



## Dr. Marina Scheumann

Dr. rer. nat. Marina Scheumann

### Main interests:

- Vocal correlates of mammalian vocalization: Identity, prosodic, indexical and hormonal cues ([1](#), [5](#))
- Vocal communication in mammals: from mouse lemurs to rhinoceros ([2](#), [3](#), [5](#))
- Effects on cross-taxa perception: Phylogeny, familiarity and acoustic structure ([4](#))
- Development of non-invasive tools to measure physiological and neurological emotional responses ([5](#))



Dr. rer. nat. Marina  
Scheumann

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### Professional and scientific career

since 2007

Research assistant (wiss. Angestellte) at the Institute of Zoology, University of Veterinary Medicine Hannover

#### **2009 - 2011**

Collaboration in DAAD-PROCOPE Project: Evolution of manual lateralization in primates: a comparative approach, Institute of Zoology, University of Veterinary Medicine Hannover und University of Rennes 1, France

#### **2006 - 2007**

Research scientist at the Institute of Zoology (TiHo Hannover)

#### **2004 - 2007**

Student of the Ph.D. program of the Center for Systems Neuroscience, Hannover (ZSN Hannover)

#### **2003 - 2010**

Participation in DFG project FOR499:

Acoustic communication of emotions in nonhuman mammals and man: production, perception, and neural processing

#### **2003 - 2006**

PhD fellowship of the DFG graduate school: Perspectives in Primatology: Integration of Genetic, Neurobiological and Ethological research strategies, German Primate Center and Institute of Zoology, University of Veterinary Medicine Hannover

#### **04.2000 - 06.2003**

Student assistant at the Max-Planck-Institut for Evolutionary Anthropology, Leipzig

#### **1999**

Student assistant at the University of Leipzig

#### **1998 - 2003**

Zoo guide in the Zoo Leipzig

### Education and further qualification

#### **2017-2018**

Participation in "Professional Teaching" (organized by the University of Veterinary Medicine)

#### **2016-2017**

Mentee in the Ina Pichlmayr Mentoring-programm organized by the MHH (Hannover Medical School)

#### **2007**

Dissertation (summa cum laude), Topic: **Evolution of acoustic communication in non-human primates: New insights from Malagasy lemurs** Supervisor: Prof. Dr. E. Zimmermann, Co-supervisors: Prof. Dr. E. Altenmüller, Prof. Dr. R. Dengler; PhD-programm of the Center for System Neuroscience Hannover

#### **2003**

Diploma in biology, Topic: **Nahrungssuchstrategien bei Orang-Utans und einem Gibbon im Zoo** Supervisors: Dr. Josep Call, Prof. Dr. M. Tomasello, Prof. Dr. K. Schildberger

#### **1997 2003**

Study of Biology at the University Leipzig Main subjects: Behavioural Physiology, Zoology, Botany, Ecology, Minor subject:

Psychology

**1997**

Abitur at the Johannes-Kepler Gymnasium, Leipzig

**Awards & grants**

**2018-2020**

DFG grant: SCHE 1927/2-1: Vocal correlates of male quality and perceptivity in the vocalizations of white rhinoceros

**2017**

Open Access fund of the DFG for two publications

**2016**

Invited speaker of the DZG section: Behavioral Biology at the 109 Meeting of the German Society, Kiel

**2015 - 2017**

Mentee in the Ina-Pichlmayr-Mentoring programme for female scientists granted by the "Gleichstellungsbüro" of the University of Veterinary Medicine

**2014 and 2015**

Research grant of the Serengeti-Park Foundation

**2008**

Travel grant from the Gleichstellungsbüro for participating in the Internationalen Prosimian Kongress in Ithala, South Africa

**2003 - 2006**

Phd fellowship of the DFG-Graduate school: Perspectives in Primatology: Integration of Genetic, Neurobiological and Ethological research strategies.

**2006**

Second price for oral presentation at the German meeting of the German Society of Primatology, Leipzig, Germany

**2005**

Honorable Mention Student Oral Presentation at the International Conference of Primatology, Turin, Italy

**1997**

Karl-von-Frisch Abitur price of the Verband Deutscher Biologen e.V.

