG (2015-2019)
- Advisory Board „Demographic Change“ of the National Academy Leopoldina (since 2015)
- Advisory Board Research Network „Sprache und Wissen“, Heidelberg (since 2017)
- Advisory Board of Die Junge Akademie (2014-2019)
- Scientific Advisory Board of the Ernst-Strüngmann Forum (2011-2019)
- Member of the Executive Board of the LMU München (2007-2011)
- President of the European Federation of Primatology (2010-2013)
- President of the Gesellschaft für Primatologie (2007-2010)

**Evaluator/Reviewer (selection)**

- Jury Member for the BBVA Frontiers of Knowledge Award in Ecology and Conservation (2018)
- Selection Committee for the Humboldt Research Award and Sofia-Kowalewskaja Award Alexander-von-Humboldt Stiftung (since 2014, Panel Chair since 2018)
- Jury Member Bielefelder Wissenschaftspreis ("Luhmann Preis" - since 2014)
- European Research Council Starting and Consolidator Grants (Panel Chair 2012-2014 for Panel LS8, Panel Member 2007-2010 for LS8)
- Selection Committee Karl-Ritter-von-Frisch Medaille der Deutschen Zoologischen Gesellschaft (since 2013)
- Jury Member Falling Walls Lab (2014/2015)
- External Member of the Working Groups of the Wissenschaftsrat "Empfehlungen zur Differenzierung der Hochschulen" (2011) sowie "Sonderforschungsbereiche und Forschungszentren" (2009)
- Evaluator Wissenschaftsrat (Excellence Initiative funding line 3) (2006)
- Evaluator for research proposals from DFG, Leopoldina, NSF, VolkswagenStiftung, Merkator Stiftung, Leakey Foundation (USA), NOW (Netherlands), Studienstiftung des Deutschen Volkes, Rijksbanken Funds (Sweden)
- 

**Conference Organization (Selection)**

2017	Organizer "Frontiers in Baboon Research" Symposium, Göttingen
2016	Co-Organizer FENS Winter School on the Neurobiology of Language and Communication
2016	Host 11 <sup>th</sup> Topical Meeting of the Ethological Society
2015	Co-Organizer Göttingen SPIRIT Summer School on Emotion and Cognition
2010	Co-Chair of the Strüngmann Forum on "Animal Thinking", Frankfurt Institute for Advanced Studies, Frankfurt am Main
2010	Organizer of the Workshop "Knowledge, Language, Memory", University Göttingen
2008	Organizer of the Workshop "Information, Control and Communication", Berlin

**Recent funding (major grants last five years)**

2019-2022	DFG Fi707/25-1 "Vocal production and auditory learning in the genus <i>Chlorocebus</i> ", € 218.600
2017-2020	DFG Fi707/22-1 "Age-related variation in physical and social cognition in Barbary macaques ( <i>Macaca sylvanus</i> )", € 210.100
2015-2018	Co-Speaker Collaborative Research Unit "Primate Cognition", funded through "Top level research in Lower Saxony" program of the MWK, € 1 Million
2015-2024	Speaker DFG Research Training Group 2070 "Understanding Social Relationships", € 8 Million
2015-2018	Leibniz Science Campus for Primate Cognition; Leibniz Association, € 3.6 Million
2015-2017	"Social Comparison Processes in Animals" as part of DFG Research Unit FOR2150, € 319.000

### Top ten journal publications

- (1) **Fischer J** (2021)  
**Primate vocal communication and the evolution of speech**  
 Current Directions in Psychological Science **30**: 55–60
- (2) Wegdell F, Hammerschmidt K, **Fischer J** (2019)  
**Conserved alarm calls but rapid auditory learning in monkey responses to novel flying objects**  
 Nature Ecology and Evolution 3: 1039-1042
- (3) **Fischer J**, Higham JP, Alberts SC, Barrett L, Beehner JC, Bergman TJ, Carter A, Collins A, Elton S, Fagot J, Ferreira da Silva M, Hammerschmidt K, Henzi P, Jolly C, Knauf S, Kopp G, Rogers J, Roos C, Ross C, Seyfarth RM, Silk J, Snyder-Mackler N, Städele V, Swedell L, Wilson ML, Zinner D (2019)  
**The natural history of model organisms: Insights into the evolution of social systems and species from baboon studies**  
 Elife 8: e50989
- (4) **Fischer J**, Price T (2017)  
**Meaning, intention, and inference in primate vocal communication**  
 Neuroscience & Biobehavioral Reviews 82: 22-31
- (5) Almeling L, Hammerschmidt K, Sennhenn-Reulen H, Freund AM, **Fischer J** (2016)  
**Motivational shifts in aging monkeys and the origins of social selectivity**  
 Current Biology 26:1744-1749
- (6) Price T, Wadewitz P, Cheney D, Seyfarth R, Hammerschmidt K, **Fischer J** (2015)  
**Vervets revisited: A quantitative analysis of alarm call structure and context specificity**  
 Scientific Reports 5: 13220
- (7) Patzelt A, Kopp GH, Ndao I, Kalbitzer U, Zinner D, **Fischer J** (2014)  
**Male tolerance and male-male bonds in a multi-level primate society**  
 Proceedings of the National Academy of Sciences USA 111(41): 14740-14745.
- (8) Wheeler BC, **Fischer J** (2012)  
**Functionally referential signals: a promising paradigm whose time has passed**  
 Evolutionary Anthropology 21(5): 195-205
- (9) Schmitt V, **Fischer J** (2011)  
**Representational format determines numerical competence in monkeys**  
 Nature Communications 2: 257
- (10) Kaminski J, Call J, **Fischer J** (2004)  
**Word Learning in a domestic dog: Evidence for 'fast mapping'**  
 Science 304: 1682-1683 \*featured in Perspectives: Bloom P: Can a dog learn a word? pp 1605-1606

### **Scientific Societies**

Deutsche Primatologische Gesellschaft; European Federation of Primatology; Ethologische Gesellschaft; Internationale Primatologische Gesellschaft; Association for the Study of Animal Behaviour; Deutsche Zoologische Gesellschaft

### **Invited presentations (selection)**

- 2021 Plenary Talk, Cognitive Science Society, Vienna, Austria
- 2021 FINE Seminar Series (online)
- 2019 Plenary Talk, CBEN Meeting Amsterdam, Netherlands
- 2019 Plenary Talk, European Conference in Cognitive Science, Bochum, Germany
- 2019 Colloquium Central European University, Budapest, Hungary
- 2019 Colloquium, Rockefeller University, New York City, USA
- 2019 Workshop "New perspectives on primate adaptations", Gorongosa NP, Mozambique
- 2018 Plenary Talk, Münster Evolutionary Meeting, Münster, Germany
- 2017 Colloquium, Human Evolutionary Biology Department, Harvard, USA
- 2017 Plenary Talk, BLAM Meeting, Lund, Sweden
- 2016 Colloquium, University of St. Gallen, Switzerland
- 2016 Collegium Generale, University of Bern, Switzerland
- 2015 Plenary talk International Bioacoustic Council, Murnau, Germany
- 2015 Key note lecture "Reciprocity" Symposium, Berlin School of Mind and Brain, Germany
- 2015 Plenary talk, European Brain and Behaviour Society, Verona, Italy
- 2015 Plenary talk, Gesellschaft für Primatologie, Leipzig, Germany
- 2014 Key note lecture, Conference "Beyond Words", Leipzig, Germany
- 2012 Plenary talk, Argentinian Society for Neuroscience, Cordoba, Argentina
- 2011 Plenary talk, at the Dutch Society for Behavioural Biology, Utrecht, Netherlands
- 2010 Opening plenary talk, European Science Open Forum in Torino, Italy

