

Curriculum Vitae
Asif A. Ghazanfar
Neuroscience Institute
Departments of Psychology and Ecology & Evolutionary Biology
Princeton University
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Contact Information

Address: Office 3-S-5
Green Hall
Princeton University
Princeton NJ 08540
USA

Office Phone: (609) 258 9413
Lab Phone: (609) 258 9639
Fax: (609) 258 1113
Email: asifg@princeton.edu
Web: www.princeton.edu/~asifg

Personal

Born April 20, 1972 in Pullman, Washington, U.S.A.
Married to Heather Evelyn Pearson, DVM: one daughter (Ariella Sage, born 3/2/2012)

Education

1994 – 1999 Doctorate, *Neurobiology*, Duke University (Advisor: Miguel Nicolelis)
1990 – 1994 Bachelor of Science, *Philosophy*, University of Idaho.

Positions held

2012 – present Director of Graduate Studies, Department of Psychology
2011 – present Co-director, Undergraduate Neuroscience Certificate Program
2010 – present Associate Professor, Neuroscience Institute, Princeton University
2010 – present Associate Professor, Department of Psychology, Princeton University
2009 – present Associated Faculty, Ecology & Evolutionary Biology, Princeton University
2007 – 2010 Assistant Professor, Neuroscience Institute, Princeton University
2005 – 2010 Assistant Professor, Department of Psychology, Princeton University
2001 – 2005 Research Scientist, AG Logothetis, Max Planck Institute for Biological
Cybernetics, Tuebingen, Germany
2000 Teaching fellow, Department of Psychology, Harvard University
1999 – 2001 Postdoctoral fellow, Department of Psychology, Harvard University

Honors and Awards

2013	Troland Research Award, National Academy of Sciences
2011	Elected member, International Neuropsychological Symposium
2010 – 2016	James S. McDonnell Scholar Award
2010 – 2013	Lawrence S. Brodie preceptorship
2008	Kavli Frontiers of Science Fellow
2006 – 2011	National Science Foundation CAREER Award
2002 – 2005	Max Planck Society Fellowship
2000	Human Frontiers Science Program Fellowship
1999	McDonnell-Pew Summer Institute in Cognitive Neuroscience Fellow
1999 – 2002	National Research Service Award (Postdoctoral), NIH NIDCD
1999 – 2002	Harvard-MIT Speech & Hearing Sciences Fellowship (declined)
1995	Antonio Borsellino College on Neurophysics, Trieste, Italy
1994 – 1996	Duke University Neurobiology Graduate Fellowship
1993	1 st Prize, Biological Sciences section, Idaho Academy of Sciences
1991 – 1994	University of Idaho Dean's Honor List
1990	University of Idaho Presidential Scholarship
1989	National Science Foundation Young Scholars Program Fellow

Grant Support

Current

- 2012 – 2015 250th Anniversary Fund for Teaching Innovation
“*The Life Cycles of Behavior*” lecture and lab course development
- 2010 – 2016 James S. McDonnell Scholar Award, Principal Investigator
“*Vocal communication emerges and evolves through coupled oscillations*”

Completed

- 2007 – 2012 NIH R01NS054898, Principal Investigator
“*Multisensory integration of faces and voices in the primate temporal lobe*”
- 2006 – 2011 NSF BCS-0547760 CAREER Award, Principal Investigator
“*The neuro-cognitive evolution of speech-reading*”
- 2006 – 2008 Autism Speaks Research Grant, Principal Investigator
“*Large-scale network operations in the primate brain underlying the sensorimotor integration of social signals*”

Professional Associations

Society for Neuroscience
International Society for Neuroethology
International Society for Developmental Psychobiology
Society for Social Neuroscience

Service

External

Editorial:

- 2012 – present: Editorial Board, *Developmental Psychobiology*
- 2010 – present: Editorial Board, *Current Biology*
- 2010 – present: Associate Editor, *The Journal of Neuroscience*
- 2007 – 2010: Associate Editor, *Frontiers in Integrative Neuroscience*

Committees:

- 2012 Organizing committee, 10th International Congress of Neuroethology
- 2011 Nominating committee, International Society for Neuroethology
- 2011 NSF Cognitive Neuroscience Review panel
- 2011 NIH Special Emphasis Panel, NIDCD, Hearing and Balance
- 2010 NSF Cognitive Neuroscience Review panel
- 2009 NIH Special Emphasis Panel, Methodology and Measurement for the Behavioral and Social Sciences
- 2008 NIH Special Emphasis Panel, Integrative, Functional and Cognitive Neuroscience
- 2008 NIH Special Emphasis Panel, Integrative, Functional and Cognitive Neuroscience
- 2007 Organizing committee, 8th International Congress of Neuroethology
- 2006 NSF Cognitive Neuroscience Review panel

Outreach

- 2011 Presenter, Littlebrook Elementary School Science Expo, Princeton, New Jersey
- 2009 Presentation Judge and Recruiter, *Annual Biomedical Research Conference for Minority Students*, Phoenix, Arizona
- 2007 Mentor, Harlem Children Society
- 2006 Mentor, New Jersey Center for Life Science

Internal

Committees:

- 2012 – 2013 University Curriculum Committee
- 2011 – 2012 Search committee, Junior faculty position for Neuroscience Institute
- 2011 – 2012 Search committee, Behavioral Science Librarian position
- 2011 – present Neuroscience Institute Curriculum Committee
- 2009, 2010, 2011 Neuroscience Institute Graduate Admissions Committee
- 2007-2008 Neuroscience Institute Design Committee – Vivarium

University and Departmental Service

- 2012-present Fellow, Butler College
- 2006, 2008, 2010 Freshman Advisor, Mathey College
- 2006-2012 Fellow, Mathey College
- 2006 Mentor, Freshman Scholars Institute
- 2006 Mentor, Mellon Fellows program

Teaching

Princeton University

2012-2012 PSY543 Research Seminar in Cognitive Psychology (co-organizer)
 S2011, S2012 EEB506 Responsible Conduct in Research (1 class)
 F2010, F2011 NEU258 Fundamentals of Neuroscience
 S2010, S2011 NEU502 From Molecules to Systems to Behavior: “Higher Brain Function”
 (2010: 1 lecture; 2011: 3 lectures)
 F2009, F2010, F2011 NEU501 From Molecules to Systems to Behavior: “Low-level Coding” (2
 lectures)
 F2008 FRS133 How the body shapes the way the brain works
 2006-2010 PSY511 Current Issues in Neuroscience & Behavior (co-organizer)
 S2007, S2008 PSY502 Proseminar in Neuroscience & Neuropsychology
 S2006, F2006, S2009, NEU/PSY336 The Diversity of Brains
 S2011, F2012

Harvard University

2000 Science B25 Behavioral Neuroscience (Teaching Fellow)
 2000 Science B29 Human Behavioral Biology (Teaching Fellow)

Duke University

1997 Principles of Neurobiology (Teaching Fellow)

Mentoring

Post-doctoral fellows

Daniel Y. Takahashi 2010 → present
 - 2013 – 2014 Science without Borders Fellow (Brazil)
 - 2010 – 2012 Pew Latin American Fellow
 Stephen V. Shepherd 2008 → 2012
 - Currently a postdoctoral fellow at Rockefeller University
 Luis Lemus 2009 → 2011
 - Currently an assistant professor at the Instituto de Fisiología Celular-
 Neurociencias, Universidad Nacional Autónoma de México

Graduate (doctoral) students

Jeremy I. Borjon (Psychology) 2012 →
 - National Science Foundation Graduate Fellowship
 Adrian Bartlett (Psychology) 2011 →
 - 2011 Canadian Princeton Alumni Fund Fellowship
 Ipek G. Kulahci (EEB, co-advised with Dan Rubinstein) 2009 →
 - 2010 American Society of Primatologists Small Research Grant
 - 2012 American Society of Mammalogists Grant
 - 2012 Founders Memorial Poster Paper Award, Animal Behavior Society
 Darshana Narayanan (Psychology) 2009 →
 - 2011 NIH(NICHHD)/Sackler Institute Travel Award
 Chandramouli Chandrasekaran (Psychology) 2006 → 2011
 - 2010-2011 Charlotte Elizabeth Procter Honoric Fellowship
 - 2010-2011 Hoffman Scholar
 - Currently a post-doctoral fellow, Stanford University
 Hjalmar K. Turesson (Psychology) 2006 → 2011

