CORTICAL SYSTEMS AND BEHAVIOR LABORATORY

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Cory T. Miller, PhD
University of California, San Diego
9500 Gilman Dr. #0109
La Jolla, CA 92093
Ph 858 822 2267
corymiller@ucsd.edu
http://millerlab.ucsd.edu

Education & Training.

BA --- University of Colorado at Boulder [1994 - 1998]
PhD --- Harvard University [1999 - 2003]
Post-Doctoral Fellow --- Johns Hopkins University [2003 - 2009]

Academic Positions.

2016 – current --- Associate Professor, Department of Psychology, UC San Diego
2009 - current --- Neurosciences Graduate Program, UC San Diego
2009 - 2016 --- Assistant Professor, Department of Psychology, UC San Diego

Extramural Funding.

2012-2023 – NIH 2R01 DC012087

- Role. PI
- Title. Neural basis of vocal signal recognition during natural communication

2018-2023 – NIH R01 NS109294

- Role. PI
- Title. Neural basis of memory in primate medial temporal lobe

2019-2022 – AFOSR 19RT0316

- Role. Co-PI [PI - Alex Huk]
- Title. Visually-guided primate predation: A computational neuroethology of visual search and targeting in a complex, natural environment

2020-2023 –NIH U01 NS116377

- Role. MPI [PI – Alex Huk]
- Title. Neural circuit computations for visual motion during natural primate behaviors.

2020-2025 – NIH R01 NS118457

- Role. PI [Co-PI – Zheng]
- Title. Spatial exploration and navigation in the primate hippocampus

2020-2025 – NIH U24 MH123423

- Role. Co-PI [PI - Wang]
- Title. Bicoastal Marmoset Breeding Center

Prior

2000 - Explorers Club

- Role. PI
- Title. Vocal communication in Ugandan vervet monkeys

2001-2004 - NIH - F31 MH63501

- Role. PI
- Title. Sources of variation in primate vocal behavior

2004-2006 - NIH - F32 DC007022

- Role. PI
- Title. Neuroethology of call recognition in primates.

2005 - National Organization for Hearing Research Foundation

- Role. PI
- Title. The functional anatomy of communication signal processing in primate neocortex.

2006-2009 - NIH - R03 DC008404

- Role. PI
- Title. The neural correlates of antiphonal calling

2007-2012 – NIH – K99lR00 DC009007

- Role. PI
- Title. Cortical mechanisms underlying vocal signal recognition

2012-2017 – NIH - 1R01 DC012087

- Role. PI
- Title. Neural basis of vocal signal recognition during natural communication

2012-2013 – Kavli Innovative Research Grant

- Role. Co-PI [PI – Jude Mitchell]
- Title. Developing marmosets as a model for visual neuroscience and optogenetics research

2014-2016 – NIH R21 MH104756

- Role. Co-PI [PI – Jude Mitchell]
- Title. Optogenetic tools to distinguish neuronal class in behaving nonhuman primates

2015-2016 – Kavli Innovative Research Grant

- Role. Co-PI [PI – Samuel Nummela]
- Title. Reconciling mneumonic and spatial memory in the marmoset hippocampus

2013-2017 – NSF - IDBR 1254309

- Role. Co-PI [PI – Ross Snider]
- Title. A measurement system for behavioral and acoustic communication networks in wild vertebrates

2016 – NSF

- Role. PI
- Title. Conference Grant: Comparative Principles of Brain Architecture and Function

2017-2019 – DARPA SSC-5029

- Role. Co-PI [PI: Xiaoqin Wang]
- Title. Targeted Neuroplasticity Training

Honors and Awards.

1998 - C.M.U. Young Scientist Travel Fellowship
1999 - NSF Graduate Fellowship - Honorable Mention
2001 - Harvard University Certificate of Distinguished Teaching
2001-2004 – NIH NIMH Individual Pre-Doctoral NRSA Fellowship (F31 MH63501)
2002 - Harvard University Certificate of Distinguished Teaching
2004-2006 – NIH NIDCD Individual Post-Doctoral NRSA Fellowship (F32 DC007022)

Field Work.

1995 - La Suerte Biological Field Station, Costa Rica : Capuchins : Cebus capucinus
1996 - Betumonga Research Station, Indonesia : Simakobu Monkeys : Simias concolor
1997-2003 - Cayo Santiago, Puerto Rico : Rhesus Monkeys : Macaca mulatta

2000 - Farley Hills, Barbados : Vervet Monkeys : Cercopithecus aethiops
2000 - Lake Nabugabo, Uganda : Vervet Monkeys : Cercopithecus aethiops
2000 - Kousseri, Cameroon : Vervet Monkeys : Cercopithecus aethiops
2002 - Soberania National Park, Panama : Cotton-top Tamarins : Saguinus oedipus
2010 – ongoing – Recife, Brazil: Common Marmosets : Callithrix jacchus

Teaching .

