

CURRICULUM VITAE

I. General Biographical Information

A. Personal

1. Full Name: Michael Stephen Beauchamp
2. Citizenship: U.S.A.
3. Education:
 - a. Undergraduate: Harvard University, Cambridge, MA. A.B. *cum laude* in Biology, September 1988 - June 1992.
Advisors: John Dowling and Richard Masland.
 - b. Graduate Education: University of California, San Diego, CA. Ph.D. in Neurosciences.
Thesis title: FMRI of Attention in the Human Motion Processing System.
Advisors: Edgar DeYoe and Thomas Albright.
August 1992 – June 1997.
 - c. Postgraduate Training: Section on Functional Brain Imaging, Laboratory of Brain and Cognition, National Institute of Mental Health Intramural Research Program (NIMH-IRP), Bethesda, MD. July 1997 – June 2000.
Advisor: James Haxby.
Source of Support: Intramural Research Training Award

Section on Cognitive Neuropsychology, Laboratory of Brain and Cognition, National Institute of Mental Health Intramural Research Program (NIMH-IRP), Bethesda, MD. June 2000 – June 2005.
Advisor: Alex Martin
Source of Support: Intramural Research Training Award

B. Academic Appointments

1. Current faculty position: Associate Professor (senior faculty placeholder appointment)
Department of Neurosurgery (primary)
Department of Neuroscience (secondary)
Director of Research, Department of Neurosurgery
Director, Core for Advanced MRI (CAMRI)
Baylor College of Medicine
March 2015 – present.
2. Previous faculty position: Associate Professor with tenure (2011 – 2015)
Assistant Professor (2005 – 2011)
Department of Neurobiology and Anatomy
University of Texas Medical School at Houston

3. Courtesy appointments Adjunct Associate Professor, Department of Neurobiology and Anatomy, University of Texas Medical School at Houston
Adjunct Associate Professor, Department of Psychology, Rice University

C. Other advanced training/experience

Cold Spring Harbor Course in Functional Neuroimaging (1993)
McDonnell Summer Institute in Cognitive Neuroscience (1996)
Burroughs Wellcome Fund Course in Scientific Management (2002)
Gulf Coast Consortium Research Mentoring workshop (2012)
The University of Texas M.D. Anderson Cancer Center Faculty Supervisory and Management Program (2014)

D. Other information

1. Honors and Awards

Ford Foundation Fellowship for Undergraduate Research (1990 - 1992)
Howard Hughes Medical Institute Predoctoral Fellowship (1992 - 1997)
NIH Fellows Award for Research Excellence (1999, 2000)
Best Lecturer in Neuroscience, University of Texas Medical School (2010)
Highest commendation for service to graduate education, UTHealth/MD Anderson Graduate School of Biomedical Sciences (2013)

II. Research Information

A. Research Support

Total Percent Effort supported by grants: 95%

Agency: National Institutes of Health, National Institute of Neurological Diseases and Stroke
Title: Neural Mechanisms of Optimal Multisensory Integration
Grant Number: R01NS065395
Role: Principal Investigator
Dates: February 1, 2010 – January 31, 2020 (renewal effective Jan 31, 2016)

Agency: National Institutes of Health, National Eye Institute
Title: Visual Form Perception Produced by Electrically Stimulating Human Visual Cortex
Grant Number: R01EY023336
Role: Co-investigator (PI: Daniel Yoshor, MD)
Dates: September 1, 2013 – August 31, 2017

Agency: Veterans Administration Clinical Science Research and Development Merit Award
Title: Multisensory Processing of Human Speech Measured with msec and mm Resolution
Grant Number 1I01CX000325-01A1
Role: Co-investigator (PI: Daniel Yoshor, MD)
Dates: April 1, 2015 – March 31, 2018

Agency: National Institutes of Health, National Institute of Neurological Diseases and Stroke

Title: Baylor Research Education Program in Neurosurgery
Grant Number: R25NS070694
Role: Co-investigator (PI: Daniel Yoshor, MD)
Dates: July 1, 2015 – June 30, 2019

B. National Scientific Participation: (include dates and titles)

1. Journal editorial boards, etc.

Journal of Neuroscience (Associate Editor, Behavioral/Cognitive section, 2014 - present)

2. Review panels

NIH Center for Scientific Review Panels

Standing Member, Mechanisms of Sensory, Perceptual, and Cognitive Processes (SPC), 7/01/2013 - 6/30/2019.