- Currently a post-doctoral fellow, Rutgers University
- Joost X. Maier (MPI Biological Cybernetics, Germany) 2003 → 2006
- 2005 Graduate Student Award, International Multisensory Research Forum, Trento, Italy
 - PhD dissertation awarded *magna cum laude*
 - Currently a post-doc at Brandeis University

Visiting graduate students

Marco Lanzilotto (University of Modena & Reggio Emilia, Italy) 2011 → 2012

Undergraduate students (Princeton)

- Christopher Luminais (EEB/NEU) Spring 2012 – present
- Sabina Hlavaty (EEB/NEU) Spring 2012 – present
- Jenny Wu (EEB) Summer 2011 – present
- Maia ten Brink (PSY) Summer 2011 – present
- Jung Yoon (Clare) Choi (PSY) Fall 2010 – present
- Neil Mathur (EEB/NEU) Summer 2009 – Spring 2011
- “X-ray cineradiography of rhythmic facial gestures in macaque monkeys”
- Jeremy I. Borjon (PSY/NEU) Summer 2009 – Spring 2010
- “Observed eye influences elementary auditory perception”
 - 3rd Prize, Undergrad Research Symp.
 - Senior Class Day speaker (Psychology)
 - Edward E. Jones Memorial Senior Thesis Prize
- PJ Henley (EEB) Spring 2009 – Spring 2010
- “Gaze following in monkeys”
- Ryan J. Morrill (EEB/NEU) Spring 2009 – Spring 2010
- “Oscillatory dynamics of monkey facial expressions”
- Andrea Trubanova (PSY) Summer 2008 – Spring 2010
- “Dynamic faces and voices are coupled oscillations”
- Daniel Watford (MOL/NEU) Spring 2008 – Spring 2009
- “Heterochrony and outer ear development in the primate lineage”
- Carter Cleveland (CS) Fall 2007
- “Replicating multisensory orienting behaviors in a robot”
- Geoffrey Nelson (EEB/NEU) Spring 2007 – Spring 2008
- “Covert facial activity and vocal perception in primates”
- Aitalohi Amaize (PSY/NEU) Fall 2005 – Spring 2007
- “Do monkeys prefer consonance over dissonance?”
 - 3rd Prize, Undergrad Research Symp. (Biological sciences)
- Adam Litterman (MOL/NEU) Fall 2005 – Spring 2007
- “Statistical learning of social signals”

Post-graduation

- Georgetown graduate program
- Graduate student, Princeton University
- Intern, Pulmonology & Sleep Center, Knoxville, TN
- Research assistant, Kunming Institute of Zoology, Chinese Academy of Sciences, Yunnan, China
- Cohen Fellow, Marcus Autism Center, Emory University
- Medical student, UNC-Chapel
- Research assistant, Cambridge, UK
- Graduate student, Johns Hopkins University, Bloomberg School of Public Health
- University of Minnesota, PhD

Ambrose Carr (FSI)	Spring – Summer 2006	
M. Bethani Massey (FSI)	Spring 2006	
Undergraduate students (elsewhere)		Post-graduation
Aristides Arrenberg (Hamburg)	Spring, 2004	Postdoc, University of Freiburg
Jonathan Leong (Harvard)	Summer, 2003	Stanford, MD/PhD
Alex Pollen (Harvard)	Fall, 2001	Stanford, PhD
Duncan Smith-Rohrberg (Harvard)	Fall & Spring 2000	Yale, MD/PhD program
Jonathan I. Flombaum (Harvard)	Fall, 2000	Faculty, Johns Hopkins