University of Colorado at Boulder
- Undergraduate Teaching Assistant – "Animal Behavior" (1998)

Harvard University
- Teaching Fellow – "Human Behavioral Biology" (2000); "Perception: Taste, Touch and Sound" (2001); "Cognitive Psychology" (2001); "Animal Cognition Laboratory" (2002)
Assistant Head Teaching Fellow – "Evolution of Human Nature" (2002)
- Instructor – "Neuroethology" (2003)

University of California, San Diego
PSY122 'Mechanisms of Behavior' (2010-2017)
Neuro200c 'Cognitive Neuroscience' (2013-present)
PSY240 'The Primate Brain' (2009,2012)
PSY234 'Evolution of Language' (2011)
PSY81 'Lab: Brain, Behavior and Evolution' (2018-present)

Invited Talks.

2001 - Japanese Primate Research Institute (Inuyama, Japan)
2002 - Yale University, Dept of Psychology (New Haven, CT)
2002 - Johns Hopkins University, Dept of Biomedical Engineering (Baltimore, MD)
2004 - National Institute of Health (Poolesville, MD)
2005 - Max Planck Institute (Leipzig, Germany)
2005 – Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2006 - Gordon Conf: Sensory Coding and the Natural Environment (Big Sky Resort, MT)
2007 - Dartmouth College, Dept of Psychology (New Hanover, NH)
2007 - Emory University, Dept of Psychology (Atlanta, GA)
2008 - Rutgers University, Dept of Psychology (New Brunswick, NJ)
2008 - University of California, San Diego, Dept of Psychology (La Jolla, CA)
2009 – University of Oslo, 'Darwin Day Symposium' (Olso, Norway)
2011 – Princeton University, Face-to-Face, Brain-to-Brain Workshop (Princeton, NJ)
2012 – University of California, San Diego; Neuroscience Seminar Series (La Jolla, CA)
2013 – University of Texas at Austin; Center for Perceptual Systems Seminar (Austin, TX)
2014 – University of Pittsburgh; Dept of Neurobiology (Pittsburgh, PA)
2015 – University of Oregon; Institute of Neuroscience (Eugene, OR)
2015 – 'Marmoset as a Transgenic Model of the Human Brain' Workshop; Janelia Farm (Ashburn, VA)
2015 – Johns Hopkins University; Mind/Brain Institute, Dept of Neuroscience (Baltimore, MD)
2015 – Comparative Neural Circuits Workshop (Jackson Hole, WY)
2015 – Primate Neuroscience Workshop (Beijing, China)
2016 – Vanderbilt University, Dept of Psychological Sciences (Nashville, TN)
2016 – Duke University, Dept of Neurobiology (Durham, NC)
2016 – University of California, Berkeley; Cognitive & Behavioral Neuro Colloquium (Berkeley, CA)
2016 – 'Comparative Principles of Brain Architecture and Function' Workshop (San Diego, CA)
2016 – BRAIN/Minds International Symposium (Tokyo, Japan)
2017 – 'Primate Neuroscience: Perception, Cognition and Disease Models' Symposium (Suzhou, China)
2017 – 4th International Symposium on Acoustic Communication in Animals (Omaha, NE)
2017 – University of Toronto, CPIN Neuroscience Distinguished Lectureship Series (Toronto, CA)
2018 – La Timone Neuroscience Institute Workshop (Marseille, France).
2019 – University of Pittsburgh, Dept of Neurobiology (Pittsburgh, PA)
2019 – University of Massachusetts Amherst, Neuroscience & Behavior Colloquium Series (Amherst, MA)
2020 – iNav – International Navigation Symposium (Cortina, Italy) – *Virtual meeting due to Covid-19*

2020 – NIH BRAIN Initiative Investigators Meeting (virtual meeting due to Covid-19)
2020 – McGill University, Neuroscience for Mental Health Seminar (Montreal, Canada) – *Virtual Seminar due to Covid-19*
2020 – University of Newcastle (Newcastle, UK) - *Virtual Seminar due to Covid-19*
2021 – Gordan Research Conference: Neuroethology (Mt Snow, VT)

Conference Presentations.