Ad hoc member, Biomedical Imaging Technology (BMIT), 2008

Ad hoc member, ZRG1 IFCN-E (04) M, 2010

Ad hoc member, SPC, 2011, 2012

Ad hoc member, ZRG1 IFCN-Q (2), 2013

Ad hoc member and Chair, ZGM1 PPBC-0 (AN)

Other Review Panels

Department of Veteran's Affairs Neurodegenerative Diseases and Aging panel (RRD6) and Sensory Systems panel (RRD3), 2009

United Kingdom Medical Research Council, 2005

National Science Foundation, 2003, 2004, 2009

Research Grant Panel of Hong Kong, 2011, 2012, 2013, 2014

European Research Council, 2010, 2012

Human Frontier Science Program, 2012

Dunn Collaborative Research Award, 2012, 2013

3. Professional societies

Society for Neuroscience (1992 – present)

Organization for Human Brain Mapping (1996-present)

2010: Chair-Elect, Education Committee

2011: Chair, Education Committee

2012: Past Chair, Education Committee

2014: Member, Scientific Advisory Board

4. Invited lectures, presentations, research seminars

2001 Georgetown University Institute for Cognitive and Computational Sciences Seminar

2002 Montreal Neurological Institute Research Seminar
Medical College of Wisconsin Biophysics Research Institute Symposium

2003 Integrative Neuroscience Interest Group, N.I.H.
West Virginia University Center for Advanced Imaging Seminar

Centre National De La Recherche Scientifique (Caen, France) Seminar
Washington University in St. Louis Neuroimaging Laboratory Seminar
Georgetown University Department of Neurology Conference
University of Minnesota Department of Psychology Seminar
University of Illinois, Urbana-Champaign Psychology Seminar

- 2004 University of California, Irvine, Cognitive Science Colloquium
Indiana University Psychology Department Seminar
Rutgers University—Newark Department of Psychology
West Virginia University Department of Neurobiology and Anatomy
Dalhousie University Brain Repair Centre Lecture
University of Texas at San Antonio Biology Department Seminar
University of Iowa Medical Center Department of Neurology
University of Texas Houston Health Science Center Lecture
- 2005 RIKEN Brain Science Institute Invited Seminar. Tokyo, Japan.
Washington V.A. Hospital Neurology Grand Rounds
Rice University Cognitive Neuroscience Tea Lecture Series
University of Houston School of Optometry Periopsia Seminar Series
- 2006 Research Seminar, University of Texas School of Health Information Sciences at
Houston
Neurosurgery Grand Rounds, University of Texas Medical School
Neuroscience Seminar Series, Baylor College of Medicine
Department of Ophthalmology Seminar, University of Texas Medical School
- 2007 Texas A&M University Neuroscience Lecture Series
Research Seminar, University of Texas School of Health Information Sciences at
Houston
Neurosurgery Grand Rounds, University of Texas Medical School
Neuroscience Seminar Series, Baylor College of Medicine
Department of Ophthalmology Seminar, University of Texas Medical School
- 2008 UCSF/Integra Neurosciences Workshop on Electroconvulsive Therapy
McGill University Neuroscience Program Lecture Series
Department of Neurobiology and Anatomy Colloquium, University of Texas Medical
School at Houston
Rice University Department of Psychology Cognitive Tea
Invited Speaker, Houston Society of Engineering in Medicine and Biology Vision
Symposium
Invited Speaker, 18th Annual TENNET Meeting on Theoretical & Experimental
Neuropsychology (Waterloo, Ontario, Canada).
- 2009 Association for Research in Memory (ARMADILLO), Rice University
Department of Psychiatry and Behavioral Sciences Grand Rounds, University of Texas
Medical School

Colloquium Speaker, Center for Brain Health, University of Texas Southwestern Medical Center and University of Texas at Dallas
Department of Psychiatry Grand Rounds, Michael E. DeBakey Veteran's Administration Medical Center
Texas Children's Hospital Neuroimaging Special Interest Group

2010 Brown Family Foundation Institute of Molecular Medicine Seminar Series, Houston, TX
University of Minnesota Department of Psychology Colloquium
University of Missouri Department of Psychology Colloquium
Department of Neurobiology and Anatomy Colloquium, University of Texas Medical School at Houston
Department of Biology Seminar Series, University of Texas at San Antonio
Psychology Department Colloquium, Rice University, Houston, TX