**Publications**

**I. Articles in peer reviewed journals**

**2018**

Hasiniaina, A.F.; Scheumann, M.; Rina Evasoa, M.; Braud, D.; Rasoloharijaona, S.; Randrianambinina, B. & Zimmermann, E. (submitted): **High frequency/ultrasonic communication in a critically endangered nocturnal primate, Claire's mouse lemur (*Microcebus mambiratra*)** [Am J Primatol](#). 2018 May 2:e22866. doi: 10.1002/ajp.22866.

Linn, S.; Scheumann, M. (2018): **First insights into the vocal repertoire and vocal ontogeny of infant and juvenile Southern White Rhinoceros**. PlosOne [Doi: 10.1371/journal.pone.0192166](#)

**2017**

Hartmann D.; Davila-Ross M.; Wong S.T.; Call, J.; Scheumann M. 2017: **Spatial transposition tasks in Indian sloth bears (*Melursus ursinus*) and Bornean sun bears (*Helarctos malayanus eurypilus*)**. Journal of Comparative Psychology, 131(4), 290-303 doi: [10.1037/com0000077](#)

Scheumann, M.; Hasting, A. S.; Zimmermann, E.; Kotz, S. A. 2017. **Human Novelty Response to Emotional Animal Vocalizations: Effects of Phylogeny and Familiarity**. Front. Behav. Neurosci.; 11:204; doi: 10.3389/fnbeh.2017.00204

Konerding, W. S.; Zimmermann, E.; Bleich, E.; Hedrich, H. J.; Scheumann, M. 2017. **The head turn paradigm to assess auditory laterality in cats: influence of ear position and repeated sound presentation**. PeerJ; 5:e3925; doi: 10.7717/peerj.3925

Scheumann M.; Linn S.; Zimmermann E. (2017): **Vocal greeting during mother-infant reunions in a nocturnal primate, the gray mouse lemur (*Microcebus murinus*)**. Scientific Reports; 7: 10321. DOI: [10.1038/s41598-017-10417-8](#)

**2016**

Konerding WS.; Zimmermann E.; Bleich E.; Hedrich H-J.; Scheumann M.: **Sex differences in responsiveness to arousal in the voice of kittens**. BMC evolutionary Biology 2016:157 DOI: 10.1186/s12862-016-0718-9

**2015**

Mahaboubi, S.; Randrianambinina, B.; Rakotondravony, R.; Scheumann, M.; Zimmermann, E.; Rasoloharijaona, S. (2015): **First characterization of the vocal acoustics of Otto's sportive lemur *Lepilemur otto* (Craul et al., 2007) with remarks on its**

**abundance.** Lemur News 19:16-21.

Ramanankirahina R, Joly M, Scheumann M, Zimmermann E: **The Role of Acoustic Signaling for Spacing and Group Coordination in a Nocturnal, Pair-Living Primate, the Western Woolly Lemur (*Avahi occidentalis*)** American Journal of Physical Anthropology 11/2015; DOI:10.1002/ajpa.22898

Kessler SE, Scheumann M, Hanbury DB, Nash LT, Zimmermann E, Watson SL: **Screams in the Night: Pilot Study Reveals Moderate Evidence for Individual Differences in Lorisoid Vocalizations.** International Journal of Primatology 2015:9847 DOI: [10.1007/s10764-015-9847-z](https://doi.org/10.1007/s10764-015-9847-z)

## 2014

Scheumann M., Hasting A. S., Kotz S. A., Zimmermann E.: **The Voice of Emotion across Species: How Do Human Listeners Recognize Animals' Affective States?** PLoS ONE 01/2014; 9(3):e91192. DOI:10.1371/journal.pone.0091192

Röper, K.M.; Scheumann, M.; Wiechert, A.B.; Nathan, S.; Goossens, B.; Owren, M.J.; Zimmermann, E. (2014): **Vocal acoustics in the endangered proboscis monkey (*Nasalis larvatus*)**. Am. J. Primatol. 76 (2): 192-201.