### **Outreach (selection)**

- Nacht des Wissens, Göttingen, 26.1.2019
- Wissenschaft im Sauriersaal, Naturkundemuseum Berlin, 16.11.2018
- Festvortrag Akademie der Wissenschaften zu Göttingen, 3.11.2018
- Salon Sophie-Charlotte BBAW Berlin, 20.1.2018
- Helmholtz Lecture, Berlin, 1.6.2017
- Smashing Ideas Festival, Hamburg, 15.2.2017
- CIN Dialogues, Tübingen, 20.11. 2017
- YPO Winter Meeting, Jochberg, Austria, 28.1.2016

Festvortrag GSK Stiftung, München, 9.7.2015

„Nochtspeicher“, Hamburg, 19.11.2014

Festvortrag zur Verleihung des Alfred-Krupp-Förderpreises 2014, Villa Hügel, Essen 30.10.2014

DFG „Exkurs“ Staatsbibliothek München 19.3.2014

Höllerer Vorlesung Berlin 11.7.2013

Leibniz-Vorlesungen Hannover 24.-26.6.2013

Akademische Causerie Berlin 6.5.2013

Göttinger Literaturherbst 18.10.2012

Carl-Friedrich von Siemens-Stiftung München 22.02.2010

### **Media**

Work has been featured by the New York Times, Wall Street Journal, Le Monde, heute journal, Spiegel, FAZ, BBC, NPR, SWR 2 Aula, Radio Bremen 2 'Sommergäste', NBC, Dutch Television, ZDF Nachtstudio, Radio Bremen 3nach9. Portraits and Interviews in ZEIT WISSEN, FAZ Bilder und Welten, Süddeutsche Zeitung, duz spezial. I have given more than 100 radio interviews, including several 1-hour feature shows such as WDR5 Tischgespräch, Deutschlandradio Zwischentöne, and HR2 Doppelkopf. Our work has been featured in an exhibit in the National Museum of Natural Science in Taiwan.

## Publications

### All journal publications

- (1) Vernes SC, Kriengwatana BP, Beeck VC, **Fischer J**, Tyack PL, ten Cate C, Janik VM (in press)  
**The multi-dimensional nature of vocal learning**  
Philosophical Transactions of the Royal Society B: Biological Sciences
- (2) Farrar BG, Krupenye C, Motes-Rodrigo A, Tennie C, **Fischer J**, Altschul DM, Ostojčić (in press)  
**Replication and reproducibility in primate cognition research**  
Animal Behavior and Cognition. Preprint available at <https://osf.io/z52er/>
- (3) Rathke EM & **Fischer J** (2021)  
**Social aging in male and female Barbary macaques**  
American Journal of Primatology e23272, doi:10.1002/ajp.23272
- (4) Keupp S, Abedin F, Jeanson L, Kade C, Kalbitz J, Titchener R, Mussweiler T, Bugnyar T, **Fischer J** (2021)  
**Performance-based social comparisons in humans and long-tailed macaques**  
Animal Behavior and Cognition **8**(3): 325-350
- (5) Wilson V, Kade C, **Fischer J** (2021)  
**Testing the relationship between looking time and choice preference in long-tailed macaques**  
Animal Behavior and Cognition **8**(3): 351-375
- (6) Dal Pesco F, Trede F, Zinner D, **Fischer J** (2021)  
**Kin bias and male pair-bond status shape male-male relationships in a multilevel primate society**  
Behavioural Ecology and Sociobiology **75**(1): 24
- (7) **Fischer J** (2021)  
**Primate vocal communication and the evolution of speech**  
Current Directions in Psychological Science **30**(1): 55–60
- (8) Grueter CC, Qi X, Zinner D, Bergman TJ, Li M, Xiang Z, Zhu P, Miller A, Krützen M, **Fischer J**, Rubenstein DI, Vidya TNC, Li B, Cantor M, Swedell L (2021)  
**On multifaceted definitions of multilevel societies: Response to Papageorgiou and Farine**  
Trends in Ecology & Evolution **36**(1): 17-19.
- (9) Trede F, Kil N, Stranks J, Connell A, **Fischer J**, Ostner J, Schülke O, Zinner D, Roos C (2021)  
**A refined panel of 42 microsatellite loci to universally genotype catarrhine primates**  
Ecology and Evolution **11**(1): 498-505
- (10) **Fischer J**, Wegdell F, Trede F, Dal Pesco F, Hammerschmidt K (2020)  
**Vocal convergence in a multi-level primate society: insights into the evolution of vocal learning**  
Proceedings of the Royal Society B **287**: 20202531
- (11) Rathke E-M, **Fischer J** (2020)  
**Differential aging trajectories in motivation, inhibitory control and cognitive flexibility in Barbary macaques (*Macaca sylvanus*)**  
Philosophical Transactions of the Royal Society B: Biological Sciences **375**: 20190617
- (12) Dal Pesco F, **Fischer J** (2020)  
**On the evolution of baboon greeting rituals**  
Philosophical Transactions of the Royal Society B: Biological Sciences **375**: 20190420
- (13) Placi S, **Fischer J**, Rakoczy H (2020)  
**Do infants and preschoolers quantify probabilities based on proportions?**  
Royal Society Open Science **7**(9): 191751
- (14) Wilson V, Kade C, Moeller S, Treue S, Kagan I, **Fischer J** (2020)  
**Macaque gaze responses to the Primatar: a virtual macaque head for social cognition research**  
Frontiers in Psychology **11**: 1645
- (15) Farrar BG, Altschul DM, **Fischer J**, van der Mescht J, Placi S, Troisi CA, Vernouillet A, Clayton NS, Ostojčić L (2020)

**Claims and statistical inference in animal physical cognition**

Animal Behavior and Cognition 7(3): 419–444

- (16) **Fischer J** (2020)  
**Nonhuman primate alarm calls then and now**  
Animal Behaviour and Cognition 7(2), 108-116
- (17) **Fischer J**, Zinner D (2020)  
**Introduction to special issue: Frontiers in baboon research**  
Journal of Human Evolution 146: 102822
- (18) Grueter CC, Qi X, Zinner D, Bergman TJ, Li B, Xiang Z, Zhu P, Migliano AB, Miller A, Krützen M, **Fischer J**, Rubenstein DI, Vidya TNC, Cantor M, Swedell L (2020)  
**Multilevel organisation of animal sociality**  
Trends in Ecology & Evolution 36(9): 834-847
- (19) **Fischer J**, Higham JP, Alberts SC, Barrett L, Beehner JC, Bergman TJ, Carter A, Collins A, Elton S, Fagot J, Ferreira da Silva M, Hammerschmidt K, Henzi P, Jolly C, Knauf S, Kopp G, Rogers J, Roos C, Ross C, Seyfarth RM, Silk J, Snyder-Mackler N, Städele V, Swedell L, Wilson ML, Zinner D (2019)  
**The natural history of model organisms: Insights into the evolution of social systems and species from baboon studies**  
Elife 8: e50989
- (20) Wegdell F, Hammerschmidt K, **Fischer J** (2019)  
**Conserved alarm calls but rapid auditory learning in monkey responses to novel flying objects**  
Nature Ecology and Evolution 3: 1039-1042
- (21) **Fischer J**, Hammerschmidt K (2019)  
**Towards a new framework for primate vocal production learning**  
Philosophical Transactions of the Royal Society B 375: 20190045
- (22) Faraut L, Siviter H, Dal Pesco F, **Fischer J** (2019)  
**How life in a tolerant society affects the usage of grunts: Evidence from female and male Guinea baboons**  
Animal Behaviour 153: 83-93
- (23) Faraut L, **Fischer J** (2019)  
**How life in a tolerant society affects the attention to social information in baboons**  
Animal Behaviour 152: 11-17
- (24) Keupp S, Titchener R, Bugnyar T, Mussweiler T, **Fischer J** (2019)  
**Competition is crucial for social comparison processes in long-tailed macaques**  
Biology Letters 15: 20180784
- (25) Hülsmann S, Oke Y, Mesuret G, Latal AT, Fortuna MG, Niebert M, Hirrlinger J, **Fischer J**, Hammerschmidt K (2019)  
**The postnatal development of ultrasonic vocalization-associated breathing is altered in glycine transporter 2-deficient mice**  
Journal of Physiology 597(1): 173-191
- (26) Hammerschmidt K, **Fischer J** (2019)  
**Baboon vocal repertoires and the evolution of primate vocal diversity**  
Journal of Human Evolution 126: 1-13
- (27) Placi S, Padberg M, Rakoczy H, **Fischer J** (2019)  
**Long-tailed macaques extract statistical information from repeated types of events to make rational decisions under uncertainty.**  
Scientific Reports 9: 12107.
- (28) Many Primates on behalf of Altschul DM, Beran MJ, Bohn M, Call J, DeTroy S, Duguid SJ, Egelkamp CL, Fichtel C, **Fischer J**, Flessert M, Hanus D, Haun DBM, Haux LM, Hernandez-Aguilar RA, Herrmann E, Hopper LM, Joly M, Kano F, Keupp S, Melis AP, Motes Rodrigo A, Ross SR, Sánchez-Amaro A, Sato Y, Schmitt V, Schweinfurth MK, Seed AM, Taylor D, Völter CJ, Warren E, Watzek J. (2019)