2011 York University (Toronto, Ontario, Canada) Department of Psychology Colloquium
Vanderbilt University Department of Hearing and Speech Sciences Seminar
Rice University (Houston, TX) B.R.A.I.N. Undergraduate Neuroscience Symposium
Keynote Lecturer
Houston Brain Behavior and Imaging Group (BBIG)

2012 Rotman Institute Research Rounds (Toronto, Ontario, Canada)
University of Texas at Austin Neurobiology Seminar Series, Austin, TX
University of Southern California Department of Psychology Seminar, Los Angeles, CA
University of California, Los Angeles, Special Cognitive Forum, Los Angeles, CA
Institute of Psychology Special Forum, Chinese Academy of Sciences, Beijing, China
Department of Neuroscience, Virginia Tech Carillion Research Institute, Roanoke, VA
Rice University Department of Psychology Cog Tea, Houston, TX
Department of Neurosurgery Grand Rounds, Baylor College of Medicine, Houston, TX
City University of New York Psychology Department Seminar, New York, NY

2013
University of Washington fMRI Seminar Series (Seattle, TX)

2015
University of Houston Health and Human Performance Seminar Series (Houston, TX)
National Institute of Mental Health Seminar Series (Bethesda, MD)

C. Publications

1. Full papers published in peer review journals

1. Beauchamp, M.S., Cox, R.W., and DeYoe, E.A.: Graded effects of spatial and featural attention on human area MT and associated motion processing areas. *J Neurophysiol* 77: 516-520, 1997.

2. Beauchamp, M.S., Haxby, J.V., Jennings, J.E., and DeYoe, E.A.: An fMRI version of the Farnsworth-Munsell 100-Hue test reveals multiple color-selective areas in human ventral occipitotemporal cortex. *Cereb Cortex* 9: 257-263, 1999.
3. Beauchamp, M.S., Haxby, J.V., Rosen, A.C., and DeYoe, E.A.: A functional MRI case study of acquired cerebral dyschromatopsia. *Neuropsychologia* 38: 1170-1179, 2000.
4. Lewis, J.W., Beauchamp, M.S., and DeYoe, E.A.: A comparison of visual and auditory motion processing in human cerebral cortex. *Cereb Cortex* 10: 873-888, 2000.
5. Beauchamp, M.S., Petit, L., Ellmore, T.M., Ingeholm, J., and Haxby, J.V.: A parametric fMRI study of overt and covert shifts of visuospatial attention. *Neuroimage* 14: 310-321, 2001.
6. Beauchamp, M.S., Lee, K.E., Haxby, J.V., and Martin, A.: Parallel visual motion processing streams for manipulable objects and human movements. *Neuron* 34: 149-159, 2002.
7. Beauchamp, M.S.: Detection of eye movements from fMRI data. *Magn Reson Med* 49: 376-380, 2003.
8. Beauchamp, M.S., Lee, K.E., Haxby, J.V., and Martin, A.: FMRI responses to video and point-light displays of moving humans and manipulable objects. *J Cogn Neurosci* 15: 991-1001, 2003.
9. Petit, L., and Beauchamp, M.S.: Neural basis of visually guided head movements studied with fMRI. *J Neurophysiol* 89: 2516-2527, 2003.
10. Beauchamp, M.S., Lee, K.E., Argall, B.D., and Martin, A.: Integration of auditory and visual information about objects in superior temporal sulcus. *Neuron* 41: 809-823, 2004.
11. Beauchamp, M.S., Argall, B.D., Bodurka, J., Duyn, J.H., and Martin, A.: Unraveling multisensory integration: patchy organization within human STS multisensory cortex. *Nat Neurosci* 7: 1190-1192, 2004.
12. Beauchamp, M.S.: Statistical criteria in FMRI studies of multisensory integration. *Neuroinformatics* 3: 93-114, 2005.
13. Van Boven, R.W., Ingeholm, J.E., Beauchamp, M.S., Bikle, P.C., and Ungerleider, L.G.: Tactile form and location processing in the human brain. *Proc Natl Acad Sci U S A* 102: 12601-12605, 2005.
14. Amedi, A., von Kriegstein, K., van Atteveldt, N.M., Beauchamp, M.S., and Naumer, M.J.: Functional imaging of human crossmodal identification and object recognition. *Exp Brain Res* 166: 559-571, 2005.
15. Wheatley, T., Weisberg, J., Beauchamp, M.S., and Martin, A.: Automatic priming of semantically related words reduces activity in the fusiform gyrus. *J Cognit Neurosci* 17: 1871-1885, 2005.