## 2013

Maille, A., Jäschke, N., Joly, M., Scheumann, M., Blois-Heulin, C. & Zimmermann, E. (2013) **Does a Nonprimate Mammal, the Northern Tree Shrew (*Tupaia belangeri*), Exhibit Paw Preference in Two Forms of a Grasping Task?** J. Comp. Psychol. 127 (1): 14-23. - DOI: 10.1037/a0029238

## 2012

Scheumann M, Roser A-E, Konerding W, Bleich E, Hedrich HJ, Zimmermann E: **Vocal correlates of sender-identity and arousal in the isolation calls of domestic kitten (*Felis silvestris catus*)**. Frontiers in Zoology 2012, 9:36 doi:10.1186/1742-9994-9-36

Kessler, S.E.; Scheumann, M.; Nash, L.T.; Zimmermann, E. (2012): **Paternal kin recognition in the high frequency / ultrasonic range in a solitary foraging mammal.** BMC Ecology 12: 26.

Joly M, Scheumann M, Zimmermann E (2012): **Posture Does Not Matter! Paw Usage and Grasping Paw Preference in a Small-Bodied Rooting Quadrupedal Mammal.** [PLoS ONE](https://doi.org/10.1371/journal.pone.0038228) 7(5): e38228. doi:10.1371/journal.pone.0038228

## 2011

Scheumann, M., Joly-Radko, M., Leliveld, L.; Zimmermann, E. (2011): **Does body posture influence hand preference in an ancestral primate model?** BMC Evol. Biol. 11:52. Doi: [10.1186/1471-2148-11-52](https://doi.org/10.1186/1471-2148-11-52)

Leliveld, L., Scheumann, M., Zimmermann, E. (2011): **Acoustic correlates of individuality in the vocal repertoire of a nocturnal primate (*Microcebus murinus*)**. J. Acoust. Soc. Am. 129 (4): 2278-88 Doi: [10.1121/1.3559680](https://doi.org/10.1121/1.3559680)

## 2010

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E. (2010): **Effects of caller characteristics on auditory laterality in an early primate (*Microcebus murinus*)**. PLoS ONE, Vol 5,2

## 2008

Joly, M.; Scheumann, M.; Zimmermann, E. (2008): **Wild mouse lemurs revisit artificial feeding platforms: implications for field experiments on sensory and cognitive abilities in small primates.** Am. J. Primatol. 70: 892-896

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E. (2008): **Manual lateralization in early primates: a comparison of two mouse lemur species.** Am. J. Phys. Anthropol. 137: 156-163

Scheumann, M.; Zimmermann, E. (2008): **Sex-specific orientation asymmetries in communication sound processing are not related to hand preference in an early primate.** BMC Biol. 6: 3.

Sündermann, D.; Scheumann, M.; Zimmermann, E. (2008): **Olfactory predator recognition in predator-naïve gray mouse lemurs (*Microcebus murinus*)**. J. Comp. Psychol.122: 146-155.

## 2007

Scheumann, M.; Rabesandratana, A.; Zimmermann, E. (2007): **Predation, communication and cognition in lemurs.** In: Gursky, S.L.; Nekaris, K.A.I. (eds.): Primate Anti-Predators Strategies. Developments in Primatology, Springer-Verlag, New York, pp:100-126.

Scheumann, M.; Zimmermann, E.; Deichsel, G. (2007): **Context-specific calls signal infant s needs in a strepsirrhine primate, the gray mouse lemur (*Microcebus murinus*)**. Dev. Psychobiol. 49(7): 708-718.

## 2006

Scheumann, M.; Call J. (2006): **Sumatran orangutans (*Pongo abelii*) and a yellow-cheeked crested gibbon (*Nomascus gabriellae*) know what is where** . Int J Primatol. 27 (2): 575-602

## 2004

Scheumann, M.; Call J. (2004): **Use of experimenter-given cues in South African fur seals (*Arctocephalus pusillus*)**. *Animal Cognition* 7(4): 224-230.