Invited Talks

- 2001 - Vocal Communication Symposium, XXVII International Ethological Conference, *Germany*
- 2002 - Department of Psychology, Princeton University
- 2002 - Center for Neuroscience, University of California, Davis
- 2002 - Center for Systems Neuroscience, Harvard University
- 2002 - ESF Workshop on ‘Neurobiology of Communication’, Cambridge, *United Kingdom*
- 2003 - Department of Biological Anthropology & Anatomy, Duke University
- 2003 - Advances in Primate Auditory Neurophysiology Symposium, New Orleans
- 2003 - “Origins of Language” Symposium, Primate Research Institute, Kyoto, *Japan*
- 2003 - Center for Neuroengineering, Duke University
- 2003 - Department of Psychology, University of St. Andrews, Fife, *Scotland*
- 2003 - Max Planck Institute for Neurobiology, Munich, *Germany*
- 2003 - Ftan Summer Academy (Cognitive Neuroscience), *Switzerland* (4 Lectures)
- 2004 - Plenary Lecture, Lemanic Neuroscience Program, Les Diablerets, *Switzerland*
- 2004 - Department of Biological Sciences, University of Idaho
- 2004 - Symposium, 5th International Multisensory Research Forum, Barcelona, *Spain*
- 2004 - Department of Psychology, Princeton University
- 2004 - Department of Psychology, Harvard University
- 2004 - Department of Psychology/Yerkes Primate Center, Emory University
- 2004 - Department of Psychology, Vanderbilt University
- 2005 - Department of Psychology, Yale University
- 2005 - ICON9 –“Social Cognition through Faces & Voices” symposium, Havana, *Cuba*
- 2005 - Gordon Research Conference - “Neural Circuits & Plasticity”, Newport, RI
- 2005 - Processing of Multimodal Signals Workshop, Vannes, Brittany, *France*
- 2005 - Mini-symposium, “Primate Neuroethology”, Society for Neuroscience, Washington, D.C.
- 2005 - Keynote Lecture, Systems Neuroscience Congress, Hanover, *Germany*
- 2005 - Department of Biomedical Engineering, Johns Hopkins University
- 2006 - Department of Psychology, Queen’s University, *Canada*
- 2006 - Symposium, 7th International Multisensory Research Forum, *Ireland*.
- 2006 - Symposium, Keio University, Tokyo, *Japan*
- 2006 - Social Neuroscience Seminar Series, New York University
- 2007 - Mathey Faculty Fellow Lunch, Princeton University
- 2007 - OIST Workshop on Cognitive Neurobiology, Okinawa, *Japan*
- 2007 - IBRO African Neuroscience Workshop, Entebbe, *Uganda*
- 2007 - Center for Studies in Physics and Biology, Rockefeller University
- 2007 - Center for Neurobiology & Behavior, Columbia University

2007 - Plenary Lecture, Audiovisual Speech Processing 2007, *The Netherlands*
 2007 - Institute of Neurological Sciences, University of Pennsylvania
 2007 - Current Work in Behavioral Neuroscience, Department of Psychology, Yale University
 2007 - IBRO Cognitive Neuroscience Workshop, Havana, *Cuba* (4 lectures)
 2008 - Department of Psychology, Brandeis University
 2008 - Cosyne Workshop on “Dynamic faces”, Snowbird, Utah
 2008 - Departement d'Etudes Cognitives, Ecole Normale Supérieure de Paris, *France*
 2008 - Distinguished Lecture, Centre for Affective Science, University of Geneva, *Switzerland*
 2008 - Wellcome Trust Center for Neuroimaging, University College London, *United Kingdom*
 2008 - Department of Experimental Psychology, University of Oxford, *United Kingdom*
 2008 - Edmond & Lily Safra Institute of Neuroscience (4 lectures), Natal, *Brazil*
 2008 - Sloan-Swartz Computational Neuroscience meeting, Princeton University
 2008 - Neuroscience of Social Decision Making series, Princeton University
 2008 - Iowa Center for Developmental and Learning Sciences, University of Iowa
 2008 - Department of Biology, Bowdoin College (50)
 2008 - Keynote Lecture, “Face-to-Face Communication” workshop, Grenoble, *France*
 2008 - Advances & Perspectives in Auditory Neurophysiology (APAN) workshop, Washington DC
 2008 - Department of Ecology & Evolutionary Biology, Princeton University
 2009 - IBRO Cognitive Neuroscience Workshop (2 lectures), New Delhi, *India*
 2009 - John B. Pierce Laboratory, Yale University
 2009 - Department of Neurobiology, Duke University
 2009 - Evolution of Language symposium, Cognitive Neuroscience Society, San Francisco
 2009 - Emergent Communication workshop, Princeton University
 2009 - Symposium, Experimental Biology Annual Meeting, New Orleans
 2009 - Summer Institute for Cognitive Neuroscience, Sage Center, UC Santa Barbara
 2009 - Symposium, “An embodied view of multisensory speech”, 10th International Multisensory Research Forum, New York.
 2009 - Symposium, “The development of multisensory perception”, 10th International Multisensory Research Forum, New York.
 2009 - Eunice Kennedy Shriver National Institute for Child Health & Human Development, NIH
 2009 - “Complexity & Neuroscience” workshop, Sage Center, UC Santa Barbara
 2009 - Distinguished Speaker, Brain & Mind workshop, Sapporo City, *Japan*
 2009 - Symposium, Brazilian Neuroscience Meeting, Sao Paulo, *Brazil*
 2009 - Department of Biology, Gettysburg College
 2009 - Cognitive Science Program, Villanova University
 2009 - Neurosciences Institute, University of Texas, San Antonio
 2010 - NeuroCog Collective, Bocas del Toro, *Panama*
 2010 - Seminar on Language & Cognition, Columbia University
 2010 - Biopsychology/Evolutionary Biology seminar series, University of Chicago
 2010 - Neuroscience Institute, Georgia State University
 2010 - Department of Physiology, University of Arizona
 2010 - Santa Fe Institute
 2010 - Cognitive Science Program, Indiana University-Bloomington
 2010 - School of Informatics, Indiana University-Indianapolis
 2010 - California Institute of Technology
 2010 - Salk Institute
 2010 - Department of Physiology, Georgetown University
 2010 - Center for Vision Research, York University, *Canada*

