

**Curriculum Vitae**  
**Asif A. Ghazanfar**  
Princeton Neuroscience Institute  
Departments of Psychology and Ecology & Evolutionary Biology  
Princeton University  
(December 2018)

## Contact Information

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## Education

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

## Positions held

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2014 – present Professor, Princeton Neuroscience Institute & Department of Psychology  
2014 – present Director of Undergraduate Studies, Neuroscience Major and Certificate Program  
2011 – 2014 Co-Director, Undergraduate Neuroscience Certificate 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, Tübingen, Germany  
2000 Teaching fellow, Department of Psychology, Harvard University  
1999 – 2001 Postdoctoral fellow, Department of Psychology, Harvard University

## Honors and Awards

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2013 Troland Research Award, National Academy of Sciences

2011 – 2016	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 <sup>st</sup> 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

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- 2018 – present: Editorial Board, *Princeton University Press*  
 2012 – present: Editorial Board, *Developmental Psychobiology*  
 2010 – present: Editorial Board, *Current Biology*  
 2014 – 2018: Consulting Editor, *Behavioral Neuroscience*  
 2010 – 2016: Associate Editor, *The Journal of Neuroscience*  
 2007 – 2010: Associate Editor, *Frontiers in Integrative Neuroscience*

Guest Editor: *PNAS*, *PLoS Biology*

## Grant Support

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### Current

- 2006 – 2023 NIH 2R01NS054898, Principal Investigator  
 “Multisensory integration of faces and voices in the primate temporal lobe”
- 2017 Princeton Neuroscience Institute Research Innovator Award (co-PI with Carlos Brody)  
 “Fast functional ultrasound imaging platform to measure large-scale neural activity.”

### Completed

- 2012 – 2015 250<sup>th</sup> 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”
- 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

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Society for Neuroscience  
 International Society for Neuroethology

## Service

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### *Review Committees*

2017-present	Member, Donald B. Lindsey Prize Selection Committee, Society for Neuroscience
2018	<i>Chair</i> , R01 Special Emphasis – Integrative Neuroscience, NIH
2017	Member, BRAIN Initiative: Targeted BRAIN Circuits Projects Panel, NIH
2016	Member, Program Project (P01) Panel, NIH
2016	Member, R01 Special Emphasis Panel, NIH
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
2006	NSF Cognitive Neuroscience Review panel

### *Conference Committees*

2016	Co-organizer, Mechanisms of Communication VI conference
2015	Scientific committee, 1 <sup>st</sup> Joint Conference on Facial Analysis, Animation and Audiovisual Speech Processing, Vienna Austria
2012	Organizing committee, 10 <sup>th</sup> International Congress of Neuroethology
2011	Nominating committee, International Society for Neuroethology
2007	Organizing committee, 8 <sup>th</sup> International Congress of Neuroethology

### *University committees*

2018 – 2019	Member, President’s Ad-hoc Committee on the Classroom Environment
2017 – present	<i>Chair</i> , Institutional Animal Care & Use Committee
2015 – present	Member, Animal Research Advisory Group
2013 – 2017	Member, Institutional Animal Care & Use Committee
2012 – 2013	University Curriculum Committee
2007 – 2008	Princeton Neuroscience Institute Design Committee – Vivarium

### *Faculty Search & Recruitment Committees*

2016 – 2017	<i>Chair</i> , Recruitment committee for Tania Lombrozo (from UC Berkeley)
2016 – 2017	Search committee, Faculty position in Princeton Neuroscience Institute
2013 – 2014	<i>Chair</i> , Search committee, Faculty position in Psychology (Developmental)
2013 – 2014	Search committee, Faculty position in Ecology & Evolutionary Biology (Animal behavior)
2011 – 2012	Search committee, Faculty position for Princeton Neuroscience Institute
2011 – 2012	Search committee (University-level), Behavioral Science Librarian position