## II. Abstracts of international conferences

### 2018

Scheumann, M.; Röper, K. & Zimmermann, E. (2018): **Vocal intervention: Group leaders terminate social conflicts via vocalisations**. Annual Meeting of the Ethological Society, Potsdam, 26.02.-28.02.2018.

### 2017

Scheumann, M.; Linn, S.; Zimmermann, E. (2017): **Function of greeting behavior during mother-infant interactions in an infant-parking primate**. *Behaviour*, 30.07.-04.08.2017.

Scheumann, M.; Linn, S.; Zimmermann, E. (2017): **To get insight into the evolutionary roots of vocal greeting: the importance of mother-infant reunions**. DZG Talk, Bielefeld, 12.05.-15.05.2017.

Scheumann, M.; Linn, S. (2017): **First insight into the vocal ontogeny of a large-bodied semi-social mammal, the white rhinoceros**. Annual Meeting of the Ethological Society, Bonn, 22.02.-24.02.2017.

### 2016

Scheumann, M. (2016): **Comparative Bioacoustics: Differences in the emotional communication across mammals**. 109th DZG, Kiel, 14.09-17.09.2016.

Radespiel, U.; Ramanankirahina, R.; Joly, M.; Scheumann, M.; Zimmermann, E. (2016): **The role of vocal signalling for pair cohesion and spacing in the western woolly lemur (*Avahi occidentalis*) in northwestern Madagascar**. IPS Chicago, Chicago, 21.08.-27.08.2016.

Radespiel, U.; Hasiniaina, A. F.; Evasoa, M. R.; Scheumann, M.; Randrianambinina, B.; Rasoloharijaona, S.; Zimmermann, E. (2016): **The role of vocalizations in species diversity and evolution of lesser mouse lemurs (*Microcebus* spp.): First results from northwestern Madagascar**. IPS Chicago, Chicago, 21.08.-27.08.2016.

Linn, S.; Scheumann, M. (2016): **Vocal behavior of infant Southern white rhinoceros: First insights into the call repertoire**. 8th ECBB, Vienna, 12.05.-15.05.2016.

Scheumann, M.; Linn, S.; Zimmermann, E. (2016): **Greeting before entering home: Vocalizations during mother-infant interactions in an infant-parking primate**. 8th ECBB, Vienna, 12.05.-15.05.2016.

Ramanankirahina, R.; Joly, M.; Scheumann, M.; Zimmermann, E. (2016): **Vocal signalling used for pair cohesion and spacing in the western woolly lemur (*Avahi occidentalis*) in northwestern Madagascar**. 8th ECBB, Vienna, 12.05.-15.05.2016.

### 2015

Linn, S.; Scheumann, M. (2015): **First insights into the vocal repertoire of infant Southern white rhinoceros**. 10th International Conference on Behaviour, Physiology and Genetics of Wildlife, Berlin, 28.09.-01.10.2015.

### 2013

Kessler, S.E.; Scheumann, M.; Hanbury, D.B.; Nash, L.T.; Zimmermann, E.; Watson, S.L. (2013): **Screams in the night: individual signatures in lorisooid vocalizations**. 5th International Prosimian Congress, Ranomafana, Madagascar, 4.8.-9.8.2013, p. 36-37.

Ramanankirahina, R.; Joly, M.; Scheumann, M.; Zimmermann, E. (2013): **The role of acoustic signals for spacing and cohesiveness in a nocturnal, cohesive pair living lemur**. 5th International Prosimian Congress, Ranomafana, Madagascar, 4.8.-9.8.2013, p. 65.

Kessler, S.E.; Scheumann, M.; Hanbury, D.B.; Nash, L.T.; Zimmermann, E.; Watson, S.L. (2013): **Screams in the night: individual signatures in bushbaby bark vocalizations**. 13th Conference of the Gesellschaft für Primatologie, Hamburg, 6.2.-8.2.2013, p.41.

Röper, K.M.; Klaus, A.; Scheumann, M.; Wiechert, A.K.; Owren, M.J.; Nathan, K.S.S.; Goossens, B.; Zimmermann, E. (2013): **Loud calling in an endangered primate of Borneo, the proboscis monkey (*Nasalis larvatus*): vocal activity and acoustic characteristics**. 13th Conference of the Gesellschaft für Primatologie, Hamburg, 6.2.-8.2.2013, p. 64.