2010 - International Neuropsychological Symposium, Ischia, *Italy*

2010 - Keynote lecture, International Max Planck Research School on Neuroscience of Communication, Leipzig, *Germany*

2010 - Symposium, International Congress of Neuroethology, Salamanca, *Spain*

2011 - Current Work in Developmental Psychology, Department of Psychology, Yale University

2011 - Progress in Neuroscience Seminar Series, Cornell-Weill Medical College

2011 - Center for Complex Systems & Brain Sciences, Florida Atlantic University

2011 - Face-to-Face, Brain-to-Brain Workshop, Princeton University

2011 - Institute for Neuroscience, George Washington University

2011 - Bodian Lecture, Zanvyl Krieger Mind/Brain Institute, Johns Hopkins University

2011 - Keynote lecture, 3rd International Summer School in Affective Sciences, Geneva, *Switzerland*

2011 - “Integrating across time-scales” workshop, Cognitive Development Society

2011 - Inaugural Speaker, Neuroscience Lecture Series, Florida International University

2011 - Grand Rounds, Marcus Autism Center, Emory University School of Medicine

2012 - Perspectives in Neuroscience series, Center for Neuroscience, UC Davis

2012 - Invited workshop, “*Play, Attention, and Learning: How Does Play and Timing Shape the Development of Attention and Facilitate Classroom Learning?*” New York Academy of Sciences

2012 - Workshop, “Computational Neuroethology”, CNS Meeting, Decatur, Georgia

2012 - Symposium, 4th International Conference on Auditory Cortex, Lausanne, *Switzerland*

2012 - “Brain & Mind” program, Finnish Graduate School of Neuroscience, Helsinki, *Finland*

2012 - Brain Research Unit, Aalto University, Espoo, *Finland*

2012 - Cognition, Brain & Behavior seminar, Harvard University (100)

2012 - Department of Psychology, Columbia University

2012 - Dynamical Neuroscience XX: Collective Cognition, New Orleans, Louisiana

2013 - UnionDocs Center for Documentary Arts, “The Uncanny Valley”, Brooklyn (Jan 12)

2013 - National Institute of Mental Health, Bethesda (Feb 15)

2013 - Presidential Symposium, Association for Research in Otolaryngology, Baltimore (Feb 16)

2013 - Center for Cognitive Neuroscience, Duke University (Apr 16)

2013 - J.S. McDonnell Foundation’s Understanding Human Cognition Meeting, Cambridge, *United Kingdom* (Jun 3-5)

2013 - 17th International Conference on Cognitive & Neural Systems, Boston (Jun 4 -7)

2013 - Summer Institute in Cognitive Neuroscience, Lake Tahoe (Jul 6-7)

2013 - Gordon Research Conference in Neuroethology, West Dover, Vermont (Aug 18-23)

2013 - Keynote lecture, “Language Sciences in the 21st Century”, University of Cambridge, *United Kingdom* (Oct 3-4)

Publications

Books

1. **Ghazanfar AA**, Editor (2002) *Primate Audition: Ethology and Neurobiology*. CRC Press, Boca Raton, FL.
2. Platt ML & **Ghazanfar AA**, Editors (2010) *Primate Neuroethology*. Oxford University Press, Oxford, UK.