16. Furey, M.L., Tanskanen, T., Beauchamp, M.S., Avikainen, S., Uutela, K., Hari, R., and Haxby, J.V.: Dissociation of face-selective cortical responses by attention. *Proc Natl Acad Sci U S A* 103: 1065-1070, 2006.
17. Argall, B. D., Saad, Z. S., and Beauchamp, M. S.: Simplified intersubject averaging on the cortical surface using SUMA. *Hum Brain Mapp* 27:14-27, 2006.
18. Beauchamp, M. S., and Martin, A.: Grounding object concepts in perception and action: evidence from fMRI studies of tools. *Cortex* 43:461-468, 2007.
19. Simmons, W. K., Ramjee, V., Beauchamp, M. S., McRae, K., Martin, A., and Barsalou, L. W.: A common neural substrate for perceiving and knowing about color. *Neuropsychologia* 45:2802-2810, 2007.
20. Beauchamp, M. S., Yasar, N. E., Kishan, N., and Ro, T.: Human MST but not MT responds to tactile stimulation. *J Neurosci* 27:8261-8267, 2007.
21. Ro, T., Farne, A., Johnson, R., Wedeen, V., Chu, Z., Want, Z., Hunter, J., and Beauchamp, M.S.: Feeling sounds after a thalamic lesion. *Annals of Neurology* 62:433-441, 2007.
22. Murphey, D., Yoshor, D., and Beauchamp, M.S.: Perception Matches Selectivity in the Human Anterior Color Center. *Current Biology* 18:216-220, 2008.
23. Beauchamp, M.S., Yasar, N.E., Frye, R.E., and Ro, T.: Touch, sound and vision in human superior temporal sulcus. *Neuroimage* 14:1011-1020, 2008.
24. Dulay, M. F., Murphey, D.K., Sun, P., David, Y.B., Maunsell, J.H., Beauchamp, M.S., Yoshor, D. Computer-controlled electrical stimulation for quantitative mapping of human cortical function. *J Neurosurg.* 2009 Jun;110(6):1300-3.
25. Beauchamp, M. S. and Ro, T. Neural substrates of sound-touch synesthesia after a thalamic lesion. *J Neurosci*, 28(50):13696-702, 2008.
26. Frye, R.E., and Beauchamp, M.S. Receptive language organization in high-functioning autism. *Journal of Child Neurology*, Feb; 24(2) 231-236, 2009.
27. Saad, Z.S., Glen, D.R., Chen, G., Beauchamp, M.S., Desai, R., Cox, R.W. A new method for improving functional-to-structural MRI alignment using local Pearson correlation. *Neuroimage*, Feb 1; 44(3):839-848, 2009.
28. Beauchamp, M.S., LaConte S., Yasar, N. Distributed representation of single touches in somatosensory and visual cortex. *Human Brain Mapping*, 2009 Oct; 30(10):3163-71.
29. Murphey, D., Maunsell, J.H.R., Beauchamp, M.S.*, Yoshor, D.* Perceiving electrical stimulation of identified human visual areas. *Proceedings of the National Academies of Sciences*, 106(13):5389-93, 2009. (* these two authors contributed equally to this work)