### 2012

Kessler, S.E.; Scheumann, M.; Nash, L.T.; Zimmermann, E. (2012): **Paternal kin recognition in female, captive, grey mouse lemurs (*Microcebus murinus*)**. 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists, Portland, Oregon, 11.4.-14.4.2012, p. 180.

Konerding, W.S.; Scheumann, M.; Bleich, E.-M.; Hedrich, H.-J.; Zimmermann, E. (2012): **Understanding the infant cry: sex-differences in the responsiveness to affect intensity in the voice of kitten separation calls.** 6<sup>th</sup> European Conference on Behavioural Biology, Essen, 19.7.-22.7.2012, p. 63.

Scheumann, M. (2012): **Emotional information coded in infant mammalian vocalizations: a comparative approach.** 6<sup>th</sup> European Conference on Behavioural Biology, Essen, 19.7.-22.7.2012, p. 96-97.

Scheumann, M. (2012): **The voice of emotion: bioacoustic tools to assess emotions in animals.** 6<sup>th</sup> European Conference on Behavioural Biology, Essen, 19.7.-22.7.2012, p. 96.

## 2011

Scheumann M., Roser A.-E., Konerding W., Bleich E., Hedrich H.J., Zimmermann E. (2011): **Expression of affect-intensity and identity in infant isolation calls of domestic cats.** In: Program and Abstracts: International Bioacoustics Congress, La Rochelle, Frankreich, 12.-16.09.2011

Röper, K.M.; Scheumann, M.; Zimmermann, E. **Influence of body posture on handedness in Goodman s mouse lemurs (*Microcebus lehilahytsara*).** In: Abstracts and program 12th Conference of the Gesellschaft für Primatologie, Utrecht, the Netherlands, 30.03.-01.04.2011; 2011, S.60

Kessler, S.E.; Scheumann M.; Nash L.T.; Zimmermann, E. **Paternal kin recognition in female, captive, grey mouse lemurs (*Microcebus murinus*).** In: Abstracts and program 12th Conference of the Gesellschaft für Primatologie, Utrecht, the Netherlands, 30.03.-01.04.2011; 2011, S. 30

## 2010

Zimmermann, E.; Joly-Radko, M.; Scheumann, M.: **Hand preference in tree shrews and prosimian primates: a comparative approach.** In: Abstracts & program 23rd Congress of the International Primatological Society, Kyoto, 12.-18.9.2010; 2010, S. #450

Roser, A.-E.; Scheumann, M.; Konerding, W.; Bleich, E.; Hedrich, H.-J.; Zimmermann, E.: **Prosodic cues in isolation calls of kittens.** In: Programme and Abstracts 5th European Conference on Behavioural Biology, Ferrara, 16.-18.7.; 2010, S. 144

Scheumann, M.; Hasting, A.; Kotz, S. A.; Zimmermann, E.: **Do phylogeny and/or familiarity influence cross-taxa perception of acoustically conveyed emotion in human listeners?** In: Evolution of emotional communication: from sounds in nonhuman mammals to speech and music in man Günzburg, 28.4.-1.5.2010; 2010, S. 26

Hasting, A. S.; Scheumann, M.; Zimmermann, E.; Kotz, S. A.: **The valence of emotional animal vocalizations modulates electrophysiological correlates of the human orienting response.** In: Evolution of emotional communication: from sounds in nonhuman mammals to speech and music in man Günzburg, 28.4.-1.5.2010; 2010, S. 23

## 2009

Scheumann, M.; Hastings, A.; Kotz, S.A.; Zimmermann, E.: **Do phylogeny and/or familiarity influence cross-taxa perception of acoustically conveyed emotions?** In: Programme and Abstracts 102. Jahresversammlung der Deutschen Zoologischen Gesellschaft, Regensburg, 25.-28.09.2009; 2009, S. 29

