

Curriculum Vitae Julia Fischer

born July, 22nd, 1966
in München

	Scientific Career
Since 2016	Professor for Primate Cognition, University of Göttingen and Head of the Cognitive Ethology Laboratory, German Primate Center Göttingen
Nov 2004	Appointment as Professor for Cognitive Ethology 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.
	PhD
July 1996	Dissertation. Topic: Categorical Perception of species-specific sounds in Barbary macaques.
	Study
April 1987 – Oct 1993	Study of Biology at the Free University of Berlin and Glasgow University.
	School
1984	Abitur

Honors

- Oder 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 Akademie der Wissenschaften 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” (2015-2020)
- 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

Primate Biology (since 2014); Frontiers in Zoology (since 2012); Review Editor Frontiers in Comparative Psychology (since 2010); Animal Behaviour since (2006-2008); Academic Editor PLOS Biology since 2005; Folia Primatologica (2001-2015)

Ad hoc Reviewer

Science, PNAS, Current Biology, Proceedings of the Royal Society-B, Biology Letters, 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, Behaviour, Ethology, Folia Primatologica, American Anthropologist, Pharmacology, Biochemistry and Behaviour, and others.

Evaluator/Reviewer (selection)

- Selection Committee for the Humboldt Research Award and Sofia-Kowalewskaja Award Alexander-von-Humboldt Stiftung (since 2014)
- 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

Board Memberships / Professional Duties (Selection)

- Member of the Senate of the DFG
- Advisory Board „Demographic Change“ of the National Academy Leopoldina (since 2015)
- Advisory Board of Die Junge Akademie (2014-2016)
- Advisory Board “Internationalisation Strategy” Universität Göttingen (since 2014)
- Scientific Advisory Board of the Ernst-Strüngmann Forum (since 2011)
- 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)
- Member of the board „Women in Science“ Bosch-Stiftung (2006-2014)

Conference Organization (Selection)

2016	Co-Organizer FENS Winter School on the Neurobiology of Language and Communication
2016	Host 11 th 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)

2015-2017	Co-Speaker Collaborative Research Unit “Primate Cognition”, funded through “Top level research in Lower Saxony” program of the MWK, € 1 Million
2015-2020	Speaker DFG Research Training Group “Understanding Social Relationships”, € 4.4 Million (incl. overhead)
2015-2018	Leibniz Science Campus for Primate Cognition; Leibniz Association, € 3.6 Million
2015-2017	“Social Comparison Processes in Animals” as part of DFG Forschergruppe FOR2150, € 319.000
2011-2014	Graduate School “Foundations of Primate Social Behaviour”, funded by Leibniz Gemeinschaft, € 918.000; € 330.000 to Cognitive Ethology Lab.
2010-2015	Bernstein Center for Computational Neuroscience € 130.000.
2007-2014	Co-PI Courant Center for the Evolution of Social Behaviour, ~ 1.5 Mio € over 5 years for establishing 2 junior research groups; € 120.000 for own research. The sum of previous funding (expired) is ~ € 1.100.000.

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)

- 2017 Human Evolutionary Biology Department, Harvard, USA (job talk)
- 2017 Plenary Talk, BLAM Meeting, Lund, Sweden
- 2016 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 Key note lecture Argentinian Society for Neuroscience, Cordoba, Argentina
- 2011 Key note lecture at the Dutch Society for Behavioural Biology, Utrecht, Netherlands
- 2010 Opening lecture European Science Open Forum in Torino, Italy

Outreach (selection)

- 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
- Opening Lecture ESOF Turin 01.07.2010

Media

Work has been featured by the New York Times, Wall Street Journal, 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 60 radio interviews, including several 1-hour feature shows such as WDR5 Tischgespräch, Deutschlandradio Zwischentöne, and HR2 Doppelkopf.

Publications Julia Fischer, September 2017

Journal publications

- (1) Almeling L, Sennhenn-Reulen H, Hammerschmidt K, Freund AM, Fischer J (in press)
Social interactions and activity patterns of old Barbary macaques: further insights into the foundations of social selectivity
Animal Behaviour
- (2) Fischer, J (in press)
On the social life and motivational changes of aging monkeys
Gerontology, doi: 10.1159/000477401
- (3) Fischer J, Wadewitz P, Hammerschmidt K (in press)
Structural variability and communicative complexity in acoustic communication
Animal Behaviour, doi: 10.1016/j.anbehav.2016.06.012
- (4) Fischer J (2017)
Primate vocal production and the riddle of language evolution
Psychonomic Bulletin & Review: 24(1): 72–78
- (5) Fischer J, Farnworth MS, Sennhenn-Reulen H, Hammerschmidt K (2017)
Quantifying social complexity
Animal Behaviour 130: 57-66
- (6) Fischer J, Price T (2017)
Meaning, intention, and inference in primate vocal communication
Neuroscience & Biobehavioral Reviews, epub ahead of print, doi: 10.1016/j.neubiorev.2016.10.014
- (7) 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, Volume 162, Issue Supplement S63, pp 15-31
- (8) 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
- (9) 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
- (10) 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
- (11) 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
- (12) Goffe AS, Fischer J (2016)
Meat sharing between male and female Guinea baboons (*Papio papio*)
Primate Biology 3: 1-8
- (13) 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