30. Ro, T., Hsu J., Yasar, N., Elmore C.L., Beauchamp, M.S. Sound enhances touch perception. *Experimental Brain Research* 195:135-143, 2009.
31. Ellmore, T.M., Beauchamp, M.S., O'Neill T.J., Dreyer, S., Tandon, N. Relationships between essential cortical language sites and subcortical pathways. *Journal of Neurosurgery*, 2009 Oct;111(4):755-66..
32. Ellmore TM, Beauchamp MS, Breier JI, Slater JD, Kalamangalam GP, O'Neill TJ, Disano MA, Tandon N. Temporal lobe white matter asymmetry and language laterality in epilepsy patients. *Neuroimage*. 2010 Feb 1; 49(3):2033-44.
33. Beauchamp, M.S., Nath, A., Pasalar, S. fMRI-Guided transcranial magnetic stimulation reveals that the superior temporal sulcus is a cortical locus of the McGurk effect. *J Neurosci*. 2010 Feb 17;30(7):2414-7. *Featured at SFN Annual Meeting Press Conference and in SFN publication "Neuroscience Quarterly", Winter 2011.*
34. Frye, R.E., Liederman, J., Malmberg, B., McLean, J., Strickland, D., Beauchamp, M.S. Surface Area Accounts for the Relation of Gray Matter Volume to Reading-Related Skills and History of Dyslexia. *Cerebral Cortex*, 2010 Feb 12.
35. Pasalar, S., Ro, T., Beauchamp, M.S. TMS of Posterior Parietal Cortex Disrupts Visual Tactile Multisensory Integration. *European Journal of Neuroscience*, 31: 1783-90, 2010. *Special Issue on Multisensory Integration.*
36. Beauchamp, M.S., Pasalar, S., Ro, T. Neural substrates of reliability-weighted visual-tactile multisensory integration. *Frontiers in Systems Neuroscience*, 4(25): 1-11, 2010. *Special issue on Connectivity and Brain Disorders.*
37. Sevy, A.B.G., Bortfeld, H, Huppert, T.J., Beauchamp, M.S., Tonini, R.E., Oghalai, J.S. Neuroimaging with Near-Infrared Spectroscopy Demonstrates Speech-Evoked Activity in the Auditory Cortex of Deaf Children Following Cochlear Implantation. *Hearing Research*, 2010 Dec; 270: 39-47.
38. Nath, AR and Beauchamp, MS. Dynamic Changes in Superior Temporal Sulcus Connectivity During Perception of Noisy Audiovisual Speech. *Journal of Neuroscience*, 2011 Feb 2;31(5):1704-1714.
39. Nath, AR and Beauchamp, MS. A Neural Basis for Interindividual Differences in the McGurk Effect, a Multisensory Speech Illusion. *Neuroimage*, 59(1): 781-787, 2012 [epub Jul 20, 2011].
40. Nath, AR, Fava EE and Beauchamp, MS. Neural Correlates of Interindividual Differences in Children's Audiovisual Speech Perception. *Journal of Neuroscience*, 31(39): 13963-71, 2011 Sep 28.
41. Beauchamp MS, Beurlot MR, Fava EE, Nath AR, Parikh NA, Saad ZS, Bortfeld H, Oghalai JS. The Developmental Trajectory of Brain-Scalp Distance from Birth through Childhood: Implications for Functional Neuroimaging. *PLoS One*, 6(7):e24981, 2011 Sep 21.

42. Chen, G, Saad, ZS, Nath, AR, Beauchamp, MS and Cox, RW. FMRI Group Analysis Combining Effect Estimates and Their Variances. *Neuroimage* 60(1):747-65, 2012.
43. Beauchamp, MS, Sun, P, Baum, S, Tolia, A, Yoshor, D. Electrocortigraphy Links Human Temporoparietal Junction to Visual Perception. *Nature Neuroscience* 15(7):957-9, 2012.
44. Baum, SH, Martin, RC, Hamilton, AC, Beauchamp, MS. Multisensory speech perception without the left superior temporal sulcus. *Neuroimage* 62(3):1825-32, 2012.
45. Ro, T, Ellmore, TM, Beauchamp, MS. A neural link between hearing and feeling. *Cerebral Cortex* July 2013; 23(7):1724 - 30.
46. Weisberg, J, Milleville SC, Kenworthy, L, Wallace, GL, Gotts SJ, Beauchamp MS, Martin A. Social Perception in Autism Spectrum Disorders: Impaired Category Selectivity for Dynamic but not Static Images in Ventral Temporal Cortex. *Cerebral Cortex* 24(1):37-48, 2014.
47. Magnotti, JF, Ma, W, Beauchamp MS. Causal inference of asynchronous audiovisual speech. *Frontiers in Psychology*, 13 November 2013; 4:798.
48. Pollonini, L, Bortfeld, H, Abaya, H, Beauchamp, MS, Tonini, RE, Oghalai, JS. Auditory cortex activation to natural speech and simulated cochlear implant speech measured with functional near-infrared spectroscopy. *Hearing Research*. March 2014; 309:84-93.
49. Schepers, IM, Yoshor, D, Beauchamp, MS. Electrocohortigraphy Reveals Enhanced Visual Cortex Responses to Visual Speech. *Cerebral Cortex* (Epub 5 June 2014).
50. Magnotti, JF, Beauchamp, MS. The Noisy Encoding of Disparity Model of the McGurk Effect. *Psychonomic Bulletin and Review* (Epub 23 Sept 2014).
51. Baum, SH, Beauchamp MS. Greater BOLD Variability in Older Compared with Younger Adults during Audiovisual Speech Perception. *PLoS One*. 2014 Oct 22;9(10):e111121.
52. Magnotti, JF, Basu Mallick, D, Feng, G, Zhou, B, Zhou, W, Beauchamp, MS. Similar frequency of the McGurk effect in large samples of native Mandarin Chinese and American English speakers. *Experimental Brain Research* (Epub 4 June 2015).
53. Jiang, F, Beauchamp, MS, Fine, I. Re-examining overlap between tactile and visual motion responses within hMT+ and STS. *Neuroimage* (Epub 2015 June 26).

