CURRICULUM VITAE

NAME: Michael S. Beauchamp

PRESENT TITLE: Associate Professor with tenure
Department of Neurobiology and Anatomy
University of Texas Medical School at Houston
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ADDRESS: 3910 Southwestern Street
Houston, Texas 77005-4339

BIRTHDATE: December 15, 1970

CITIZENSHIP: U.S.A. and Canada (dual citizen)

UNDERGRADUATE EDUCATION:

1988-1992 Harvard University, Cambridge, MA.
A.B. *cum laude* in Biology, 1992

GRADUATE EDUCATION:

1992-1997 University of California, San Diego. San Diego, CA.
M.S. 1994 (Neurosciences), Ph.D. 1997 (Neurosciences)
co-advisors Edgar DeYoe, Thomas Albright

POSTGRADUATE TRAINING:

1997-2000 IRTA Fellow, Section on Functional Brain Imaging, Laboratory of Brain and Cognition, National Institute of Mental Health, Bethesda, Maryland. Advisor: James Haxby

2000-2005 Research Fellow, Section on Cognitive Neuropsychology, Laboratory of Brain and Cognition, National Institute of Mental Health, Bethesda, Maryland. Advisor: Alex Martin

ACADEMIC APPOINTMENTS:

July 2005-present	Assistant Professor, Department of Neurobiology and Anatomy, University of Texas Medical School at Houston
Sept 2005-present	Adjunct Professor, Departments of Psychology and Bioengineering, Rice University, Houston, Texas
Sept 2005-present	Special Volunteer, National Institute of Mental Health Intramural Research Program
April 2006-present	Adjunct Professor, Department of Neuroscience, Baylor College of Medicine, Houston, Texas
April 2007-Sept 2010	Adjoint Professor, Tri-Institutional Department of Biomedical Engineering, University of Texas
Jan 2011-Present	Member, UTHealth Consortium on Aging
Sept 2011-present	Associate Professor with tenure, Department of Neurobiology and Anatomy, University of Texas Medical School at Houston

PROFESSIONAL ORGANIZATIONS:

1991-present	Society for Neuroscience
1996-present	Organization for Human Brain Mapping
1997-present	Cognitive Neuroscience Society
2001-present	American Association for the Advancement of Science
2001-present	American Physiological Society
2001-present	Association for Psychological Science (formerly Am. Psych. Society)
2003-present	Vision Sciences Society

HONORS AND AWARDS:

1990 - 1992	Ford Foundation Fellowship for Undergraduate Research
1992 - 1997	Howard Hughes Medical Institute Predoctoral Fellowship
1993	Fellowship to the Cold Spring Harbor Course in Functional Neuroimaging
1996	Fellowship to the McDonnell Summer Institute in Cognitive Neuroscience
1999, 2000	NIH Fellows Award for Research Excellence
2002	Fellowship to the Burroughs Welcome Fund Course in Scientific Management
2010	Best Lecturer in Neuroscience, University of Texas Medical School

SERVICE ON NATIONAL AND INTERNATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, AND COMMITTEES:

2003 *ad hoc* reviewer, National Science Foundation Behavioral and Cognitive Sciences (NSF BCS) Division
2004 *ad hoc* reviewer, NSF BCS Division
NIH Special Emphasis Panel
2005 United Kingdom Medical Research Council *ad hoc* reviewer
2008 NIH Study Section on Biomedical Imaging Technology (BMIT)
2009 Department of Veteran's Affairs Neurodegenerative Diseases and Aging panel (RRD6) and Sensory Systems panel (RRD3)
2009 NSF BCS Review Panel
2010 Hong Kong National Science Research Program
NIH Special Emphasis Panel ZRG1 IFCN-E (04) M
Chair-Elect, Education Committee, Organization for Human Brain Mapping
Member, Program Committee, Organization for Human Brain Mapping
European Research Program Reviewer
2011 Chair, Education Committee, Organization for Human Brain Mapping
Member, Program Committee, Organization for Human Brain Mapping

Ad hoc reviewer for the following journals

Brain and Language
Cerebral Cortex
Cognitive Brain Research
Cognitive Neuropsychology
Computers in Medicine and Biology
Current Biology
European Journal of Neuroscience
Experimental Brain Research
Frontiers in Neuroscience
Human Brain Mapping
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: General
Journal of Neuroscience
Learning and Memory
Nature
Neuroscience Letters
Nature Neuroscience
Neuroimage
Neuron (24 manuscripts)
Neuropsychology
Neuropsychologia
Proceedings of the National Academy of Sciences
Psychiatry Research: Neuroimaging
Psychological Science
Psychonomic Bulletin & Review

OTHER NATIONAL AND INTERNATIONAL ACTIVITES:

2000 Invited Speaker, Educational Program, Organization for Human Brain Mapping Annual Meeting. San Antonio, Texas.

2002 Organizing Committee, "fMRI Experience IV" Conference (Bethesda, MD)

2003 Organizing Committee, "fMRI Experience V" Conference (London, UK)

2004 Invited Speaker, Symposium on Multisensory Integration and Human Cortical Object Recognition. International Multisensory Research Forum (Barcelona, Spain).