1998 - American Society of Physical Anthropology (Salt Lake City, Utah)
1999 - Evolution of Mind Symposium (London, England)
2001 - International Ethological Society Meeting (Tuebingen, Germany)
2001 - SAGA4 (Okayama, Japan)
2003 - 1st Conference on Acoustic Communication in Animals (College Park, MD)
2005 – Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2005 - Society for Neuroscience (Washington, DC)
2006 - Advances and Perspectives in Auditory Neurophysiology (Atlanta, GA)
2006 - Society for Neuroscience (Atlanta, GA)
2007 - Advances and Perspectives in Auditory Neurophysiology (San Diego, CA)
2007 - Society for Neuroscience (San Diego, CA)
2008 - Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2008 - Society for Neuroscience (Washington, DC)
2009 – Association for Research in Otolaryngology (Baltimore, MD)
2009 – CoSyne (Salt Lake City, UT)
2009 - Advances and Perspectives in Auditory Neurophysiology (Chicago, IL)
2009 - Society for Neuroscience (Chicago, IL)
2010 - SoCal Hearing Conference (Irvine, CA)
2011 - Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2011 - Society for Neuroscience (Washington, DC)
2012 – Annual Interdisciplinary Conference (Breckenridge, CO)
2012 - Advances and Perspectives in Auditory Neurophysiology (New Orleans, LA)
2012 - Society for Neuroscience (New Orleans, LA)
2013 - Annual Interdisciplinary Conference (Jackson Hole, WY)
2013 - Advances and Perspectives in Auditory Neurophysiology (San Diego, CA)
2013 - Society for Neuroscience (San Diego, CA)
2014 - Annual Interdisciplinary Conference (Jackson Hole, WY)
2014 - Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2014 - Society for Neuroscience (Washington, DC)
2015 - Annual Interdisciplinary Conference (Jackson Hole, WY)
2015 – Animal Behaviour Society (Anchorage, AK)
2015 - Advances and Perspectives in Auditory Neurophysiology (Chicago, IL)
2015 - Society for Neuroscience (Chicago, IL)
2016 – International Society for Primatology (Chicago, IL).
2016 - Advances and Perspectives in Auditory Neurophysiology (San Diego, CA)
2016 - Society for Neuroscience (San Diego, CA)
2017 - Annual Interdisciplinary Conference (Jackson Hole, WY)
2017 - Advances and Perspectives in Auditory Neurophysiology (Washington, DC)
2017 - Society for Neuroscience (Washington, DC)
2018 - Advances and Perspectives in Auditory Neurophysiology (San Diego, CA)
2018 - Society for Neuroscience (San Diego, CA)
2018 - Society for Social Neuroscience (San Diego, CA)
2019 - Annual Interdisciplinary Conference (Jackson Hole, WY)
2019 – CoSyne (Lisbon, Portugal)
2019 – Marmoset Bioscience Symposium (Chicago, IL)

Professional Service.

Ad Hoc Reviewer: Journals.

American Journal of Primatology; Animal Behaviour; Animal Cognition; Behaviour; Bioacoustics; Brain, Behavior and Evolution; Cerebral Cortex; Cognition; Current Biology; Ethology; Experimental Brain Research; European Journal of Neuroscience; Journal of Neuroscience Methods; Journal of Neurophysiology; Journal of Neuroscience; Infancy; Interaction Studies: Social Behaviour and Communication in Biological and Artificial Systems; JoVE; Journal of the Acoustical Society of America; Journal of Ethology; Journal of Zoology, Nature Communications; Nature Neuroscience; PLoS One; Primates; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society, B; Scientific Reports

Ad Hoc Reviewer: Grants.
Binational Science Foundation
National Institutes of Health
2018 – CNN study section Ad Hoc Reviewer
2019 – BRAIN UG3 study section Ad Hoc Reviewer
2019 – AUD study section Ad Hoc Reviewer
2019 – DP5 Ad Hoc Reviewer
2020 – AUD study section Ad Hoc Reviewer

Editorial Board.
Developmental Neurobiology – 2017-current.