**Establishing an infrastructure for collaboration in primate cognition research**  
 PLoS One 14: e0223675.

- (29) Goffe AS, **Fischer J**, Sennhenn-Reulen H (2018)  
**Bayesian inference and simulation approaches improve the assessment of Elo-ratings in the analysis of social behaviour**  
 Methods in Ecology and Evolution 9(10): 2131-2144
- (30) Dal Pesco F, **Fischer J** (2018)  
**Greetings in male Guinea baboons and the function of rituals in complex social groups**  
 Journal of Human Evolution 125: 87-98
- (31) Keupp S, Barbarroja Capdevila N, Topolinski S, **Fischer J** (2018)  
**Are monkeys intuitive Aristotelians? – Associations between target size and vertical target position in long-tailed macaques**  
 Royal Society Open Science 5: 170889
- (32) Ordóñez-Gómez JD, Santillán-Doherty AM, **Fischer J**, Hammerschmidt K (2018)  
**Acoustic variation of spider monkeys' contact calls (whinnies) is related to distance between vocalizing individuals and immediate caller behavior**  
 American Journal of Primatology 80(4): e22747
- (33) Placi S, Eckert J, Rakoczy H, **Fischer J** (2018)  
**Long-tailed macaques (*Macaca fascicularis*) can use simple heuristics but fail at drawing statistical inferences from populations to samples**  
 Royal Society Open Science 5(9): 181025
- (34) Jürgens R, **Fischer J**, Schacht A (2018)  
**Hot speech and exploding bombs: Autonomic arousal during emotion classification of prosodic utterances and affective sounds**  
 Frontiers in Psychology doi:10.3389/fpsyg.2018.00228
- (35) **Fischer J**, Wadewitz P, Hammerschmidt K (2017)  
**Structural variability and communicative complexity in acoustic communication**  
 Animal Behaviour 134: 229-237
- (36) Almeling L, Sennhenn-Reulen H, Hammerschmidt K, Freund AM, **Fischer J** (2017)  
**Social interactions and activity patterns of old Barbary macaques: further insights into the foundations of social selectivity**  
 Animal Behaviour 79 (11): e22711
- (37) **Fischer J** (2017)  
**The fish is wearing trousers: Taking issue with the theory of affective pragmatics**  
 Psychological Inquiry 28 (2-3): 194-196
- (38) **Fischer J** (2017)  
**On the social life and motivational changes of aging monkeys**  
 Gerontology 63: 572-579
- (39) **Fischer J** (2017)  
**Primate vocal production and the riddle of language evolution**  
 Psychonomic Bulletin & Review 24(1): 72–78
- (40) **Fischer J**, Farnworth MS, Sennhenn-Reulen H, Hammerschmidt K (2017)  
**Quantifying social complexity**  
 Animal Behaviour 130: 57-66
- (41) Tididi B, Polizzi di Sorrentino E, **Fischer J**, Schino G (2017)  
**Acquisition and functional consequences of social knowledge in macaques**  
 Royal Society Open Science 4: 160639

- (42) **Fischer J, Price T (2017)**  
**Meaning, intention, and inference in primate vocal communication**  
 Neuroscience & Biobehavioral Reviews 82: 22-31
- (43) **Fischer J, Kopp GH, Dal Pesco F, Goffe A, Hammerschmidt K, Kalbitzer U, Klapproth M, Maciej P, Ndao I, Patzelt A, Zinner D (2017)**  
**Charting the neglected West: the social system of Guinea baboons**  
 Yearbook of Physical Anthropology 162: 15-31
- (44) **Almeling L, Hammerschmidt K, Sennhenn-Reulen H, Freund AM, Fischer J (2016)**  
**Motivational shifts in aging monkeys and the origins of social selectivity**  
 Current Biology 26:1744-1749
- (45) **Benítez ME, le Roux A, Fischer J, Beehner JC, Bergman TJ (2016)**  
**Acoustic and temporal variation in Gelada (*Theropithecus gelada*) loud calls advertise male quality**  
 International Journal of Primatology 37: 568–585
- (46) **Kalbitzer U, Roos C, Kopp GH, Butynsk TM, Knauf S, Zinner D, Fischer J (2016)**  
**Insights into the genetic foundation of aggression in *Papio* and the evolution of two length-polymorphisms in the promoter regions of serotonin-related genes (5-HTTLPR and MAOALPR) in Papionini**  
 BMC Evolutionary Biology 16: 121
- (47) **Goffe AS, Fischer J (2016)**  
**Meat sharing between male and female Guinea baboons (*Papio papio*)**  
 Primate Biology 3: 1-8
- (48) **Goffe A, Zinner D, Fischer J (2016)**  
**Sex and friendship in a multilevel society: behavioural patterns and associations between female and male Guinea baboons**  
 Behavioural Ecology and Sociobiology 70: 323–336
- (49) **Pfefferle D, Hammerschmidt K, Mundry R, Ruiz-Lambides AV, Fischer J, Widdig A (2016)**  
**Does the structure of female rhesus macaque coo calls reflect relatedness and/or familiarity?**  
 PLoS One 11(8): e0161133
- (50) **Schmitt V, Federspiel I, Eckert J, Keupp S, Tschernek L, Faraut L, Schuster R, Michels C, Sennhenn-Reulen H, Bugnyar T, Mussweiler T, Fischer J (2016)**  
**Do monkeys compare themselves to others?**  
 Animal Cognition 19: 417–428
- (51) **Knauf S, Barnett U, Maciej P, Klapproth M, Ndao I, Frischmann S, Fischer J, Zinner D, Liu HL (2015)**  
**High prevalence of antibodies against the bacterium *Treponema pallium* in Senegalese Guinea baboons (*Papio papio*)**  
 PLoS One 10(11-11): e0143100
- (52) **Fischer J, Wheeler BC, Higham JP (2015)**  
**Is there any evidence for vocal learning in chimpanzee food calls?**  
 Current Biology 25 (21): R1028-R1029
- (53) **Kalbitzer U, Heistermann M, Cheney DL, Seyfarth RM, Fischer J (2015)**  
**Social behavior and patterns of testosterone and glucocorticoid levels differ between male chacma and Guinea baboons**  
 Hormones and Behavior 75: 100-110
- (54) **Hammerschmidt K, Schreiweis C, Minge C, Pääbo S, Fischer J<sup>1</sup>, Enard W<sup>1</sup> (2015)**  
**A humanized version of *Foxp2* does not affect ultrasonic vocalization in adult mice**  
 Genes, Brain and Behavior 14 (8): 583–590  
<sup>1</sup>shared last authorship
- (55) **Kopp G, Fischer J, Patzelt A, Roos C, Zinner D (2015)**  
**Population genetic insights into the social organization of Guinea baboons (*Papio papio*): evidence for female-biased dispersal**