2005 Keynote Speaker at International Symposium on Imaging the Brain--From Bench to Bedside (Hakone, Japan)

2006 Invited Speaker, 34th NIPS Meeting, SEIRIKEN / SOKENDAI International Symposium on Cross-modal integration and plasticity: multidisciplinary approaches using noninvasive functional neuroimaging techniques (Okazaki, Japan)

Invited Speaker, 7th Annual IEEE Conference on Automatic Face and Gesture Recognition (Southampton, UK)

Member, Scientific Advisory Board, Organization for Human Brain Mapping Annual Meeting

Invited Speaker, 4th Annual Workshop on the Analysis of Functional Images (Pisa, Italy)

2009 Featured Symposium Speaker, American Epilepsy Society (Boston, MA)

2010 Featured Symposium Speaker, Association for Chemoreception Sciences (St. Petersburg, FL)
Invited speaker, International Conference on Reverse Engineering the Brain (Dubrovnik, Croatia)
Organizer, AFNI Boot Camp, International Workshop on fMRI analysis (64 attendees)

INVITED LECTURES AT UNIVERSITIES AND RESEARCH INSTITUTES (Since 2001):

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 Opthalmology 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 Opthalmology Seminar, University of Texas Medical School

2008 UCSF/Integra Neurosciences Workshop on Electrocorticography
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)

SERVICE ON UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES:

Medical School Information Technology Committee (2006 – present)

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:

Nafi Yasar	2005 - 2009
Dona Murphey	2006 – 2009
Audrey Nath	2008 – present
Sarah Baum	2010 – present

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

Siavash Pasalar, Ph.D.	2008 – present

TEACHING RESPONSIBILITIES AND DEPARTMENTAL SERVICE AT THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON:

2005 Lecturer (2 lectures), University of Texas Graduate School of Biomedical Sciences (UT GSBS) GS 140021: Neurobiology of Disease
Lecturer, UT GSBS GS 140611: Current Topics in Neuroscience

2006 Course director UT GSBS GS 0023 (also cross-listed as Rice Psychology 471/571 and Rice Bioengineering 471), "Introduction to fMRI". Developed curriculum and instructed 20 students in hands-on fMRI course.
Lecturer (2 lectures) UT GSBS GS 140611: Systems Neuroscience
Lecturer, UT GSBS GS 140611: Current Topics in Neuroscience

2007 UT Medical School (MS-1) Neuroscience Block 1, Human Functional Neuroimaging
Lecturer, UT GSBS GS 140611: Current Topics in Neuroscience

2008 Course director UT GSBS GS 0023 (also cross-listed as Rice University Psychology 571 and Rice Bioengineering 571 and Baylor College of Medicine GS-NE-439), "Introduction to fMRI".

2009 Laboratory Instructor, MS-1 Medical Neuroanatomy Laboratory (12 Laboratories)
Exam Proctor, MS-1 Neuroscience
Lecturer (2 lectures) UT GSBS GS 140611: Systems Neuroscience
Lecturer, UT GSBS GS 140611: Current Topics in Neuroscience

2010 Course director UT GSBS GS 0023 (also cross-listed as Rice University Psychology 571 and Rice Bioengineering 571 and Baylor College of Medicine GS-NE-439), "Introduction to fMRI".
Laboratory Instructor, MS-1 Medical Neuroanatomy Laboratory (12 Laboratories)
Lecturer, MS-1 Medical Neuroanatomy Laboratory (7 Lectures)
Exam Proctor, MS-1 Neuroscience
Lecturer (6 lectures) UT GSBS GS 140012: Introduction to Cognitive Neuroscience
Co-director, Track in Cognitive and Systems Neuroscience, Neuroscience Graduate Program

Member, Committee on Joint UT/Rice Graduate Cognitive Neuroscience Program

Organizer, AFNI Short Course. Week-long short course for 65 faculty, post-doctoral fellows and students. See http://openwetware.org/wiki/Beauchamp:ShortCourse2010 for details.