Invited Panelist.
NIH Office of the Director Workshop. 'Challenges in Assessing Nonhuman Primate (NHP) Needs and Resources for Biomedical Research' [August 2018; Bethesda, MD]

Conferences.
2010 – NeuroCog – Bocas del Toro, Panama
- Organizer (w/Laurie Santos)

2012 - NeuroCog – Nosara, Costa Rica
- Organizer (w/John Serences)

2013-2015 - Advances and Perspectives in Auditory Neuroscience [APAN] SFN Presymposium
- Programming Committee

2014 - NeuroCog – Coffs Coast, Australia
- Organizer (w/John Serences)

2015 – Comparative Neural Circuits– Jackson Hole, WY
- Organizer (w/Jude Mitchell & David Leopold)

2016 - NeuroCog – Nosara, Costa Rica
- Organizer (w/John Serences)

2016 – NSF Workshop: Comparative Principles of Brain Architecture and Function – San Diego, CA
- Organizer (w/ Melina Hale, Partha Mitra, Hideyuki Okano, Shigeo Okabe)

2018 – 1st Biannual Marmoset PI Meeting – Boulder, CO
- Organizer (w/ Kuo-Fen Lee)

2019 – 1st Marmoset Bioscience Symposium (Chicago, IL)
- Organizer (w/Kuo-Fen Lee)

2019 –Simian Collective: Southern California (UC Los Angeles)
- Organizer (w/Michelle Basso)

2020 – Computational Neuroethology Symposium – Grand Tetons NP, WY [Held as Virtual meeting due to Covid]
- Organizer (w/Cris Neill)

2020 – 2nd Biannual Marmoset PI Meeting – Boulder, CO [Held as Virtual meeting due to Covid]
- Organizer (w/ Kuo-Fen Lee)

2020 – 2nd Marmoset Bioscience Symposium (Washington, DC) [Held as Virtual meeting due to Covid]
- Organizer (w/Kuo-Fen Lee & Yogita Chudasama)

2021 – Simian Collective (NYC)
- Organizer (w/Michelle Basso, Sliman Bensmaia, Sabine Kastner)

2021 – Society for Neuroscience Minisymposium (Washington, DC)
Rodents and monkeys: The two dominant mammalian models and their respective contributions to neuroscience
- Organizer (w/Michele Basso)

Publications.

Peer-Reviewed.