- American Journal of Primatology 77(8): 878-889
- (56) Wadewitz P, Hammerschmidt K, Battaglia D, Witt A, Wolf F, **Fischer J** (2015)  
**Characterizing vocal repertoires - hard vs. soft classification approaches**  
PLoS ONE 10(4): e0125785
- (57) **Fischer J** (2015)  
**Birds tune in to sequential information when categorizing their songs**  
Proceedings of the National Academy of Sciences USA 112(6): 1658-1659
- (58) Hammerschmidt K, Whelan G, Eichele G, **Fischer J** (2015)  
**Mice lacking the cerebral cortex develop normal song: Insights into the foundations of vocal learning**  
Scientific Reports 5: 8808
- (59) Wheeler BC, **Fischer J** (2015)  
**The blurred boundaries of functional reference - A response to Scarantino & Clay**  
Animal Behaviour 100: e9-e13
- (60) Jürgens R, Grass A, Drolet M, **Fischer J** (2015)  
**Effect of acting experience on emotion expression and recognition in voice: Nonactors provide better stimuli than expected**  
Journal of Nonverbal Behavior 39(3):195-214
- (61) Price T, Wadewitz P, Cheney D, Seyfarth R, Hammerschmidt K, **Fischer J** (2015)  
**Vervets revisited: A quantitative analysis of alarm call structure and context specificity**  
Scientific Reports 5: 13220
- (62) Patzelt A, Kopp GH, Ndao I, Kalbitzer U, Zinner D, **Fischer J** (2014)  
**Male tolerance and male-male bonds in a multi-level primate society**  
Proceedings of the National Academy of Sciences USA 111(41): 14740-14745.
- (63) Price T, Ndiaye O, Hammerschmidt K, **Fischer J** (2014)  
**Limited geographic variation in the acoustic structure of and responses to adult male alarm barks of African green monkeys**  
Behavioral Ecology and Sociobiology 68(5): 815-825
- (64) Schmitt V, Schloegl C, **Fischer J** (2014)  
**Seeing the experimenter influences the response to pointing cues in long-tailed macaques**  
PLoS One 9(3): e91348
- (65) Drolet M, Schubotz R I, **Fischer J** (2014)  
**Recognizing the authenticity of emotional expression: F0 contour matters when you need to know**  
Frontiers in Human Neuroscience 8(144): 1-9
- (66) Price TK, **Fischer J** (2014)  
**Meaning attribution in the West African green monkey: influence of call type and context**  
Animal Cognition 17(2): 277-286
- (67) Kopp GH, Ferreira da Silva MJ, **Fischer J**, Brito JC, Regnaut S, Roos C, Zinner D (2014)  
**The influence of social systems on patterns of mitochondrial DNA variation in baboons**  
International Journal of Primatology 35(1): 210-225
- (68) Kitchen DM, Cheney DL, Engh A, **Fischer J**, Moscovice LR, Seyfarth RM (2013)  
**Male baboon responses to experimental manipulations of loud "wahoo calls": testing an honest signal of fighting ability**  
Behavioural Ecology and Sociobiology 67(11): 1825-1835
- (69) Maciej P, Ndao I, Hammerschmidt K, **Fischer J** (2013)  
**Vocal communication in a complex multi-level society: Constrained acoustic structure and flexible call usage in Guinea baboons**  
Frontiers in Zoology 10:58
- (70) Schmitt V, Kröger I, Zinner D, Call J, **Fischer J** (2013)  
**Monkeys perform as well as apes and humans in a size discrimination task**

Animal Cognition 16(5): 829-838

- (71) El Kordi A, Winkler D, Hammerschmidt K, Kästner A, Krüger D, Ronnenberg A, Ritter C, Jatho J, Radyushkin K, Bourgeron, T, **Fischer J**, Brose N, Ehrenreich H (2013)  
**Development of an autism severity score for mice using Nlgn4 mutants as a construct-valid model of heritable monogenic autism**  
 Behavioural Brain Research 251: 41-49
- (72) **Fischer J**, Noser R, Hammerschmidt K (2013)  
**Bioacoustic field research: A primer to acoustic analyses and playback experiments with primates**  
 American Journal of Primatology 75(7): 643-663
- (73) Jürgens R, Drolet M, Pirow R, Scheiner E, **Fischer J** (2013)  
**Encoding conditions affect recognition of vocally expressed emotions across cultures**  
 Frontiers in Psychology 4: 1-10
- (74) Drolet M, Schubotz R, **Fischer J** (2013)  
**Explicit authenticity and stimulus features interact to modulate BOLD response induced by emotional speech**  
 Cognitive, Affective, and Behavioral Neuroscience 13(2): 318-329
- (75) Schloegl C, Waldmann M, **Fischer J** (2013)  
**Understanding of and reasoning about object-object relationships in long-tailed macaques?**  
 Animal Cognition 16(3): 493-507
- (76) Maciej P, Patzelt A, Ndao I, Hammerschmidt K, **Fischer J** (2013)  
**Social monitoring in a multi-level society: a playback study with wild Guinea baboons**  
 Behavioural Ecology and Sociobiology 67: 61-68
- (77) Wheeler BC, **Fischer J** (2012)  
**Functionally referential signals: a promising paradigm whose time has passed**  
 Evolutionary Anthropology 21(5): 195-205
- (78) Hammerschmidt K, Reisinger E, Westekämper K, Ehrenreich L, Strenzke N, **Fischer J** (2012)  
**Mice do not require auditory input for the normal development of their ultrasonic vocalizations**  
 BMC Neuroscience 2012: 13:40
- (79) Hammerschmidt K, Radyushkin K, Ehrenreich H, **Fischer J** (2012)  
**The structure and usage of female and male mouse ultrasonic vocalizations reveal only minor differences**  
 PLoS ONE 7(7): e41133
- (80) Schmitt V, Pankau B, **Fischer J** (2012)  
**Old World monkeys compare to apes in the Primate Cognition Test Battery**  
 PLoS One 7(4): e32024
- (81) Engelhardt A, **Fischer J**, Neumann C, Pfeifer J-B, Heistermann M (2012)  
**Information content of female copulation calls in wild long-tailed macaques (*Macaca fascicularis*)**  
 Behavioral Ecology and Sociobiology 66(1): 121-134
- (82) Drolet M, Schubotz R, **Fischer J** (2012)  
**Authenticity affects the recognition of emotions in speech: Behavioral and fMRI evidence**  
 Cognitive, Affective, and Behavioral Neuroscience 12(1): 140-150  
 12(1): 140-150
- (83) Henselek Y, **Fischer J**, Schloegl C (2012)  
**Does the stimulus type influence horses' performance in a quantity discrimination task?**  
 Frontiers in Psychology 3(504): 1-8
- (84) Schmitt V, **Fischer J** (2011)  
**Representational format determines numerical competence in monkeys**  
 Nature Communications 2: 257
- (85) **Fischer J** & Hammerschmidt, K (2011)  
**Ultrasonic vocalizations in mouse models for speech and socio-cognitive disorders: insights into the**