Schopf, C.; Scheumann, M.; Zimmermann, E. (2009): **Seasonality in vocal behaviour of a nocturnal primate (*Microcebus lehilahydsara*).** In: Programme and Abstracts 102. Jahresversammlung der Deutschen Zoologischen Gesellschaft, Regensburg, 25.-28.09.2009, S. 44

Leliveld, L.; Scheumann, M.; Zimmermann, E.: **Acoustic correlates of individuality in the vocal repertoire of a nocturnal lemur (*Microcebus murinus*).** In: Leibniz Institute for Zoo and Wildlife Research (IZW) (Hrsg.): 7th International Conference on Behaviour, Physiology and Genetics of Wildlife, Berlin, 21.-24.09.2009; 2009, S. 121

Scheumann, M.; Hastings, A.; Kotz, S.A.; Zimmermann, E.: **Cross-taxa perception of acoustically conveyed emotions.** In: Abstracts & program 31st International Ethological Conference, Rennes, 19.-24.8.2009 S. 403-404.

Leliveld, L.; Scheumann, M.; Zimmermann, E.: **Individual signatures in communication calls of a nocturnal lemur (*Microcebus murinus*).** In: Abstracts & program 31st International Ethological Conference, Rennes, 19.-24.8.2009 S. 315

Leliveld, L.; Schopf, C.; Scheumann, M.; Zimmermann, E.: **Individual cues in vocalizations across the vocal repertoire of two mouse lemur species.** In: Programme and Abstracts 11th Meeting of the Gesellschaft für Primatologie, Hannover, 24.-26.2.2009; 2009, S. 49

## 2008

Scheumann, M.; Zimmermann, E.: **Sex-specific perception of conspecific communication calls in grey mouse lemurs.** 22nd Congress of the International Primatological Society, Edinburgh, 3.-8.8.2008; Primate Eye 96 (special Issue) # 494.

Borchert, K.; Scheumann, M.; Zimmermann, E.: **The role of olfaction in social communication of the Goodman s mouse lemur.** 22nd Congress of the International Primatological Society, Edinburgh, 3.-8.8.2008; Primate Eye 96 (special Issue) # 282.

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E.: **Individual signatures in communication calls of a nocturnal lemur (*Microcebus murinus*).** 22nd Congress of the International Primatological Society, Edinburgh, 3.-8.8.2008; Primate Eye 96 (special Issue) # 665.

Schopf, C.; Scheumann, M.; Zimmermann, E.: **Ultrasonic advertisement calling in the Goodman's mouse lemur: seasonal effects and individuality**. 22nd Congress of the International Primatological Society, Edinburgh, 3.-8.8.2008; Primate Eye 96 (special Issue) # 668.

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E.: **Individual signatures in communication calls of a nocturnal lemur (*Microcebus murinus*)**. In: Programme and Abstracts Int. Conf. Vocal Communication in Birds and Mammals, St. Andrews, Scotland, 31.7.-2.8.2008; 2008, p.33.

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E.: **Do ancestral primates have handedness?** In: Programme and Abstracts Marie Curie Conference - ESOF, Barcelona 17.-18.7.2008; 2008, # P-198.

Borchert, K.; Scheumann, M.; Zimmermann, E.: **Female dominance in captive Goodman's mouse lemurs (*Microcebus lehilahytsara*)**. In: Programme and Abstracts Meeting of Ethologische Gesellschaft, Regensburg, 20.2.-22.2.2008; p. 44.

## 2007

Scheumann, M.; Zimmermann, E. (2007): **Toward the evolutionary roots of laterality in hand usage and communication sound processing of primates**. In: Programme and Abstracts International Symposium "Evolution of Emotional Communication", Hannover, 27.-29.09.2007; p. 28

Scheumann, M.; Zimmermann, E.: **Mother-offspring communication in gray mouse lemurs**. In: Programme and Abstracts 30th International Ethological Conference, Halifax, Canada, 15.-23.08.2007; p. 129.

Leliveld, L.M.C.; Scheumann, M.; Zimmermann, E.: **Manual lateralisation in early primates: a comparison of two mouse lemur species**. In: Programme and Abstracts 30th International Ethological Conference, Halifax, Canada, 15.-23.8.2007; p. 115.