1. Jovanovic, V., de la Mothe, L & Miller CT. In Prep. Within-neuron comparison illustrates context-dependence of natural social signal processing in primate prefrontal cortex.
2. Metke, M; Pal Sing, V.; Courellis, H; Cauwenberghs, G. & Miller, C.T. Cross-modal representation of individual identity in primate hippocampus.
3. Jovanovic, V. & Miller CT. In Prep. Mechanisms for communicating in a marmoset 'cocktail party'.
4. Courellis, H; Nummela, SU; Metke, M.; Bussell, R; Diehl, G.; Cauwenberghs, G. & Miller, CT. 2019. Spatial encoding in primate hippocampus during free-navigation. *PLoS Biology,* 17(12), e3000546.
5. Wirthlin, M.; Chang, E.; Knorschild, M.; Krubitzer, L.; Mello, C.; Miller, CT.; Pfenning, A.; Vernes, S.; Tchernichovski, O.; Yartsev, M. 2019. A Modular Approach to Vocal Learning: Disentangling the diversity of a complex behavioral trait. *Neuron,* 104, 87-99.
6. Nummela, SU; Jutris, M; Wixted, J; Buffalo, E & Miller, CT. 2019. Recognition memory in marmoset and macaque monkeys: a comparison of active vision. *Journal of Cognitive Neuroscience,* 31, 1318-1328.
7. Miller CT, Hale, M; Okano, H; Okabe, S; & Mitra, P. 2019. Comparative principles for next-generation neuroscience. *Frontiers in Behavioral Neuroscience,* 13:12
8. Chul, K; Joshi, S; Courellis, H.; Wang, J.; Miller, C.T.; & Cauwenberg, G. 2018. Sub-μV-noise sub-μW/channel ADC-Direct Neural Recording with 200mV/ms Transient Recovery through Predictive Digital Autoranging. *IEEE Journal of Solid-State Circuits,* 53, 3101-3110.
9. Casselli, C; Ayres, PHB; Castro, S; Souto, A; Schiel, N. & Miller CT. 2018. The role of extra-group encounters in a Neotropical cooperative breeding primate, common marmosets: A field playback experiment. *Animal Behaviour,* 136, 137-146
10. Toarmino, C.; Yen, C.; Papoti, D; Bock, N.A.; Leopold, D.; Miller, CT* & Silva, A*. 2017. Functional magnetic resonance imaging of auditory cortical fields in awake marmosets. *Neuroimage,* 162, 86-92. *Equal Contributions
11. Nummela, SU; Jovanovic, V. de la Mothe, L. & Miller, CT. 2017. Social context-dependent activity in marmoset frontal cortex populations during natural conversations. *Journal of Neuroscience,* 37, 7036-7047.
12. Miller, C.T. 2017. Why marmosets? *Developmental Neurobiology,* 77, 237-243
13. Eliades, SJ & Miller, CT. 2017. Marmoset Vocal Communication: Behavior and Neurobiology. *Developmental Neurobiology,* 77, 286-299.
14. Toarmino, C.; Wong, L. & Miller, CT. 2017. Audience affects decision-making in a marmoset communication network. *Biology Letters,* 13, 20160934
15. MacDougall, M; Nummela, SU; Coop, S; Disney, A; Mitchell, J; & Miller, CT. 2016. Optogenetic manipulation of neural circuits in awake marmosets. *Journal of Neurophysiology,* 116, 1286-1294.
16. Miller, CT.; Freiwald, W.; Leopold, D.; Mitchell, J.F.; Silva, A.; Wang, X. 2016. Marmosets: A Neuroscientific Model of Human Social Behavior. *Neuron,* 90, 219-233.
17. Miller, CT; Thomas, AW; Nummela, SU; & de la Mothe, L. 2015. Responses of primate frontal cortex neurons during natural vocal communication. *Journal of Neurophysiology,* 114, 1158-1171.
18. Mitchell, J: Priebe, N & Miller CT. 2015. Motion dependence of smooth eye movements in the marmoset. *Journal of Neurophysiology,* 113, 3954-3960.
19. Belmonte, C; Callaway,E; Caddick, S; Churchland, P; Feng, G; Homanics, G; Lee, K; Leopold, D; Miller, CT; Mitchell, J; Mitalipov, S; Moutri, A; Movschon, A; Okano, H; Reynolds, J; Ringach, D; Sejnowski, T; Silva, A; Strick, P; Wu, J; & Zang, F. 2015. Brains, Genes and Primates. *Neuron,* 86, 617-631.
20. Chow, C.; Mitchell, J. & Miller, CT. 2015. Vocal turn-taking in a nonhuman primate is learned during ontogeny. *Proceedings of the Royal Society, B.* 282, 20150069.
21. Mitchell, J; Reynolds, J & Miller, CT. 2014. Active vision in marmosets: A model for visual neuroscience. *Journal of Neuroscience,* 34,1183-1194.
22. Morrill, R; Thomas, AW; Schiel, N.; Souto, A; Miller, CT. 2013. The effect of habitat acoustics on common marmoset vocal signal transmission. *American Journal of Primatology*, 75, 904-916.
23. Miller, CT & AW Thomas. 2012. Individual recognition during bouts of antiphonal calling in common marmosets. *Journal of Comparative Physiology, A.* 198, 337-346
24. Miller, CT; Bee, MA. 2012. Receiver psychology turns 20: Should we broaden the scope? *Animal Behaviour*, 83, 331-34