- evolution of vocal communication**  
Genes, Brain and Behavior 10: 17-27
- (86) Fischer J, Zinner D (2011)  
**Communication and cognition in primate group movement**  
International Journal of Primatology 32(6): 1279-1295
- (87) Fischer J, Semple S, Fickenscher G, Jürgens R, Kruse E, Heistermann M, Amir O (2011)  
**Do women's voices provide cues of the likelihood of ovulation? The Importance of sampling regime**  
PLoS One 6: e24490
- (88) Jürgens R, Hammerschmidt K, Fischer J (2011)  
**Authentic and play-acted vocal emotion expressions reveal acoustic differences**  
Frontiers in Psychology 2: 180
- (89) Maciej P, Fischer J, Hammerschmidt K (2011)  
**Transmission Characteristics of Primate Vocalizations: Implications for Acoustic Analyses**  
PLoS One 6: e23015
- (90) Meise K, Keller C, Cowlishaw G, Fischer J (2011)  
**Sources of acoustic variation: implications for production specificity and call categorization in chacma baboon (*Papio ursinus*) grunts**  
Journal of the Acoustical Society of America 129: 1631-1641
- (91) Pfefferle D, Heistermann M, Pirow R, Hodges KJ, Fischer J (2011)  
**Estrogen and progesterone correlates of the structure of female copulation calls in semi free-ranging Barbary macaques (*Macaca sylvanus*)**  
International Journal of Primatology 32: 652-668
- (92) Patzelt A, Zinner D, Fickenscher G, Diedhou S, Camara B, Stahl D, Fischer J (2011)  
**Group composition of Guinea baboons (*Papio papio*) at a water place suggests a fluid social organization**  
International Journal of Primatology 32: 652-668
- (93) Schell A, Rieck K, Schell K, Hammerschmidt K, Fischer J (2011)  
**Adult but not juvenile Barbary macaques spontaneously recognize group members from pictures**  
Animal Cognition 14: 503-509
- (94) Henkel S, Heistermann M, Fischer J (2010)  
**Infants as costly social tools in male Barbary macaque networks**  
Animal Behaviour 79: 1199-1204
- (95) Keller C, Roos C, Groeneveld LF, Fischer J, Zinner D (2010)  
**Introgressive hybridization in southern African baboons shapes patterns of mtDNA variation**  
American Journal of Physical Anthropology 142: 125-136
- (96) Seyfarth RM, Cheney DL, Bergman T, Fischer J, Zuberbühler K, Hammerschmidt K (2010)  
**The central importance of information in studies of animal communication**  
Animal Behaviour 80: 3-8
- (97) Teufel C, Ghazanfar AA, Fischer J (2010)  
**On the relationship between lateralized brain function and orienting asymmetries**  
Behavioral Neuroscience 124: 437-445
- (98) Teufel C, Gutmann A, Pirow R, Fischer J (2010)  
**Facial expressions modulate the ontogenetic trajectory of gaze-following among monkeys**  
Developmental Science 13: 913-922
- (99) Enard W, Gehre S, Hammerschmidt K, Hölter SM, Blass T, Somel M, Brückner MK, Schreiweis C, Winter C, Sohr R, Becker L, Wiebe V, Nickel B, Giger T, Müller U, Groszer M, Adler T, Aguilar, A, Bolle I, Calzada-Wack J, Dalce C, Ehrhardt N, Favor J, Fuchs H, Gailus-Durner V, Hans W, Hölzlwimmer G, Javaheri A, Kalaydjiev S, Kallnik M, Kling E, Kunder S, Moßbrugger I, Naton B, Racz I, Rathkolb B, Rozman J, Schrewe A, Busch DH, Graw J, Ivandic B, Klingenspor M, Klopstock T, Ollert M, Quitanilla-Martinez L, Schulz H, Wolf

- E, Wurst W, Zimmer A, Fisher SE, Morgenstern R, Arendt T, Hrabé de Angelis M, **Fischer J**, Schwarz J, Pääbo S (2009)  
**A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice**  
 Cell 137: 961-971
- (100) Ey E, Rahn C, Hammerschmidt K, **Fischer J** (2009)  
**Wild female olive baboons adapt their grunt vocalisations to environmental conditions**  
 Ethology 115: 493-503
- (101) Ey E, **Fischer J** (2009)  
**The “acoustic adaptation hypothesis” - A review of the evidence from birds, anurans and mammals**  
 Bioacoustics 19: 21-48
- (102) Hammerschmidt K, Radyushkin K, Ehrenreich H, **Fischer J** (2009)  
**Female mice respond to male ultrasonic ‘songs’ with approach behavior**  
 Biology Letters 5: 589-592
- (103) Patzelt A, Pirow R, **Fischer J** (2009)  
**Post-conflict affiliation in Barbary macaques is influenced by conflict characteristics and relationship quality, but does not diminish short term renewed aggression**  
 Ethology 115: 658-670
- (104) Radyushkin K, Hammerschmidt K, Boretius S, Varoquaux F, El-Kordi A, Ronnenberg A, Winter D, Frahm J, **Fischer J**, Brose N, Ehrenreich H (2009)  
**Neurologin-3 deficient mice: Model of a monogenic heritable form of autism with an olfactory deficit**  
 Genes, Brain and Behaviour 8: 416-425
- (105) Schmitt V, **Fischer J** (2009)  
**Inferential reasoning and modality dependent discrimination learning in olive baboons (*Papio hamadryas anubis*)**  
 Journal of Comparative Psychology 123 (3): 316–325
- (106) **Fischer J**, Teufel CR, Drolet M, Patzelt A, Rübsamen R, von Cramon DY, Schubotz RI (2009)  
**Orienting asymmetries and lateralized processing of sounds in humans**  
 BMC Neuroscience 10: 14 [Faculty of 1000 Medicine: recommended reading]
- (107) Jamain S, Radyushkin K, Hammerschmidt K, Granon S, Boretius S, Varoquaux F, Ramanantsoa N, Gallego J, Ronnenberg A, Winter D, Frahm J, **Fischer J**, Bourgeron T, Ehrenreich H, Brose N (2008)  
**Reduced social interaction and ultrasonic communication in a mouse model of monogenic heritable autism**  
 Proceedings of the National Academy of Science 105: 1710-1715
- (108) Kaminski J, **Fischer J**, Call J (2008)  
**Prospective object search in dogs: Mixed evidence for knowledge of What and Where**  
 Animal Cognition 11: 367-371
- (109) Pfefferle D, Heistermann M, Hodges JK, **Fischer J** (2008)  
**Male Barbary macaques eavesdrop on mating outcome: a playback study**  
 Animal Behaviour 75: 1885-1891
- (110) Pfefferle D, Brauch K, Heistermann M, Hodges JK, **Fischer J** (2008)  
**Female Barbary macaque copulation calls do not reveal the fertile phase but influence mating outcome**  
 Proceedings of the Royal Society Series B 275: 571-578.
- (111) Schmitt V, Melchisedech S, Hammerschmidt K, **Fischer J** (2008)  
**Hand preferences in Barbary macaques (*Macaca sylvanus*)**  
 Laterality 13, 143-157
- (112) Schneider C, Hodges JK, **Fischer J**, Hammerschmidt K (2008)  
**Acoustic Niches of Siberut Primates**  
 International Journal of Primatology 29: 601-613
- (113) Ey E, Hammerschmidt, K, Seyfarth R, **Fischer J** (2007)