2. Other full papers

1. Beauchamp, MS. Functional MRI for beginners. *Nature Neuroscience* 5: 397-398, 2002.
2. Beauchamp, MS. See me, hear me, touch me: multisensory integration in lateral occipital-temporal cortex. *Curr Opin Neurobiol* 15: 145-153, 2005.

3. Martin, A, Simmons W, Beauchamp, MS, Gotts SJ. Is a single 'hub', with lots of spokes, an accurate description of the neural architecture of action semantics?: Comment on "Action semantics: A unifying conceptual framework for the selective use of multimodal and modality-specific object knowledge" by van Elk, van Schie and Bekkering. *Phys Life Rev.* 2014 Jun;11(2):261-2.
4. Beauchamp, MS. The social mysteries of the superior temporal sulcus. *Trends in Cognitive Science* (in press).

3. Abstracts given during last three years

1. Malcom, B., Reilly, K., Mattout, J., Saleme, R., Bertrand, O., Beauchamp, M.S., Ro, T., Farne, A. The hands have it: hand-specific visual events boost touch perception and somatosensory evoked potentials. Cognitive Neuroscience Society Annual Meeting, 2012.
2. Ro, T., Ellmore, T., Beauchamp, M.S. A neural link between hearing and feeling. International Multisensory Research Forum, 2012.
3. Malcom, B., Reilly, K., Mattout, J., Saleme, R., Bertrand, O., Beauchamp, M.S., Ro, T., Farne, A. The hands have it: hand-specific visual events boost touch perception and somatosensory evoked potentials. International Multisensory Research Forum, 2012.
4. Pei, X., Sun, P., Schepers, I.M., Beauchamp, M.S., Yoshor, D. Creating visual percepts with electrical stimulation of human visual cortex: comparison with receptive fields mapped with local field potentials. Society for Neuroscience, 2012.
5. Schepers, I.M., Sun, P., Pei, X., Baum, S.H., Yoshor, D., Beauchamp, M.S. Auditory speech diminishes gamma-band responses in visual cortex to visual speech. Society for Neuroscience, 2012.
6. Beauchamp, M.S., Sun, P., Baum, S.H., Tolia, A. S., Yoshor, D. Gamma activity in temporoparietal junction mediates visual perception. Society for Neuroscience, 2012.
7. Basu Mallick, D., Nath, A.R., Beauchamp, M.S. Audiovisual phonetic identification training improves multisensory speech perception and increases fMRI responses in the superior temporal sulcus. Society for Neuroscience, 2012.
8. Baum, S.H., Beauchamp, M.S. Individual differences in older adults' behavioral and brain responses to McGurk stimuli. Society for Neuroscience, 2012.
9. Baum, S.H., Beauchamp, M.S. Increased Neural Variability during Multisensory Speech Perception in Older Adults. Organization for Human Brain Mapping, 2013.
10. Electrocorticography of visual cortex responses to multisensory speech. Schepers, I.M., Sun, P., Pei, X., Baum, S.H., Yoshor, D., Beauchamp, M.S. Organization for Human Brain Mapping, 2013.