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25. Roy, S; Miller, CT; Gottsch, D; Wang, X. 2011. Vocal control by common marmosets in the presence of interfering noise. Journal of Experimental Biology, 214, 3619-3629
26. Miller, CT; DiMauro, A; Pistorio, A; Hendry, S; Wang, X. 2010. Vocalization induced cFos expression in marmoset cortex. Frontiers in Integrative Neuroscience, 4 (128) 1-15
27. Miller, CT; Mandel, K; Wang, X. 2010. The communicative content of the common marmoset phee call during antiphonal calling. American Journal of Primatology 72, 974-980.
28. Miller, CT; Eliades, SJ; Wang, X. 2009. Motor planning for vocal production in common marmosets. Animal Behaviour. 78, 1195-1203.
29. Miller, CT; Beck, K; Meade, B. Wang, X. 2009 Antiphonal call timing in marmosets is behaviorally significant: Interactive playback experiments. Journal of Comparative Physiology, A. 195, 783-789
30. Miller, CT; Wang, X. 2006. Sensory-motor interactions modulate a primate vocal behavior: antiphonal calling in common marmosets. Journal of Comparative Physiology, A., 192, 27-38.
31. Miller, CT; Iguina, C; Hauser, MD. 2005. Processing vocal signals for recognition during antiphonal calling. Animal Behaviour, 69, 1387-1398.
32. Palleroni, A.; Miller, C.T. Hauser, M.D.; Marler, P. 2005. Prey plumage adaptation against falcon attack. Nature, 434, 973 – 974.
33. Miller, CT; Scarl, JS, Hauser, MD. 2004. Sensory biases underlie sex differences in tamarin long call structure. Animal Behaviour, 68, 713-720.
34. Miller, CT; Hauser, MD. 2004. Multiple acoustic cues underlie vocal signal recognition in tamarins: antiphonal calling experiments. Journal of Comparative Physiology, A., 190, 7-19.
35. Santos, LR; Miller, CT; Hauser, M.D. 2003. Representing tools: how two nonhuman primate species distinguishing between functionally relevant and irrelevant features of a tool. Animal Cognition, 6, 269-281.
36. Miller, CT; Flusberg, S, Hauser, MD. 2003. Interruptibility of long call production in tamarins: implications for vocal control. Journal of Experimental Biology, 206, 2629-2639.
37. Miller, CT; Paciulli, LM. 2002. Patterns of lateralized hand use in an arboreal primate (Simias concolor). American Journal of Primatology, 56, 231-236.
38. Miller, CT; Miller, J; Gil de Costa, R; Hauser, MD. 2001. Selective phonotaxis by cotton-top tamarins. Behaviour, 138, 811-826.
39. Miller, CT; Dibble, E; Hauser, MD. 2001. Amodal completion of acoustic signals by a nonhuman primate. Nature Neuroscience, 4, 783-784.
40. Hauser, MD, Miller, CT; Liu, KD; Gupta, R. 2001. Cotton-top tamarins fail to recognize their mirror image: within- & between-species differences. American Journal of Primatology, 53, 131-137.
41. Ghazanfar, AA; Flombaum, J; Miller, CT; Hauser, MD. 2001. The units of perception in cotton-top tamarin (Saguinus oedipus oedipus) vocal communication: Playback experiments with long calls. Journal of Comparative Physiology, A., 187, 27-35.
42. Ramus, F; Hauser, MD; Miller, CT; Morris, D; Mehler, J. 2000. Language discrimination by human newborns and cotton-top tamarin monkeys. Science, 288, 349-351.

Book Chapters.

1. Toarmino, CT; Jovanovic, V; Miller CT. 2017. Decisions to communicate in the primate ecological and social landscapes. IN MA Bee & CT Miller (eds) Psychological Mechanisms of Animal Communication. Springer Verlag. Pgs. 271-284.
2. Miller, CT; Cohen, YE. 2010. Vocalizations as auditory objects: behavior and neurophysiology. IN M. Platt & A.A. Ghazanfar (eds) Primate Neuroethology. Oxford University Press. pp 237-255
3. Egnor, RE; Miller, CT, Hauser, MD. 2006. Primate vocal communication. IN M. Naguib (ed) The Encyclopedia of Language and Linguistics. Elsevier Publishers.
4. Ghazanfar, AA; Miller, CT. 2004. Audition. IN M. Bekoff (ed) Encyclopedia of Animal Behavior. Greenwood Press: Westport, CT. Pgs. 334-343
5. Miller, CT; Weiss, D; Hauser, MD. 2003. Mechanisms of acoustic perception in cotton-top tamarins. IN. A.A. Ghazanfar (ed) Primate Audition: Behavior to Neurobiology. CRC Press: Boca Raton, FL. Pgs. 43-60.
6. Miller, CT; Ghazanfar, AA. 2002. Meaningful acoustic units in nonhuman primate vocal behavior. IN M.Bekoff, C.Allen, G.Burghardt (eds) The Cognitive Animal. MIT Press: Cambridge, MA. Pgs. 265-274.
7. Weiss, DJ; Ghazanfar, AA; Miller, CT; Hauser, MD. 2002. Specialized processing of primate facial and vocal expressions: evidence for cerebral asymmetries. IN L.Rogers; R. Andrew (eds) Comparative vertebrate lateralization. Cambridge University Press: Cambridge, UK.

Commentaries & Book Reviews.

1. Miller, CT & Osmanski, M. 2009. Review of D.K. Oller, U. Griebel (eds) 'Evolution of Communicative Flexibility', MIT Press: Cambridge, MA. Integrative and Comparative Biology, 49, 720-722.
2. Ghazanfar, AA & Miller, CT. 2006. Language evolution: Loquacious monkey brains? Current Biology, 16, R879-R881

Books & Journal Special Issues.

1. Bee, MA. & Miller, CT (eds). 2017. Psychological Mechanisms of Animal Communication. Springer Verlag.
2. Miller, CT (Guest Editor) 2017. Special Issue: Marmosets as a Model Primate for Neuroscience Research. Developmental Neurobiology, 77, 233-389.

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