- Age- and sex-related variations in clear calls of *Papio ursinus***  
International Journal of Primatology 28: 947-960
- (114) Brauch K, Pfefferle D, Hodges JK, Möhle U, Fischer J, Heistermann M (2007)  
**Female sexual behavior and sexual swelling size as potential cues for males discern the female fertile phase in free-ranging Barbary macaques (*Macaca sylvanus*) of Gibraltar**  
Hormones & Behaviour 52: 375-383
- (115) Ey E, Pfefferle D, Fischer J (2007)  
**Do age- and sex-related variations reliably reflect body size in non-human primate vocalizations? - a review**  
Primates 48: 253-267
- (116) Pfefferle D, West PM, Grinnell J, Packer C, Fischer J (2007)  
**Do acoustic features of lion, *Panthera leo*, roars reflect sex and male condition?**  
Journal of the Acoustical Society of America 121: 3947-3953
- (117) Teufel C, Hammerschmidt K, Fischer J (2007)  
**Lack of orienting asymmetries in Barbary macaques: implications for studies of hemispheric specialisations in auditory processing**  
Animal Behaviour 73: 249-255
- (118) Pfefferle D, Fischer J (2006)  
**Sounds and Size – identification of acoustic variables that reflect body size in Hamadryas baboons (*Papio hamadryas*)**  
Animal Behaviour 72: 43-51
- (119) Fischer J (2006)  
**Social Cultures among Nonhuman Primates**  
Current Anthropology 47(4): 650-651
- (120) Kaminski J, Call J, Fischer J (2004)  
**Word Learning in a domestic dog: Evidence for 'fast mapping'**  
Science 304: 1682-1683 \*featured in Perspectives: Bloom P: Can a dog learn a word? pp 1605-1606
- (121) Fischer J, Call J, Kaminski J (2004)  
**A pluralistic account of word learning**  
Trends in Cognitive Science 8: 481
- (122) Fischer J, Kitchen DM, Cheney DL, Seyfarth RM (2004)  
**Baboon loud calls advertise male quality: Acoustic features and their relation to rank, age, and exhaustion**  
Behavioural Ecology and Sociobiology 56: 140-148
- (123) Fischer J (2004)  
**Emergence of individual recognition in young macaques**  
Animal Behaviour 67: 655-661
- (124) Range F, Fischer J (2004)  
**Vocal repertoire of sooty mangabeys (*Cercocebus torquatus atys*) in the Tai National Park**  
Ethology 110: 301-321
- (125) Cheney DL, Seyfarth RM, Fischer J, Beehner J, Bergman T, Johnson S, Kitchen DM, Palombit RA, Rendall D, Silk J (2004)  
**Factors affecting reproduction and mortality among baboons in the Okavango Delta, Botswana**  
International Journal of Primatology 25: 401-428
- (126) Kitchen DM, Fischer J, Cheney DL, Seyfarth RM (2003)  
**Loud calls as indicators of dominance in male baboons (*Papio cynocephalus ursinus*)**  
Behavioural Ecology and Sociobiology 53: 374-384
- (127) Fischer J, Hammerschmidt K, Cheney DL, Seyfarth RM (2002)  
**Acoustic features of male baboon loud calls: Influences of context, age, and individuality**

Journal of the Acoustical Society of America 111: 1465-1474

- (128) **Fischer J**, Hammerschmidt K (2002)  
**An overview of the Barbary macaque, *Macaca sylvanus*, vocal repertoire**  
 Folia Primatologica 72: 32-45
- (129) **Fischer J**, Hammerschmidt K (2001)  
**Functional referents and acoustic similarity revisited: the case of Barbary macaque alarm calls**  
 Animal Cognition 4: 29-35
- (130) **Fischer J**, Metz M, Cheney DL, Seyfarth RM (2001)  
**Baboon responses to graded bark variants**  
 Animal Behaviour 61: 925-931
- (131) **Fischer J**, Hammerschmidt K, Cheney DL, Seyfarth RM (2001)  
**Acoustic features of female chacma baboon barks**  
 Ethology 107: 33-54
- (132) **Fischer J**, Cheney DL, Seyfarth RM (2000)  
**Development of infant baboons' responses to graded bark variants**  
 Proceedings of the Royal Society of London Series B-Biological Sciences 267: 2317-2321
- (133) **Fischer J** (1998)  
**Barbary macaques categorize shrill barks into two call types**  
 Animal Behaviour 55: 799-807
- (134) **Fischer J**, Hammerschmidt K, Todt D (1998)  
**Local variation in Barbary macaque shrill barks**  
 Animal Behaviour 56: 623-629
- (135) Hammerschmidt K, **Fischer J** (1998)  
**Maternal discrimination of offspring vocalizations in Barbary macaques (*Macaca sylvanus*)**  
 Primates 39: 231-236
- (136) Hammerschmidt K, **Fischer J** (1998)  
**The vocal repertoire of Barbary macaques: A quantitative analysis of a graded signal system**  
 Ethology 104: 203-216
- (137) Mundry R, **Fischer J** (1998)  
**Use of statistical programs for nonparametric tests of small samples often leads to incorrect P values: examples from Animal Behaviour**  
 Animal Behaviour 56: 256-259
- (138) **Fischer J**, Hammerschmidt K, Todt D (1995)  
**Factors affecting acoustic variation in Barbary macaque (*Macaca sylvanus*) disturbance calls**  
 Ethology 101: 51-66
- (139) Hammerschmidt K, Ansorge V, **Fischer J**, Todt D (1994)  
**Dusk calling in Barbary macaques (*Macaca sylvanus*): Demand for Social Shelter**  
 American Journal of Primatology 32: 277-289

#### Protocols and Data sets

- (140) Dal Pesco F, Trede F, Zinner D, **Fischer J** (2020)  
**Analysis of genetic relatedness and paternity assignment in wild Guinea baboons (*Papio papio*) based on microsatellites**  
[dx.doi.org/10.17504/protocols.io.bfdmji46](https://doi.org/10.17504/protocols.io.bfdmji46)



## Books

Fischer J (2018)

**La sociedad de los primates**

Fondo de Cultura Económica, Mexico City

Fischer J (2017)

**Monkeytalk: Inside the Worlds and Minds of Primates**

University of Chicago Press, Chicago

Fischer J (2012)

**Affengesellschaft**

Suhrkamp Verlag, Berlin

## Edited Book

Menzel R, Fischer J (2011)

**Animal Thinking – Contemporary Issues in Comparative Cognition.**

MIT Press, Cambridge

## Book Chapters

(1) Fischer J, Hage S R (2019)

**Primate vocalization as a model for human speech: scopes and limits**

In: Hagoort P (ed) Human Language: From Genes and Brains to Behavior  
MIT Press, Cambridge MA, pp 639-656

(2) Fischer J (2018)

**Primate Cognition: From the field into the lab and back**

In: N Bueno-Guerra, F Amici (eds) Field and Laboratory Methods in Animal Cognition:  
A Comparative Guide  
Cambridge University Press, Cambridge, pp 137-138

(3) Fischer J (2018)

**Animal vocal communication - assessment and management roles**

Bioacoustics 27(2): 197-199

(4) Fischer J (2018)

**Wissen und Vertrauen - Einsichten aus der Primatologie**

In: Blumberg G, Freimuth A, Strohschneider P (eds)  
Vom Umgang mit Fakten: Antworten aus Natur-, Sozial- und Geisteswissenschaften  
Verlag Wilhelm Fink, Paderborn, pp 185-193

(5) Fischer J (2017)

**Haben Schimpansen eine Theorie des Geistes?**

In: Berlin-Brandenburgische Akademie der Wissenschaften (ed)  
Spekulative Theorien, Kontroversen, Paradigmenwechsel  
Debatte, Heft 17, Berlin, pp 25-30

(6) Fischer J (2017)

**Information transmission in nonhuman primates: from communication to social learning**

In: JH Byrne (ed) Learning and Memory: A Comprehensive Reference  
Elsevier, Oxford, pp 171-188

(7) Fischer J (2017)

**Playback Experiments**

In: A Fuentes (ed) The International Encyclopedia of Primatology  
Wiley Blackwell, Hoboken, New York

(8) Schloegl C, Fischer J (2017)