Research reports

1. **Ghazanfar AA** and Nicolelis MAL (1997) Non-linear processing of tactile information by thalamocortical ensembles. *Journal of Neurophysiology*, 78: 506-510.
2. Nicolelis MAL, **Ghazanfar AA**, Faggin B, Votaw S and Oliveria LMO (1997) Reconstructing the engram: simultaneous, multi-site, many single neuron recordings. *Neuron*, 18: 529-537.
3. Grober MS, Winterstein G, **Ghazanfar AA** and Eroschenko V (1998) The effects of estradiol on gonadotropin-releasing hormone neurons in the developing mouse brain. *General & Comparative Endocrinology*, 112:356-363.
4. Nicolelis MAL, **Ghazanfar AA**, Stambaugh, CR, Oliveira LMO, Laubach, M, Chapin JK, Nelson RJ and Kaas JH (1998) Simultaneous encoding of tactile information by three primate cortical areas. *Nature Neuroscience*, 1:621-630.
5. Krupa, DJ, **Ghazanfar AA** and Nicolelis MAL (1999) Immediate thalamic sensory plasticity depends on cortical feedback. *Proceedings of the National Academy of Sciences, USA*, 96: 8200-8205.
 - [commentary by JH Kaas, “Is most of neural plasticity in the thalamus cortical?” *PNAS* 96: 7622-7623].
6. **Ghazanfar AA** and Nicolelis MAL (1999) Spatiotemporal properties of layer V neurons in the rat primary somatosensory cortex. *Cerebral Cortex*, 9: 348-361.
7. **Ghazanfar AA**, Stambaugh CR and Nicolelis MAL (2000) Encoding of tactile stimulus location by somatosensory thalamocortical ensembles. *Journal of Neuroscience*, 20: 3761-3775.
8. **Ghazanfar AA**, Flombaum JI, Miller CT and Hauser MD (2001) Units of perception in the antiphonal calling behavior of cotton-top tamarin (*Saguinus oedipus*): playback experiments with long calls. *Journal of Comparative Physiology A*, 187: 27-35.
9. **Ghazanfar AA**, Krupa DJ and Nicolelis MAL (2001) Role of corticothalamic feedback in processing simple and complex tactile stimuli. *Experimental Brain Research*, 141: 88-100.
10. **Ghazanfar AA**, Smith-Rohrberg D and Hauser MD (2001) The role of temporal cues in conspecific vocal recognition: rhesus monkey orienting asymmetries to reversed calls. *Brain, Behavior, and Evolution*, 58: 163-172.
11. **Ghazanfar AA**, Smith-Rohrberg D, Pollen AA and Hauser MD (2002) Temporal cues in the perception of long calls by cotton-top tamarins. *Animal Behaviour*, 64: 427-438.
12. **Ghazanfar AA**, Neuhoff JG and Logothetis NK (2002) Auditory looming perception in rhesus monkeys. *Proceedings of the National Academy of Sciences, USA*, 99: 15755-15757.
 - [Commentary by DA Hall and DR Moore, “Auditory neuroscience: the salience of looming sounds” in *Current Biology* 13: R91-R93].