11. McGurk Effect Perceivers Are More Likely to Fixate the Mouth of the Talker. Beauchamp, M.S., Walker, E., Gurler, D. Society for the Neurobiology of Language, 2013.
12. How common is the McGurk-MacDonald effect? Basu Mallick, D., Magnotti, J.F., Beauchamp, M.S. Society for the Neurobiology of Language, 2013.
13. Causal Inference in Multisensory Speech Perception. Magnotti, J.F., Ma, W.J., Beauchamp, M.S. Society for the Neurobiology of Language, 2013.
14. The representation of visual and somatosensory space in the superior colliculus of a human subject without an optic chiasm. Ress, D., Beauchamp, M.S., Purington, C., Tjan, B.S. The representation of visual and somatosensory space in the superior colliculus of a human subject without an optic chiasm. Vision Sciences Society, 2014.
15. Posterior superior temporal cortex differentially responds to clear and noisy audiovisual speech. Schepers, I.M., Yoshor, D., Beauchamp, M.S. Organization for Human Brain Mapping, 2014.
16. Electrocorticographic responses to synchronous and asynchronous audiovisual speech. Mohanty, D., Ozker, M., Yoshor, Beauchamp, M.S. Society for Neuroscience Annual Meeting, 2014.
17. Modeling McGurk perception: Effects of stimulus, culture, genetics, and time. Magnotti, J.F., Feng, G., Zhou, B., Zhou, W., Basu Mallick, D., & Beauchamp, M.S. Psychonomic Society Annual Meeting, 2014.
18. Variability and stability in perception of the McGurk effect. Basu Mallick, D., Magnotti, J.F., Beauchamp, M.S. Psychonomic Society Annual Meeting, 2014
19. Cortical activation patterns correlate with speech understand after cochlear implantation. Cristen Olds, Luca Pollonini, Homer Abaya, Jannine Larky, Megan Loy, Heather Bortfeld, Michael S. Beauchamp, John S. Oghalai. Neurobiology of Language Conference, 2015.

4. Books

Book chapters written

1. Beauchamp, M.S. Functional MRI for Cerebral Localization: Principles and Methodology. *Clinical Brain Mapping*, eds. Yoshor, D. and Mizrahi, E. New York: McGraw-Hill Medical (2012).
2. Beauchamp, M.S. Biological Motion and Multisensory Integration: The Role of the Superior Temporal Sulcus. *The Science of Social Vision*, eds. Adams, R., Ambady, N., Nakayama, K., and Shimojo, S. New York: Oxford University Press (2010).
3. Beauchamp, M.S. The anatomical organization of multisensory integration in the human brain. In *The New Handbook of Multisensory Processes (2nd edition)*, ed. Barry Stein. Cambridge: MIT Press (in press).

4. Yoshor, D. and Beauchamp, M.S. Studies of Human Visual Perception Using Cortical Electrical Stimulation. In *The Cognitive Neurosciences*, ed. Michael Gazzaniga. Cambridge: MIT Press (in press).
5. Beauchamp, M.S., Audiovisual Speech Integration, in *Neurobiology of Language*, eds. Hickok, G. and Small, S.L. New York: Elsevier (in press).

III. Teaching Information

A. Didactic course work

1. Courses taught at current institution: (include number of hours)

BCM Graduate School courses

Together with Dr. David Ress, I teach a two course series on neuroimaging. The first course, Fundamentals of Human Neuroimaging, is a didactic course. The second course, Advanced Functional Magnetic Imaging Laboratory is a combination of didactics and practical experience in collecting and analyzing fMRI data.

I served as a faculty group leader in the GSBS Ethics Course (Carolyn Smith, course director)

2. Courses taught at other institutions (include number of hours)

University of Texas Medical school courses:

Medical Neuroscience for 1st Year Medical Students (12 hours)

Medical Neuroanatomy for 1st Year Medical Students (6 hours)

University of Texas Graduate school courses:

Neuroanatomy (20 hours)

Introduction to fMRI (45 hours)

Introduction to Cognitive Neuroscience (4 hours)

Postdoctoral Certificate Program

Responsible Conduct of Research (2 hours)

Rice University Courses:

Neuroscience 308: Systems Neuroscience, David Dickman, course director (2 hours)

Psychology 203: Introduction to Cognitive Psychology. Tatiana Schnur, course director (2 hours)

B. Non-didactic teaching

1. Research Fellow training:

Siavash Pasalar, Ph.D. (2008 – 2011). Current position: HIV testing coordinator, Harris County Hospital District.

Inga Schepers, Ph.D. (2012 – 2013). Current position: Postdoctoral researcher, University of Oldenburg

Demet Gurler, Ph.D. (2013 – 2014). Current position: Postdoctoral research associate, University of Alabama at Birmingham.

John Magnotti, Ph.D. (2012 – present).

Johannes Rennig, Ph.D. (2015 – present).

2. Graduate Student training

i) Major advisor to the following graduate students (graduate program in parentheses).

Nafi Yasar, 2005 – 2009 (Rice Bioengineering). Current position: Technical Specialist, Tucker-Davis Technologies.