OTHER EDUCATIONAL, OUTREACH AND MENTORING ACTIVITIES:

1996 Teaching Assistant, Integrated Medical Neuroscience, Medical College of Wisconsin, Milwaukee, Wisconsin.

2001-2004 Guest Lecturer, *Functional Neuroimaging and Cognition*. Georgetown University SC-523/NSC-217. Course director: Guinevere Eden.

1997-2004 Instructor, 'Functional Magnetic Resonance Imaging: An Introductory Course', Medical College of Wisconsin. Course director: Stephen Rao. Lectured on multiple regression and deconvolution as tools for analysis of fMRI time series for an international group of course participants. Led small group workshops on the use of AFNI for analysis of fMRI data. Course is held in the spring and fall of each year.

2000 – 2006 Instructor, American Psychological Association Advanced Training Institute on fMRI. Course is held once each year. Course director: Robert Savoy.

1997 – 2006 Instructor and Curriculum Consultant, fMRI Visiting Fellowship Program, Massachusetts General Hospital. Intensive instruction and hands-on experimental

design, data acquisition and analysis for thirty to forty students per class. Course director: Robert Savoy. Course is held three times per year.

2002-2004 Course director and Primary Instructor, *Experimental Cognitive Neuroscience: fMRI and More*. Biology 411, Foundation for Advanced Education in the Sciences Graduate School at the National Institutes of Health.

2005 Lecturer, Rice University Biomedical Engineering 551 "Introduction to Bioengineering"
Lecturer, Rice University Psychology 667 "Cognitive Neuroscience II"
UT Neuroscience Research Center Annual Poster Day Poster Judge

2006 Mentor, University of Texas Summer Undergraduate Research Program. Mentees Allison Mackey, Department of Psychology, Queens University; Eszter Zavodszky, Department of Psychology, University of Michigan.
UT Neuroscience Research Center Annual Poster Day Poster Judge
UT GSBS Rotation Advisor, Vaibhav Juneja, Dan Babcock, Shilpa Gandhi, Audrey Nath.
Lecturer, Rice University Biomedical Engineering 551 "Introduction to Bioengineering"
Mentor, Rice University Undergraduate Research Program. Neel Kishan, mentee.
Mentor, Rice University Undergraduate Research Program. Nancy Lin, mentee.
University of Texas Graduate School of Biomedical Sciences Graduate School Education Committee annual poster judge

2007 Lecturer, Rice University Psychology 667 "Cognitive Neuroscience II"
Lecturer, Rice University Biomedical Engineering 551 "Introduction to Bioengineering"
Examination Committee, Anne Netek, UT GSBS Graduate Student
Examination Committee, Brian Kalmbach, UT GSBS Graduate Student
Examination Committee, Diego Gutnisky, UT GSBS Graduate Student
Presenter, Brain Awareness Night, McGovern Museum of Health & Medical Science

2008 Thesis Committee, Diego Gutnisky, UT GSBS Graduate Student
Mentor, Rice University Century Scholars Undergraduate Excellence Program. Molly Bryan, mentee.
Thesis Committee, Manivannan Subramaniyan, Baylor College of Medicine Department of Neuroscience Graduate Student
Examination committee, Lauren (Caitlin) Elmore, UT GSBS Graduate Student
Examination Committee, Bryan Hansen, UT GSBS Graduate Student
Presenter, Brain Awareness Night, McGovern Museum of Health & Medical Science
KTRK ABC 13 News. Feature story on fMRI of neuroeconomics by Christi Myers, HealthCheck Correspondent

http://picasaweb.google.com/MICHAEL.S.BEAUCHAMP/Channel13News

2009 Guest Lecturer, Rice University Psychology 667 "Cognitive Neuroscience II"
Guest Lecture, Rice University Psychology 203 "Introduction to Cognitive Psychology."
Mentor, University of Texas Medical School Summer Research Program. John Westley Ohman, mentee.
Thesis Committee, Wen Zhou, Rice University Department of Psychology
Thesis Committee, Sara Haber Halcomb, Rice University Department of Psychology
Presenter, Brain Awareness Night, McGovern Museum of Health & Medical Science
Thesis Committee, Lauren (Caitlin) Elmore, UT GSBS Graduate Student
Examination committee, Anthony Passaro, UT GSBS Graduate Student
Advisory Committee, Sheshali Wanchoo, UT GSBS Graduate Student
Advisory Committee, Lauren (Caitlin) Elmore, UT GSBS Graduate Student
Advisory Committee, Anthony Passaro, UT GSBS Graduate Student
Advisory Committee, Chad Bircher, UT GSBS Graduate Student (MD Anderson)
West University Elementary School Science Night
Created brain education display for 550 elementary school children.
KTRK ABC 13 News. Feature story on fMRI and depression by Christi Myers, HealthCheck Correspondent