### *Faculty Promotion Committees*

2018 – 2019	<i>Chair</i> , promotion-to-tenure, Casey Lew-Williams (PSY)
2018 – 2019 (PNI/MOL)	Committee member, promotion-to-full professor, Mala Murthy
2017 – 2018	Committee member, 3 <sup>rd</sup> -year reappointment, Lindy McBride (EEB/PNI)
2017 – 2018	<i>Chair</i> , 3 <sup>rd</sup> -year reappointment, Lauren Emberson (PSY)
2016 – 2017	<i>Chair</i> , promotion-to-full professor, Uri Hasson (PNI/PSY)
2015 – 2016	Committee member, promotion-to-tenure, Betsy Levy-Paluck (PSY)
2015 – 2016	Committee member, promotion-to-tenure, Mala Murthy (PNI/MOL)

### *Education-related Committees*

2014 – present	Princeton Neuroscience Institute Curriculum Committee ( <i>Chair</i> , 2014-2018)
2011 – 2014	Member, Princeton Neuroscience Institute Curriculum Committee
2009, 2010, 2011	Princeton Neuroscience Institute Graduate Admissions Committee

### *Advising roles*

2016 – present	Freshman Advisor, Butler Residential College
2006, 2008, 2010	Freshman Advisor, Mathey Residential College
2006	Mentor, Freshman Scholars Institute
2006	Mentor, Mellon Fellows program

### *Outreach*

2017	Q & A at Princeton Learning Cooperative
2014	Lecturer, “Teachers as Scholars” program
2011	Presenter, Littlebrook Elementary School Science Expo, Princeton, New Jersey
2009	Presentation Judge and Recruiter, <i>Annual Biomedical Research Conference for Minority Students</i> , Phoenix, Arizona
2007	Mentor, Harlem Children Society
2006	Mentor, New Jersey Center for Life Science

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## Teaching

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### *Princeton University*

S2013, S2014, S2016, S2017	PSY/NEU260 The Life Cycles of Behavior
S2013	PSY543 Research Seminar in Cognitive Psychology
F2010, F2011	NEU258 Fundamentals of Neuroscience
S2010, S2011	NEU502 From Molecules to Systems to Behavior
F2009, F2010, F2011	NEU501 From Molecules to Systems to Behavior
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)
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## Mentoring

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### **Post-doctoral fellows**

Morgan L. Gustison	2017 → 2018
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 → 2017
- National Science Foundation Graduate Fellowship	
- Current a postdoctoral fellow at Indiana University	
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(NICHHD)/Sackler Institute Travel Award
- Chandramouli Chandrasekaran (Psychology) 2006 → 2011
- 2010-2011 Charlotte Elizabeth Procter Honorific Fellowship
  - 2010-2011 Hoffman Scholar
  - Currently an Assistant Professor at Boston 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 Modena & Reggio Emilia, Italy) 2011 → 2012