Dona Murphey, 2006 – 2009 (BCM MSTP). Epilepsy Fellowship Program, BCM.

Audrey Nath, 2008 – 2011 (UT MSTP). Residency in Pediatric Neurology, Massachusetts General Hospital.

Sarah Baum, 2010 – 2014 (UT GSBS). Postdoctoral Fellow, Vanderbilt University.

Debshila Basu Mallick, 2011 – present (Rice Psychology).

Muge Ozker Sertel, 2013 – present (UT GSBS).

Lin Zhu, 2014 – present (BCM MSTP).

ii) Committee member (primary mentor for the student and institution in parentheses)

Diego Gutnisky, 2008 (Valentin Dragoi, UT)

Manivannan Subramaniyan, 2008 – 2013 (Andreas Tolias, BCM)

Wen Zhou, 2009 – 2011 (Denise Chen, Rice)

Sara Haber Holcomb, 2009 – 2012 (Tatiana Schnur, Rice)

Lauren (Caitlin) Elmore, 2009 – 2011 (Anthony Wright, UT)

Sheshali Wanchoo, 2009 (Nachum Dafny, UT)

Anthony Passaro, 2009 (Anthony Wright, UT)

Chad Bircher, 2009 – 2011 (Yiping Shao, M.D. Anderson)

Mingbo Cai 2010 – present (David Eagleman, BCM)

Catherine Claussen, 2011 – 2012 (Nachum Dafny, UT)

Jonathan Flynn 2011 – present (Harel Shouval, UT)

Hongsup Shin 2012 – present (Weiji Ma, BCM & NYU)

Edgar Walker, 2013 – present (Andreas Tolias & Weiji Ma, BCM & NYU)

Jasdeep Sabharwal, 2013 – present (Samuel Wu, BCM)

Christopher P Walker, 2015 – present (Raymond Cho, UT)

C. Lectures: (include location, title of presentation, dates)

See section B4, above.

IV. Medical & Service Information

D. Administrative assignments

1. Department administration, committees, etc.

Director of Research, Department of Neurosurgery

Reporting Committee, Neuroscience Graduate Program

2. College, School or University administration, committees, etc.

Director, Core for Advanced Magnetic Resonance Imaging (CAMRI), one of the BCM Advanced Technology Cores (ATCs).

Previous service at University of Texas:

Medical School Information Technology committee (2006 - 2015)

Chair, Department of Neurobiology and Anatomy Seminar Committee (2011 – 2015)

Department of Neurobiology and Anatomy Finance Committee (2009 - 2015)

University of Texas/M.D. Anderson Graduate School of Biological Sciences Curriculum Committee (2012 - 2015)
Core Course Advisory Committee (2014 - 2015)
Co-director of Systems and Cognitive Neuroscience Track, Neuroscience Graduate Program (2011 - 2015)

F. Other pertinent information not given above

1. I have assisted in interviewing graduate student candidates and MD/PhD MSTP candidates for the UT/MD Anderson Graduate School of Biological Sciences (21 total candidates interviewed).
2. I have served as a judge for the Neuroscience Research Center Poster Session for 7 years.
3. I have served as a mentor for numerous summer students (undergraduate and medical students) enrolled in the UT Summer Research Program and medical students enrolled in the Scholarly Concentration in Neuroscience.
4. I have participated in outreach activities, such as Brain Awareness Night at the John P. McGovern Museum of Health & Medical Science; West University Elementary School Science Night; Harvard University Alumni Association EdX course MCB80x: Fundamentals of Neuroscience (David Cox, Course Director).
5. With Oleg Igoshin of Rice University, I organized the Howard Hughes Medical Institute Alumni of Texas.
6. I have regularly provided interviews to the news media on neuroscience topics (from last 3 years):

KTRK news radio 740 AM, story on reading and the brain by reporter Scott Crowder (2014)
KTRK ABC 13 News. Feature story on the neuroscience of New Year's resolutions by Christi Myers, HealthCheck Correspondent (2013)
News Radio 92.1 FM, Segment on Visual Prosthetics (2013)
SiriusXM Doctor Radio (National Call-In Radio Show). Host: Nieca Goldberg, M.D. (2013)

MedScape medical news wire service. Video interview on brain imaging in persistent vegetative state relevant to Ariel Sharon, former Israeli prime minister (2012)

April 3, KTHR Newsradio 740 AM, Segment on Brain-Computer Interfaces (2012)