Scheumann, M.; Zimmermann, E.: **Mother-offspring communication in grey mouse lemurs**. In: Programme and Abstracts International Congress Prosimians, Ithala, South Africa, 15.-19.07.2007; p. 33.

## III. Articles in popular science journals

### 2008

Scheumann, M.; Zimmermann, E. (2008): **Rechts oder links bei Mausmakis**. Spektrum der Wissenschaft 4: 16-19.

## IV. Books

### 2007

Scheumann, M. (2007): **Evolution of acoustic communication in non-human primates: New insights from Malagasy lemurs**. PhD thesis, University of Veterinary Medicine, Institute of Zoology

#### [Review for](#)

#### Professional journals

Animal behaviour, Behavioural Brain Research, Biology Letters, BMC Biology, BMC Evolutionary Biology, Brain & Language, Current Zoology, Ethology, Journal of Comparative Psychology, Journal of Experimental Biology, Mammal Review, Plos One, Proceeding of the Royal Society B Biological Science, Scientific letters, International Journal of Primatology, Interaction Studies, Royal Society Open Science

#### Scientific advice

Benny Blue children books

#### [Membership in scientific societies](#)

- Gesellschaft für Primatologie ([GfP](#))
- International Society of Primatology ([IPS](#))
- Deutsche Zoologische Gesellschaft (DZG)
- World Wildlife Foundation (WWF)

#### [Organizer/Co-organizer of the following workshops, symposia or conferences](#)

### 2012

Organisation of the Symposium: The voice of emotion: Bioacoustic tools to assess emotions in animals at the 6th European Conference for Behavioural Biology in Essen, 19.7.-22.7.2012

### 2008 - 2009

Organisation of the 11th Conference of the Gesellschaft für Primatologie at the University of Veterinary Medicine Hannover, 24.-26.02.2009; together with Prof. Dr. Elke Zimmermann, Apl. Prof. Dr. Ute Radespiel and Dr. Marine Joly

### 2008

Organisation of the Symposium: Sensory perception and cognition in prosimians at the 22th Congress of the International Society of Primatology in Edinburgh, Schottland, 3.-8.8.2008; together with Dr. Marine Joly

### 2007

Co-Organisation of the congress: "Evolution of Emotional Communication: From Sounds in Nonhuman Mammals to Speech and

Music in Man" at the University of Music and Drama Hannover, 27.-29.09.2007; together with Prof. Dr. Elke Zimmermann, Prof. Dr. Eckhard Altenmüller, PD Dr. Sabine Schmidt, Dr. Michael Großbach, Dr. Simone Schehka, Dr. Simone Janßen und Dr. Oliver Grewe

## 2005

Co-Organisation of the work shop: Brainstorming - Interdisciplinary Aspects of Neuroscience at the Landesmuseum Hannover, 18-21.05.2005; together with the PhD students of the year 2004 of the Center for System Neuroscience Hannover

## [Further scientific activities](#)

### 2010 - 2014

- Board member of the "Gesellschaft für Primatologie" ([GfP](#))

## [Teaching](#)

### Bachelor

- Seminar "Quantification of behaviour in the Zoo Hannover"

(part of the obligatory BA modul: "Zoology and behavioural biology")

- Lab course: "Vertiefungspraktikum Biologie"; 5. Semester
- Supervision of bachelor theses
- Co-supervision of the obligatory class (0031): "Spezielle Zoologie und Zoologische Übungen"; 1. Semester

### Master

- Modul (3115): "Biocommunication of mammals"; 3. Semester
- Co-supervision of the Modul (2106): "Experimental behavioural biology"; 2. Semester
- Co-supervision of the Modul (3103): "Experimental behavioural and evolutionary research Primatology"; 3. Semester
- Supervision of Master theses

### Co-supervision of the PhD

- Course "Neurobiology of animal communication"

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*Sie sind hier: [Kliniken & Institute](#) > [Institute](#) > [Institut für Zoologie](#) > [Forschung](#) > [AG Zimmermann](#) > [Dr. Marina Scheumann](#)*

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