- Causal Reasoning in Nonhuman Animals**  
 In: M Waldmann (ed) Oxford Handbook of Causal Reasoning  
 Oxford, Oxford University Press, pp 699-716
- (9) **Fischer J (2015)**  
**Emotionen**  
 In: A Ferrari, K Petrus (Hg.) Lexikon der Mensch/Tier-Beziehungen  
 Transcript Verlag, Bielefeld, pp 92-94
- (10) **Fischer J (2015)**  
**Kognitive Ethologie**  
 In: A Ferrari, K Petrus (Hg.) Lexikon der Mensch/Tier-Beziehungen  
 Transcript Verlag, Bielefeld, pp 199-201
- (11) **Fischer J (2015)**  
**Evolution der Kommunikation**  
 In: Jahrbuch der Akademie der Wissenschaften zu Göttingen, Band 2014  
 De Gruyter Akademie Forschung, Berlin, pp 169-172
- (12) **Fischer J (2014)**  
**Singing mice and the evolution of speech**  
 In: S Nolen-Hoeksema, BL Fredrickson, G Loftus & C Lutz (eds) Atkinson & Hilgard's Introduction to Psychology 16<sup>th</sup> edition. Cengage Learning, Andover, p 245
- (13) **Fischer J (2013)**  
**Vertrauen in der/die Verhaltensbiologie**  
 In: Vertrauen in die/in der Wissenschaft? Berlin-Brandenburgische Akademie der Wissenschaften  
 Debatte, Heft 12, Berlin, pp 70-74
- (14) Scheiner E, **Fischer J (2013)**  
**Gefühlsausdruck - Das evolutionäre Erbe in der menschlichen Stimme**  
 In: H Fink, R Rosenzweig (Hg.) Das Tier im Menschen. Mentis Verlag, Münster, pp 67-92
- (15) **Fischer J (2013)**  
**Primate Social Intelligence**  
 In: Galizia CG, Lledo P-M (eds) Neurosciences - From Molecule to Behavior: A University Textbook.  
 Springer, Berlin Heidelberg, pp 655-669
- (16) **Fischer J (2013)**  
**Information, inference and meaning in primate vocal behaviour**  
 In: U Stegmann (ed) Animal Communication Theory: Information and Influence.  
 Cambridge University Press, Cambridge, pp 297-317
- (17) **Fischer J (2012)**  
**Perspektiven aus den Lebenswissenschaften**  
 In: Forschungsverbünde in der Wissenschaft - Chance oder Zwang? Berlin-Brandenburgische Akademie  
 der Wissenschaften Debatte, Heft 11, Berlin, pp 27-30
- (18) **Fischer J (2011)**  
**Where is the Information in Animal Communication?**  
 In: R Menzel, J Fischer (eds) Animal Thinking: Contemporary Issues in Comparative Cognition.  
 MIT Press, Cambridge, pp 151-161
- (19) Wheeler BC, Searcy WA, Christiansen MH, Corballis MC, **Fischer J**, Grüter C, Margoliash D, Owren MJ,  
 Price T, Seyfarth RM, Wild M (2011)  
**Communication**  
 In: R Menzel, J Fischer (eds) Animal Thinking: Contemporary Issues in Comparative Cognition.  
 MIT Press, Cambridge, pp 187-205
- (20) Scheiner E, **Fischer J (2011)**  
**Emotion expression – the evolutionary heritage in the human voice**  
 In: W Welsch, W Singer, A Wunder (eds) Interdisciplinary Anthropology: The Continuing Evolution of

Man. Springer, Heidelberg & New York, pp 105-129

- (21) Ey E, **Fischer J** (2011)  
**Keeping in Contact: Flexibility in Calls of Olive Baboons**  
 In: V Sommer, C Ross (eds) Primates of Gashaka Socioecology and conservation in Nigeria's biodiversity hotspot Series: Developments in primatology: progress and prospects.  
 Springer, New York, pp 413-436
- (22) **Fischer J**, Zinner D (2011)  
**Communicative and cognitive underpinnings of group movement in nonhuman primates**  
 In: M Boos, M Kolbe, T Ellwart, PM Kappeler (eds) Coordination in human and non-human primate groups.  
 Springer, Heidelberg and New York, pp 229-244
- (23) **Fischer J** (2010)  
**Nothing to talk about? On the linguistic abilities of nonhuman primates (and some other animal species)**  
 In: U Frey, C Störmer, K Willführ (eds) Homo Novus - A Human Without Illusions.  
 Springer, New York, pp 35-48
- (24) **Fischer J** (2010)  
**Zur Evolution der Sprache**  
 In: Wer hat die Deutungshoheit über die Evolution?  
 Berlin-Brandenburgische Akademie der Wissenschaften Debatte, Berlin, pp 25-29
- (25) **Fischer J** (2009)  
**Zur Evolution der menschlichen Sprache. Ein Vergleich der Kommunikation von Mensch und Tier**  
 In: C Nüsslein-Volhard, u a. (eds) Wachstum – Eskalation, Steuerung und Grenzen. Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte.  
 Thieme Verlag, Stuttgart, pp 31-43
- (26) Számadó S, Hurford JR, Bishop D, Deacon T, d'Errico F, **Fischer J**, Okanaya K, Szathmáry E, White S (2009)  
**What are the possible biological and genetic foundations for syntactic phenomena?**  
 In: D Bickerton, E Szathmáry (eds) Biological Foundations and Origin of Syntax.  
 MIT Press, Cambridge, pp 207-236
- (27) Kitchen DM, Beehner JC, Bergman TJ, Cheney DL, Crockford C, Engh AL, **Fischer J**, Seyfarth RM, Wittig R (2009)  
**The causes and consequences of male aggression directed at female chacma baboons**  
 In: MN Muller, RW Wrangham (eds) Sexual coercion in primates and humans: an evolutionary perspective on male aggression against females.  
 Harvard University press, Cambridge, pp 128-156
- (28) **Fischer J** (2008)  
**Die Evolution der Sprache**  
 In: Bertha Benz-Vorlesung, Nr. 25  
 Gottlieb Daimler- und Karl Benz-Stiftung Ladenburg
- (29) **Fischer J** (2008)  
**Ein eigenartiges Tier**  
 In: D Ganten, V Gerhardt, JC Heilingner, J Nida-Rümelin (eds) Was ist der Mensch?  
 Walter de Gruyter, Berlin/New York, pp 77-78
- (30) **Fischer J** (2008)  
**Was Tiere über das Wissen wissen**  
 In: R Schubotz (ed) Other Minds - Die Gedanken und Gefühle anderer.  
 Mentis Verlag, Paderborn, pp 155-173
- (31) **Fischer J** (2008)  
**Zum Ursprung der menschlichen Sprache: eine evolutionsbiologische Perspektive**  
 In: R Rosenkrantz (ed) Neuronen im Gespräch - Sprache und Gehirn.  
 Mentis Verlag, Paderborn, pp 141-161