- (14) 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
- (15) 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
- (16) 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
- (17) Fischer J, Wheeler BC, Higham JP (2015)
Is there any evidence for vocal learning in chimpanzee food calls?
 Current Biology 25 (21): R1028-R1029
- (18) 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
- (19) Hammerschmidt K, Schreiweis C, Minge C, Pääbo S, Fischer J¹, Enard W¹ (2015)
A humanized version of *Foxp2* does not affect ultrasonic vocalization in adult mice
 Genes, Brain and Behavior 14 (8): 583–590
¹shared last authorship
- (20) 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
- (21) 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
- (22) 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
- (23) 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
- (24) 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
- (25) Wheeler BC, Fischer J (2015)
The blurred boundaries of functional reference - A response to Scarantino & Clay
 Animal Behaviour 100: e9-e13
- (26) 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
- (27) 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.
- (28) 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
- (29) 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
- (30) 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
- (31) 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
- (32) 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
- (33) 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
- (34) 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
- (35) 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
- (36) 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
- (37) 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
- (38) 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
- (39) 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
- (40) 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
- (41) 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
- (42) Wheeler BC, Fischer J (2012)
Functionally referential signals: a promising paradigm whose time has passed

Evolutionary Anthropology 21(5): 195-205

- (43) 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
- (44) 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
- (45) Schmitt V, Pankau B, Fischer J (2012)
Old World monkeys compare to apes in the Primate Cognition Test Battery
PLoS One 7(4): e32024
- (46) 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
- (47) 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
- (48) Henselek Y, Fischer J, Schlegel C (2012)
Does the stimulus type influence horses' performance in a quantity discrimination task?
Frontiers in Psychology 3(504): 1-8
- (49) Fischer J, Zinner D (2011)
Communication and cognition in primate group movement
International Journal of Primatology 32(6): 1279-1295
- (50) 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
- (51) Jürgens R, Hammerschmidt K, Fischer J (2011)
Authentic and play-acted vocal emotion expressions reveal acoustic differences
Frontiers in Psychology 2: 180
- (52) Maciej P, Fischer J, Hammerschmidt K (2011)
Transmission Characteristics of Primate Vocalizations: Implications for Acoustic Analyses
PLoS One 6: e23015
- (53) Meise K, Keller C, Cowlshaw 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
- (54) 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
- (55) Schmitt V, Fischer J (2011)
Representational format determines numerical competence in monkeys
Nature Communications. 10.1038/ncomms1262
- (56) 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
- (57) 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

- (58) 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
- (59) Henkel S, Heistermann M, Fischer J (2010)
Infants as costly social tools in male Barbary macaque networks
Animal Behaviour 79: 1199-1204
- (60) Keller C, Roos C, Groeneveld LF, Fischer J, Zinner D (2010)
Introggressive hybridization in southern African baboons shapes patterns of mtDNA variation
American Journal of Physical Anthropology 142: 125-136
- (61) 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
- (62) Teufel C, Ghazanfar AA, Fischer J (2010)
On the relationship between lateralized brain function and orienting asymmetries
Behavioral Neuroscience 124: 437-445
- (63) 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
- (64) 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, Dalke 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, Quidanilla-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
- (65) Ey E, Rahn C, Hammerschmidt K, Fischer J (2009)
Wild female olive baboons adapt their grunt vocalisations to environmental conditions
Ethology 115: 493-503
- (66) Ey E, Fischer J (2009)
The “acoustic adaptation hypothesis” - A review of the evidence from birds, anurans and mammals
Bioacoustics 19: 21-48
- (67) Hammerschmidt K, Radyushkin K, Ehrenreich H, Fischer J (2009)
Female mice respond to male ultrasonic ‘songs’ with approach behavior
Biology Letters 5: 589-592
- (68) 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
- (69) 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
- (70) 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

- (71) 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]
- (72) 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
- (73) 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
- (74) Pfefferle D, Heistermann M, Hodges JK, Fischer J (2008)
Male Barbary macaques eavesdrop on mating outcome: a playback study
 Animal Behaviour 75: 1885-1891
- (75) 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.
- (76) Schmitt V, Melchisedech S, Hammerschmidt K, Fischer J (2008)
Hand preferences in Barbary macaques (*Macaca sylvanus*)
 Laterality 13, 143-157
- (77) Schneider C, Hodges JK, Fischer J, Hammerschmidt K (2008)
Acoustic Niches of Siberut Primates
 International Journal of Primatology 29: 601-613
- (78) 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
- (79) 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
- (80) 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
- (81) 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
- (82) 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
- (83) 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
- (84) Fischer J (2006)
Social Cultures among Nonhuman Primates
 Current Anthropology 47(4): 650-651
- (85) Fischer J, Call J, Kaminski J (2004)

A pluralistic account of word learning

Trends in Cognitive Science 8: 481

- (86) 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
- (87) 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
- (88) Fischer J (2004)
Emergence of individual recognition in young macaques
Animal Behaviour 67: 655-661
- (89) Range F, Fischer J (2004)
Vocal repertoire of sooty mangabeys (*Cercocebus torquatus atys*) in the Tai National Park
Ethology 110: 301-321
- (90) 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
- (91) 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
- (92) 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
- (93) Fischer J, Hammerschmidt K (2002)
An overview of the Barbary macaque, *Macaca sylvanus*, vocal repertoire
Folia Primatologica 72: 32-45
- (94) Fischer J, Hammerschmidt K (2001)
Functional referents and acoustic similarity revisited: the case of Barbary macaque alarm calls
Animal Cognition 4: 29-35
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