### Undergraduate students (Princeton)

Rebecca Terrett (EEB/NEU) Fall 2014 – Spring 2015

- Newman/Biousse Award in Neuroscience

Peppar Cyr (PSY/NEU) Spring 2013 – Summer 2014

- Newman/Biousse Award in Neuroscience

Yayoi Teramoto (IND/NEU/QCN) Spring 2013 – Summer 2014

- Brinster Prize for Outstanding Senior thesis in Neuroscience

Alicia R. Fenley (PSY/NEU) Spring 2012 – Spring 2014

- George Miller Prize for Outstanding Senior thesis in Cognitive Science

Randi Brown (EEB/NEU) Spring 2013 – Spring 2014

Christopher Luminais (EEB/NEU) Spring 2012 – Spring 2013

Sabina Hlavaty (EEB/NEU) Spring 2012 – Spring 2013

Jenny Wu (EEB) Summer 2011 – Spring 2013

Maia ten Brink (PSY) Summer 2011 – Spring 2013

- Howard Warren Crosby, Jr. Senior Thesis Prize

Jung Yoon (Clare) Choi (PSY) Fall 2010 – Spring 2013

Neil Mathur (EEB/NEU) Summer 2009 – Spring 2011

### Post-graduation

Graduate student, Cambridge University

Graduate student, Oxford University

Graduate student, Clinical Psych, Boston University

Research associate, UCSF

Medical student, Jefferson Medical College

U. Penn Veterinary School

Graduate student, Stanford University

Graduate student, Princeton University  
Medical student, Albany Medical College

Jeremy I. Borjon (PSY/NEU)	Summer 2009 – Spring 2010	Postdoc, Indiana University
- Edward E. Jones Memorial Senior Thesis Prize		
- 3 <sup>rd</sup> Prize, Undergrad Research Symp.		
- Senior Class Day speaker (Psychology)		
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	Physician, Jackson Memorial Hospital
Carter Cleveland (CS)	Fall 2007	Founder of Art.sy
Geoffrey Nelson (EEB/NEU)	Spring 2007 – Spring 2008	Postdoc, Dept. Biomedical Informatics, Harvard
Aitalohi Amaize (PSY/NEU)	Fall 2005 – Spring 2007	Dept. Public Health, U. Maryland, College Park
- 3 <sup>rd</sup> Prize, Undergrad Research Symp. (Biological sciences)		
Adam Litterman (MOL/NEU)	Fall 2005 – Spring 2007	Research Scientist, Bristol-Myers Squibb
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Ambrose Carr (FSI)	Spring – Summer 2006	Graduate student, Columbia University
M. Bethani Massey (FSI)	Spring 2006	

### Current Position

<b>Undergraduate students (elsewhere)</b>		
Aristides Arrenberg (Hamburg)	Spring, 2004	Faculty, University of Freiburg
Jonathan Leong (Harvard)	Summer, 2003	Graduate Student, Stanford
Alex Pollen (Harvard)	Fall, 2001	Faculty, UCSF
Duncan Smith-Rohrberg (Harvard)	Fall & Spring 2000	Epidemiologist, Brigham & Women's Hospital
Jonathan I. Flombaum (Harvard)	Fall, 2000	Faculty, Johns Hopkins

### Invited Talks

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- 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, 5<sup>th</sup> 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, 7<sup>th</sup> 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", 10<sup>th</sup> International Multisensory Research Forum, New York.  
 2009 - Symposium, "The development of multisensory perception", 10<sup>th</sup> 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, 3<sup>rd</sup> 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, 4<sup>th</sup> 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 - 17<sup>th</sup> 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 - Seminar, Neurobiology, 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 - Seminar, Neuroscience, 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  
 2015 - Seminar, Department of Neurobiology & Behavior, SUNY Stony Brook  
 2015 - Mechanisms of Communication Conference, Field Museum, Chicago  
 2015 - 39<sup>th</sup> Minnesota Symposium on Child Psychology, University of Minnesota  
 2016 - Colloquium, Cognitive Science & Neuroscience Programs, Indiana University  
 2016 - Keynote Lecture, 9<sup>th</sup> Primate Neurobiology Conference, *Germany*  
 2016 - Gordon Research Conference, “Neurobiology of Cognition”, Maine (135)  
 2016 - MIT Brains, Minds & Machines Summer School, Woods Hole, MA  
 2016 - Colloquium, MIT McGovern Institute for Brain Research  
 2016 - Neuroscience Formal Seminar Series, University of California, San Francisco  
 2017 - Santa Fe Institute (141)  
 2017 - Ernst Strüngmann Institute, Frankfurt, *Germany*  
 2017 - MIT Brains, Minds & Machines Summer School, Woods Hole, MA  
 2017 - Cognitive Science Program, Dartmouth College  
 2018 - Center for Brain Sciences, Harvard University, Cambridge, MA (March 6)  
 2018 - La Timone Neuroscience Institute in Marseille, *France* (March 22-23)  
 2018 - Anthropology Institute, University of Zurich, *Switzerland* (March 21)

- 2018 - Ernst Strüngmann Forum, Cerebral Cortex 3.0 Complexity & Computation, Frankfurt, Germany (April 8-13)
- 2018 - Anchor talk, Social & Affective Neurosciences Conference, Brooklyn, NY
- 2018 - Neuroscience “Frequently Unasked Questions” workshop, Alicante, Spain
- 2018 - Symposium, “Animal communication, cognition and the evolution of language”, Animal Behavior Society, Milwaukee, WI

## Publications

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### 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.
3. Krakauer JK & **Ghazanfar AA** (under contract). *The State of Neuroscience*. Princeton University Press, Princeton NJ.

### 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.
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