- (32) **Fischer J (2008)**  
**Transmission of acquired information in nonhuman primates**  
 In: JH Byrne (ed) Learning and memory: A comprehensive reference.  
 Elsevier, Oxford, pp 299-313
- (33) **Fischer J (2008)**  
**Kultivierte Tiere?**  
 In: A Hüttemann (ed) Zur Deutungsmacht der Biowissenschaften.  
 Mentis Verlag, Paderborn, pp 155-173
- (34) Hammerschmidt K, **Fischer J (2008)**  
**Constraints in primate vocal production**  
 In: K Oller, U Griebel (eds) Evolution of Communicative Flexibility: Complexity, Creativity, and Adapability  
 in Human and Animal Communication.  
 The MIT Press, Cambridge. MA, pp 93-119
- (35) **Fischer J (2007)**  
**Metakognition bei Tieren**  
 In: J C Heilingner (ed) Die Naturgeschichte der Freiheit.  
 Walter de Gruyter, Berlin/New York, pp 95-116.
- (36) Hesler, N, **Fischer J (2007)**  
**Gestures in Barbary macaques**  
 In: M Tomasello, J Call (eds) Gestural Communication in Monkeys and Apes.  
 Lawrence Erlbaum Associates, New Jersey, pp 159-195.
- (37) Cheney DL, Seyfarth RM, **Fischer J**, Beehner J, Bergman T, Johnson S, Kitchen DM, Palombit RA,  
 Rendall D, Silk J. (2006)  
**Factors affecting mortality and reproduction in free-ranging baboons in the Okavango Delta, Botswana**  
 In: L Swedell, S Leigh (eds) Life History, Reproductive Strategies, and Fitness in Baboons.  
 Kluwer Academic Publishers, Amsterdam, pp 147-176
- (38) **Fischer J**, Hammerschmidt K (2006)  
**The vocal communication in Barbary macaques**  
 In: JK Hodges, J Cortes (eds) Biology and Conservation of the Barbary macaque.  
 Nottingham University Press, Nottingham, pp: 63-79
- (39) **Fischer J (2006)**  
**Experimentelle Untersuchungen der sozialen Kognition bei Affen**  
 In: M Naguib M (ed) Methoden in der Verhaltensbiologie.  
 Springer, Berlin, pp 157-162
- (40) **Fischer J (2006)**  
**Über Tierstimmen**  
 In: D Kolesch, S Krämer (eds) Stimmen – Annäherungen an ein Phänomen.  
 Suhrkamp Verlag, Frankfurt am Main, pp 172-190
- (41) **Fischer J (2006)**  
**Categorical Perception**  
 In: K Brown (ed) Encyclopedia of Language & Linguistics – Second Edition.  
 Elsevier, Oxford, pp 248-251
- (42) **Fischer J (2002)**  
**Developmental modifications in the vocal behaviour of nonhuman primates**  
 In: A. Ghazanfar (ed) Primate Audition: Behaviour and Neurobiology.  
 Boca Raton, CRC Press, pp 109-125
- (43) Palombit R, Cheney DL, **Fischer J**, Johnson S, Rendall D, Seyfarth RM, Silk JB (2000)  
**Male infanticide and defense of infants in Chacma baboons**  
 In: CP van Schaik, CH Janson (eds) Male Infanticide and Its Implications.  
 Cambridge University Press, Cambridge, pp 123-152

## Book Reviews

**Fischer J (2010)**

### **Why we conform**

Book Review of "Why we cooperate" by Michael Tomasello. PLoS Biology 8: 2

**Fischer J (2008)**

### **Messages from the Other World**

Review of The Simian Tongue by Gregory Radick. Trends in Ecology and Evolution 23: 252-253

**Fischer J (2005)**

### **Review of „Comparative Vertebrate Cognition – Are Primates Superior to Non-Primates?“**

by G Kaplan & L Rogers (eds). Folia Primatologica 76: 123-124

**Fischer J (2003)**

**Review of „Tree of Origin“** by F de Waal (ed). Ethology 109: 861

## Talks etc.

> 100 invited talks and colloquia, including Cambridge University, Stanford, Harvard University, Princeton, RIKEN Brain Institute, Institut Pasteur and others

> 50 presentations at conferences and workshops (key note lectures: see CV)

> 50 public talks

## Miscellanea

**Fischer J (2019)**

### **Green monkey responses to drones**

Nature Eco Evo Community Blog. <https://natureecoevocommunity.nature.com/users/261089-julia-fischer/posts/49155-green-monkey-responses-to-drones>

**Fischer J (2019)**

### **Mein Lala-Land**

In: Emotionen im Feld. Liebal K., Lubrich, O., Stodulka, T. Transcript Verlag, Berlin. pp 65-75

**Fischer J (2018)**

### **How do You Know that the Top Dog is Really the Top Dog? Using Elo-Ratings and Bayesian Inference to Determine Rankings in Animal Groups.**

Methods blog of the British Ecological Society.

<https://methodsblog.com/2018/10/29/elo-rating-bayesian-inference/>

Fellmann F, **Fischer J** (2017)

### **Natürlich zu zweit?**

In: Sind wir dafür geschaffen, in Paaren zu leben

Philosophie Magazin und Reclam Verlag, ISBN: 978-3-15-020491-7, pp 14-17

**Fischer J (2016)**

### **Aus der Affengesellschaft**

In: Ringleben J (ed) Bursfelder Universitätsreden

**Fischer J (2015)**

### **Versteht man doch, das Kapuzineräffchen!**

FAZ Nr. 206 vom 5.9.2015

**Fischer J (2013)**

### **Können Tiere denken?**

In: K Oschema, M Helbling, U von Luxburg (eds) Wissenschaft 2014 – ein Kalender der Ambivalenzen

Jan Thorbecke Verlag, Ostfildern

**Fischer J (2013)**

**Sollte man zwischen den Sternen am Ende delfinisch reden?**

FAZ Nr. 126 vom 4.6.2013: 26

**Fischer J (2013)**

**Natürlich zu zweit?**

Philosophisches Magazin 3: 43

**Fischer J (2012)**

**Morgenstunde**

In: Marksches C, Osterkamp E (eds) Vademekum der Inspirationsmittel.

Wallstein Verlag, Göttingen, p 95

**Fischer J (2012)**

**Selbstreflexion**

In: S Koller, M Klatt (eds) Lehre als Abenteuer. Anregungen für eine bessere Hochschulausbildung.

Campus Verlag, Frankfurt/New York, pp 194-197

**Fischer J (2011)**

**Sonagramm**

In: MJ Hartung, T Kerstan (eds) Studium Generale - 100 Begriffe, die man kennen muss.

Piper, München, Zürich, pp 170-171

**Fischer J (2010)**

**Standards für seriöse Forschung - zur Causa Hauser**

Gehirn und Geist 11: 45

**Fischer J (2010)**

**Die Wiege der Menschheit**

In: H Schmundt, M Vec, H Westphal (eds) Mekkas der Moderne.

Böhlau Verlag, Köln, pp 121-124

**Fischer J (2009)**

**Zur Evolution der menschlichen Sprache**

Naturwissenschaftliche Rundschau 62: 397-405

**Fischer J (2008)**

**Sonagramm**

In: MJ Hartung, T Kerstan (eds) Wissen to go – Ein Studium generale in 100 Begriffen.

Piper, München, Zürich, pp 170-171

Vec M, Beer B, Engelen EM, **Fischer J**, Freund A, Kiesow RM, Korte M, Schollwöck U, Westphal H (eds) (2006)

**Der Campus-Knigge. Von Abschreiben bis Zweitgutachten**

C.H. Beck'sche Verlagsbuchhandlung, München (Taschenbuchausgabe 2008)

**Fischer J (2005)**

**Ungelöste Rätsel, faszinierende Menschen: Warum Forschung fesselt**

In: J Allmendinger (ed) Karriere ohne Vorlage. Junge Akademiker zwischen Hochschule und Beruf. Edition

Körper-Stiftung, Hamburg, pp 165-172

**Fischer J (2004)**

**Die simulierte Professorin**

Gegenworte – Zeitschrift der Berlin-Brandenburgischen Akademie der Wissenschaften 14: 32-35

**Fischer J (2004)**

**Wissenschaftsessayistik – eine archäologische Exkursion**

In: I Zetzsche (ed) Wissenschaftskommunikation. Streifzug durch ein 'neues' Feld .

Lemmens Verlag Bonn, Berlin, London, pp 121-123

**Fischer J (2004)**

**Zurück in die Zukunft? Mit Studiengebühren weckt man keinen akademischen Geist**

Laborjournal 7/8: 32-35.