Curriculum Vitae

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Contact Information

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Personal

Born April 20, 1972 in Pullman, Washington, U.S.A.
Married to Heather Evelyn Pearson, DVM: two daughters (Ariella Sage, born 3/2/2012; Nora June, born 5/15/2014)

Education

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

Positions held

2014 – present	Professor, Princeton Neuroscience Institute & Department of Psychology
2014 – present	Director of Undergraduate Studies, Neuroscience
2012 – 2014	Co-Director, Undergraduate Neuroscience Program
2011 – 2013	Director of Graduate Studies, Department of Psychology
2010 – 2014	Associate Professor, Neuroscience Institute, Princeton University
2010 – 2014	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	1st 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

Editorial Positions

2014 – present: Consulting Editor, *Behavioral Neuroscience*
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*

Guest Editor: *PNAS*, *PLoS Biology*

Grant Support

Current

- 2013 – 2018 NIH 2R01NS054898, Principal Investigator
  "Multisensory integration of faces and voices in the primate temporal lobe"
- 2012 – 2015 250th Anniversary Fund for Teaching Innovation
  "The Life Cycle of Behaviors" 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

Service

External

Committees:

2015 Scientific committee, 1st Joint Conference on Facial Analysis, Animation and Audiovisual Speech Processing, Vienna Austria
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:

2015 – present Animal Research Advisory Group
2013 – present Member (alternate), Institutional Animal Care & Use Committee
2013 – 2014 Chair, Search committee, Faculty position in Psychology (Developmental)
2013 – 2014 Search committee, Faculty position in Ecology & Evolutionary Biology (Animal behavior)
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
2007 – present, Executive committee, Neuroscience Institute

University and Departmental Service
2014 Lecturer, "Teachers as Scholars" program
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

S2013, S2014	PSY/NEU260 The Life Cycles of Behavior
S2013	PSY543 Research Seminar in Cognitive Psychology
S2011, S2012	EEB506 Responsible Conduct in Research (1 class)
F2010, F2011	NEU258 Fundamentals of Neuroscience
S2010, S2011	NEU502 From Molecules to Systems to Behavior (2 lectures)
F2009, F2010, F2011	NEU501 From Molecules to Systems to Behavior (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, S2011, F2012, F2014	NEU/PSY336 The Diversity of Brains

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

Yisi Zhang — 2014 → present
Daniel Y. Takahashi — 2010 → present
- 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

Diana Liao (Neuroscience) — 2013 →
- National Science Foundation Graduate Fellowship

Jeremy I. Borjon (Psychology) — 2012 →

- National Science Foundation Graduate Fellowship

Ipek G. Kulahci (EEB, co-advised with Dan Rubinstein) 2009 →2014
- 2010 American Society of Primatologists Small Research Grant
- 2012 American Society of Mammalogists Grant
- 2012 Founders Memorial Poster Paper Award, Animal Behavior Society
- 2013 Animal Behavior Society Grant
- Currently a postdoctoral fellow at University College Cork, Ireland

Darshana Narayanan (Psychology) 2009 → 2015
- 2011 NIH(NICHD)/Sackler Institute Travel Award

Chandramouli Chandrasekaran (Psychology) 2006 → 2011
- 2010-2011 Charlotte Elizabeth Procter Honorific Fellowship
- 2010-2011 Hoffman Scholar
- Currently a post-doctoral fellow, Stanford University

Hjalmar K. Turesson (Psychology) 2006 → 2011
- Currently a postdoctoral fellow, Brain Institute - Federal University of Rio Grande do Norte, Brazil

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 an Assistant Professor at Wake Forest University

Visiting graduate students

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

Undergraduate students (Princeton)		**Post-graduation**
Rebecca Terrett (EEB/NEU) - Newman/Biousse Award in Neuroscience	Fall 2014 – present	
Peppar Cyr (PSY/NEU) - Newman/Biousse Award in Neuroscience	Spring 2013 – Summer 2014	Graduate student, Oxford University
Yayoi Teramoto (IND/NEU/QCN) - Brinster Prize for Outstanding Senior thesis in Neuroscience		
Alicia R. Fenley (PSY/NEU) - George Miller Prize for Outstanding Senior thesis in Cognitive Science	Spring 2012 – Spring 2014	
Randi Brown (EEB/NEU)	Spring 2013 – Spring 2014	Graduate student, Oxford University
Christopher Luminais (EEB/NEU)	Spring 2012 – Spring 2013	Medical student, Jefferson Medical College
Sabina Hlavaty (EEB/NEU)	Spring 2012 – Spring 2013	Pre-veterinary studies, Drexel University
Jenny Wu (EEB)	Summer 2011 – Spring 2013	
Maia ten Brink (PSY) - Howard Warren Crosby, Jr. Senior Thesis Prize - Gregory T. Pope Science Writing Prize,	Summer 2011 – Spring 2013	Free-lance writer