13. **Ghazanfar AA** and Logothetis NK (2003) Facial expressions linked to monkey calls. *Nature*, 423: 937-938.
14. Maier JX, Neuhoff JG, Logothetis NK and **Ghazanfar AA** (2004) Multisensory integration of looming signals by rhesus monkeys. *Neuron*, 43: 177-181.
15. Jordan KE, Brannon EM, Logothetis NK and **Ghazanfar AA** (2005) Monkeys match the number voices they hear to the number of faces they see. *Current Biology*, 15: 1034-1038.
 - [Commentary by LR Santos, “Primate cognition: putting two and two together”, *Current Biology* 15: 545-547]
16. **Ghazanfar AA**, Maier JX, Hoffman KL and Logothetis NK (2005) Multisensory integration of dynamic faces and voices in primate auditory cortex. *Journal of Neuroscience*, 25: 5004-5012.
17. **Ghazanfar AA**, Nielsen K and Logothetis NK (2006) Eye movements of monkeys viewing vocalizing conspecifics. *Cognition*, 101: 515-529.
18. Lewkowicz DJ and **Ghazanfar AA**. (2006) The decline of cross-species intersensory perception in human infants. *Proceedings of the National Academy of Sciences, USA*, 103: 6771-6774.
19. **Ghazanfar AA**, Tureson HK, Maier JX, van Dinther R, Patterson RD and Logothetis NK (2007) Vocal tract resonances as indexical cues in a non-human primate. *Current Biology*, 17: 425-430.
 - [Commentary by KG Munhall and SK Byrne, “Animal communication: big talkers and small talk”, *Current Biology*, 17: R247-R249]
20. Maier JX and **Ghazanfar AA** (2007) Looming biases in monkey auditory cortex. *Journal of Neuroscience*, 27: 4093-4100.
21. Hoffman KL, **Ghazanfar AA**, Gauthier I and Logothetis NK (2008) Category-specific responses to faces and objects in primate auditory cortex. *Frontiers in Systems Neuroscience*, 1:2. doi:10.3389/neuro.06/002.2007.
22. **Ghazanfar AA**, Chandrasekaran C and Logothetis NK (2008) Interactions between the superior temporal sulcus and auditory cortex mediate dynamic face/voice integration in rhesus monkeys. *Journal of Neuroscience*, 28: 4457-4469.
23. Vatakis A, **Ghazanfar AA** and Spence C (2008) Facilitation of multisensory integration by the ‘unity effect’ reveals that speech is special. *Journal of Vision*, 8: 1-11. doi:10.1167/8.9.14
24. Maier JX, Chandrasekaran C and **Ghazanfar AA** (2008) Integrating bimodal looming signals through neuronal coherence in the temporal lobe. *Current Biology*, 18: 963-968.
 - [Commentary by M Bauer, “Multisensory integration: A functional role for inter-area synchronization?” *Current Biology*, 18: 709-710]

25. Chandrasekaran C and **Ghazanfar AA** (2009) Different neural frequency bands integrate faces and voices differently in the rhesus monkey superior temporal sulcus. *Journal of Neurophysiology*, 101: 773-788.
26. Zangenehpour S, **Ghazanfar AA**, Lewkowicz DJ and Zatorre RJ (2009) Heterochrony and cross-species intersensory matching by infant vervet monkeys. *PLoS ONE*, 4: e4302.
27. Chandrasekaran C, Trubanova A, Stillitano S, Caplier A and **Ghazanfar AA** (2009) The natural statistics of audiovisual speech. *PLoS Computational Biology*, 5: e1000436.
28. **Ghazanfar AA** and Maier JX (2009) Monkeys hear rising frequency sounds as looming. *Behavioral Neuroscience*, 123: 822-827.
29. Steckenfinger SA and **Ghazanfar AA** (2009) Monkey visual behavior falls into the uncanny valley. *Proceedings of the National Academy of Sciences, USA*, 106: 18362-18366.
30. Shepherd SV, Steckenfinger SA, Hasson U and **Ghazanfar AA** (2010) Human-monkey gaze correlations reveal convergent and divergent patterns of movie-viewing. *Current Biology*, 20: 649-656.
31. **Ghazanfar AA**, Chandrasekaran C and Morrill RJ (2010) Dynamic, rhythmic facial expressions and the superior temporal sulcus of macaque monkeys: implications for the evolution of audiovisual speech. *European Journal of Neuroscience*, 31: 1807-1817.
32. Chandrasekaran C, Turesson HK, Brown CH and **Ghazanfar AA** (2010) The influence of natural scene dynamics on auditory cortical activity. *Journal of Neuroscience*, 30: 13919-13931.
33. Borjon JI*, Shepherd SV*, Todorov A and **Ghazanfar AA** (2011) Eye gaze and arrow cues influence elementary sound perception. *Proceedings of the Royal Society B*, 278: 1997-2004.
*joint first authorship
34. Turesson HK and **Ghazanfar AA** (2011) Statistical learning of social signals and its implications for the social brain hypothesis. *Interaction Studies*, 12: 397-417.
doi:10.1075/is.12.3.02tur
35. Chandrasekaran C, Lemus L, Trubanova A, Gondan M and **Ghazanfar AA** (2011) Monkeys and humans share a common computation for face/voice integration. *PLoS Computational Biology*, 7: e1002165.
36. Lewkowicz DJ and **Ghazanfar AA** (2012) The development of the uncanny valley in infants. *Developmental Psychobiology*, 54: 124-132. doi:10.1002/dev.20583
37. Morrill RJ, Paukner A, Ferrari PF and **Ghazanfar AA** (2012) Monkey lipsmacking develops like the human speech rhythm. *Developmental Science*, 15: 557-568.
38. **Ghazanfar AA**, Takahashi DY, Mathur NA and Fitch WT (2012) Cineradiography of monkey lipsmacking reveals putative origins of speech dynamics. *Current Biology*, 22: 1176-1182.

39. Shepherd SV, Lanzilotto M and **Ghazanfar AA** (2012) Facial muscle synergies during rhythmical facial expressions versus ingestive movements. *Journal of Neuroscience*, 32: 6105-6116.
40. Grossmann T, Missana M, Friederici AD and **Ghazanfar AA** (2012) Neural correlates of perceptual narrowing in cross-species face-voice matching. *Developmental Science*, 15: 830-839.
41. **Ghazanfar AA**, Morrill RJ and Kayser C (2012) Monkeys are perceptually tuned to facial expressions that exhibit a “theta”-like rhythm. *Proceedings of the National Academy of Sciences, USA, In press.*
42. Chandrasekaran C, Lemus L and **Ghazanfar AA** (2012) Dynamic faces speed up spiking output in auditory cortex. *Submitted.*
43. Chandrasekaran C, Gondon M and **Ghazanfar AA** (2012) A deadline model for multisensory decision making. *In preparation.*

Reviews

1. Nicolelis MAL, Fanselow EE and **Ghazanfar AA** (1997) Hebb’s dream: the resurgence of cell assemblies. *Neuron*, 19: 219-221.
2. **Ghazanfar AA** and Hauser MD (1999) The neuroethology of primate vocal communication: substrates for the evolution of speech. *Trends in Cognitive Science*, 3: 377-384.
3. **Ghazanfar AA** and Nicolelis MAL (2001) The structure and function of dynamic cortical and thalamic receptive fields. *Cerebral Cortex*, 11: 183-193.
4. **Ghazanfar AA** and Hauser MD (2001) The auditory behaviour of primates: a neuroethological perspective. *Current Opinion in Neurobiology*, 11: 712-720.
5. **Ghazanfar AA** and Santos LR (2004) Primate brains in the wild: the sensory bases for social interactions. *Nature Reviews Neuroscience*, 5: 603-616.
6. **Ghazanfar AA** and Schroeder CE (2006) Is the neocortex essentially multisensory? *Trends in Cognitive Science*, 10: 278-285.
7. **Ghazanfar AA** and Rendall D (2008) The evolution of human vocal production. *Current Biology*, 18: R457-R460.
8. **Ghazanfar AA** (2009) The multisensory roles for auditory cortex in primate vocal communication. *Hearing Research*, 258: 113-120.
9. Lewkowicz DJ and **Ghazanfar AA** (2009) The emergence of multisensory systems through perceptual narrowing. *Trends in Cognitive Science*, 13: 470-478.

10. Teufel C, **Ghazanfar AA** and Fischer J (2010) On the relationship between lateralized brain function and orienting asymmetries. *Behavioral Neuroscience*, 124: 437-445.
11. **Ghazanfar AA** and Shepherd SV (2011) Monkeys at the movies: What evolutionary cinematics tells us about film. *Projections: The Journal for Movies and Mind*, 5: 1-25.
dx.doi.org/10.3167/proj.2011.050202
12. Hasson U, **Ghazanfar AA**, Galantucci B, Garrod S and Keysers C (2012) Brain-to-brain coupling as a mechanism for shared communication and cognition. *Trends in Cognitive Science*, 16: 114-121.
13. **Ghazanfar AA** (2012) Multisensory vocal communication in primates and the evolution of rhythmic speech. *Behavioral Ecology & Sociobiology*, In press.
14. Saygin AP and **Ghazanfar AA** (2012) Between life and death: the cognitive neuroscience of the uncanny valley. *Proceedings of the Royal Society B*, In preparation.

Book Chapters and Proceedings

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