Honorable Mention		
Jung Yoon (Clare) Choi (PSY)	Fall 2010 – Spring 2013	Graduate student, Princeton University
Neil Mathur (EEB/NEU)	Summer 2009 – Spring 2011	Medical student, Albany Medical College
Jeremy I. Borjon (PSY/NEU) - Edward E. Jones Memorial Senior Thesis Prize - 3rd Prize, Undergrad Research Symp. - Senior Class Day speaker (Psychology)	Summer 2009 – Spring 2010	Graduate student, Princeton University
PJ Henley (EEB)	Spring 2009 – Spring 2010	Intern, Pulmonology & Sleep Center, Knoxville, TN
Ryan J. Morrill (EEB/NEU)	Spring 2009 – Spring 2010	Graduate student, UCSF
Andrea Trubanova (PSY)	Summer 2008 – Spring 2010	Graduate student, Virginia Tech
Daniel Watford (MOL/NEU)	Spring 2008 – Spring 2009	Medical student, UNC-Chapel
Carter Cleveland (CS)	Fall 2007	Founder of Art.sy
Geoffrey Nelson (EEB/NEU)	Spring 2007 – Spring 2008	Graduate student, MRC Laboratory of Molecular Biology, Cambridge, UK
Aitalohi Amaize (PSY/NEU) - 3rd Prize, Undergrad Research Symp. (Biological sciences)	Fall 2005 – Spring 2007	Registered Nurse, The George Washington University Hospital
Adam Litterman (MOL/NEU) -	Fall 2005 – Spring 2007	Postdoc, UCSF
Ambrose Carr (FSI)	Spring – Summer 2006	Graduate student, Columbia University
M. Bethani Massey (FSI)	Spring 2006	
Undergraduate students (elsewhere)		**Current Position**
Aristides Arrenberg (Hamburg)	Spring, 2004	Faculty, University of Freiburg
Jonathan Leong (Harvard)	Summer, 2003	Postdoc, Stanford
Alex Pollen (Harvard)	Fall, 2001	Postdoc, UCSF
Duncan Smith-Rohrberg (Harvard)	Fall & Spring 2000	Epidemiologist, Brigham & Women's Hospital
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 - Colloquium, 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 - 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 - Dynamical Neuroscience XX: Collective Cognition, New Orleans, Louisiana
2013 - UnionDocs Center for Documentary Arts, "The Uncanny Valley", Brooklyn
2013 - National Institute of Mental Health, Bethesda
2013 - Presidential Symposium, Association for Research in Otolaryngology, Baltimore
2013 - Center for Cognitive Neuroscience, Duke University
2013 - Cognitive Neuroscience Colloquium, City College of New York
2013 - 17th International Conference on Cognitive & Neural Systems, Boston
2013 - Summer Institute in Cognitive Neuroscience, Lake Tahoe
2013 - Gordon Research Conference, "Neuroethology", West Dover, Vermont
2013 - Symposium, Society for Experimental Social Psychology, Berkeley
2013 - Department of Psychology, Columbia University
2013 - Keynote lecture, "Language Sciences", University of Cambridge, *United Kingdom*
2013 - "Bridging the gap between coordination and conversation" Workshop, Yeshiva University
2013 - Public lecture, "Sound, Language, Brain & Society" symposium, University of Pennsylvania
2013 - Karger Workshop on Human Brain Evolution, San Diego
2014 - Neurobiology Seminar, University of Pittsburgh
2014 - Colloquium, Department of Psychology, New York University
2014 - Neurobiology & Behavior, Columbia University
2014 - Barcelona Cognition, Brain & Technology Summer School, *Spain*
2014 - Colloquium, Psychology, Hunter College
2014 - Seminar, Shelby White and Leon Levy Center for Mind, Brain and Behavior, Rockefeller University
2014 - Colloquium, Center for the Study of Human Origins, New York University
2014 - Distinguished Speaker in Behavioral & Brain Sciences, Cornell University
2015 - Seminar, Institute for Intelligent Systems, University of Memphis
2015 - Neuroscience Seminar, Vanderbilt University
2015 - Public lecture, The John von Neumann Public Lectures in Complexity & Computation, University of Wisconsin, Madison
2015 - Seminar, Neurobiology & Anatomy, Washington University
2015 - "Attending & Neglecting People" workshop, Helsinki, *Finland*
2015 - Keynote Lecture, IEEE International Conference on Development and Learning and Epigenetic Robotics, Brown University
2015 - Current Works in Behavior, Genetics, and Neuroscience, Yale University (Sep 4)
2015 - Neuroscience Seminar, Department of Neurobiology & Behavior, SUNY Stony Brook (September 24)
2015 - 39th Minnesota Symposium on Child Psychology, University of Minnesota (Oct 23-24)
2016 - Keynote Lecture, 9th Primate Neurobiology Conference, *Germany* (Mar 15-16)
2016 - Cognitive Science & Neuroscience Programs, Indiana University-Bloomington (Mar 21)
2016 - Gordon Research Conference, "Neurobiology of Cognition", Maine (Jul 24-29)

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,** Turesson 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, Stillittano 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 (2013) Monkeys are perceptually tuned to facial expressions that exhibit a theta-like rhythm. *Proceedings of the National Academy of Sciences, USA,* 110: 1959-1963.

42. Takahashi DY, Narayanan D and **Ghazanfar AA** (2013) Coupled oscillator dynamics of vocal turn-taking in monkeys. *Current Biology,* 23: 2162-2168.

43. Chandrasekaran C, Lemus L and **Ghazanfar AA** (2013) Dynamic faces speed up the onset of auditory cortical spiking responses during vocal detection. *Proceedings of the National Academy of Sciences, USA,* 110: E4668-4677.

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