2010 Presenter, Brain Awareness Night, McGovern Museum of Health & Medical Science
West University Elementary School Science Night; Organized medical school volunteers for 550 elementary school children.
Guest Lecture, Rice University Psychology 203 "Introduction to Cognitive Psychology."
Speaker, "Scientist for a Day"; science outreach program for at-risk 4th graders
Advisory Committee, George Heberton, MS1, Scholarly Concentration in Neuroscience
Poster judge, REU Summer Undergraduate Research Experience poster competition
Mentor, Adam Burch, REU summer undergraduate program participant

2011 Presenter, Brain Awareness Night, McGovern Museum of Health & Medical Science
West University Elementary School Science Night; Organized medical school volunteers for 550 elementary school children.
Guest Lecture, Rice University Psychology 203 "Introduction to Cognitive Psychology." (Tatiana Schnur, Course Director)
Guest Lecturer, Rice University Psychology 330 "Biopsychology" (Timothy Ellmore, Course Director)
Qualifying Examination Committee Member for Mingbo Cai, Baylor College of Medicine Graduate Program in Neuroscience (Eagleman Lab)

CURRENT GRANT SUPPORT

National Institutes of Health, National Institute of Neurological Diseases and Stroke
Grant Number R01 NS065395 (February 1, 2010 – January 31, 2015)
Title: Neural Mechanisms of Optimal Multisensory Integration
Role: Principal Investigator

National Institutes of Health, National Institute on Deafness and Other Communication Disorders
Grant Number R56 DC-010164 (August 1, 2010 – July 31, 2011); no-cost extension until July 2012
Title: Translation of near-infrared spectroscopy for use in clinical neuroimaging of deaf children after cochlear implantation.
Role: Co-Investigator (PI: John Oghalai, MD)

Veterans Administration Clinical Science Research and Development Merit Award
Grant Number 1I01CX000325-01A1 (April 1, 2011 – March 31, 2014)
Title: Mechanism of Rapid Object Recognition in Human Ventral Temporal Cortex
Role: Co-investigator (PI: Daniel Yoshor, MD)

National Institutes of Health, National Institute of Mental Health
Grant Number 1R01MH091038-01A (September 1, 2011 – August 31, 2012)
Title: Memory Processing and Cortical Plasticity
Role: Co-investigator (PI: Anthony Wright, PhD)

PAST GRANT SUPPORT

National Science Foundation Cognitive Neuroscience Initiative
Proposal 0642532 (September 1, 2007 – August 31, 2011)
Title: Collaborative Research: Multisensory Influences on Touch Perception--fMRI, MEG and TMS Studies
Role: Principal Investigator
$427,560 in direct and indirect costs.

University of Texas Startup Funds (July 2005 – June 2009)

University of Texas Clinical and Translational Sciences Pilot Award
Rapid Sensory Processing in Well and Poorly Compensated Young Adults with Dyslexia
(October 1, 2007 – October 1, 2009)
Role: Co-investigator (Richard Frye, MD, PhD, Principal Investigator)
$50,000

University of Texas Clinical and Translational Sciences Pilot Award
The Anatomic and Physiologic Connectivity of Eloquent Language Regions
(October 1, 2007 – October 1, 2009)
Role: Co-investigator (Nitin Tandon, MD Principal Investigator)
$50,000

PUBLICATIONS:

A. Refereed Original Research Articles in 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 Neuroscienc*e, 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.

B. Invited Articles

1. Beauchamp, M.S.: Functional MRI for beginners. *Nature Neuroscience* 5: 397-398, 2002.

2. Beauchamp, M.S.: See me, hear me, touch me: multisensory integration in lateral occipital-temporal cortex. *Curr Opin Neurobiol* 15: 145-153, 2005.

C. Chapters

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.

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. Published November, 2010.

3. Beauchamp, M.S. The anatomical organization of multisensory integration in the human brain. In *The New Handbook of Multisensory Processes*, ed. Barry Stein. Cambridge: MIT Press.

D. Selected Abstracts

1. Doya, K., Boyle, M.E.T., Beauchamp, M.S., and Selverston, A.I.: Computational modeling of the musculoskeletal system of the lobster gastric mill. Soc Neurosci Abstr 19: 1602, 1993.

2. Beauchamp, M.S., and Selverston, A.I.: Effects of inferior ventricular nerve stimulation on gastric mill and pyloric central pattern generators in spiny lobster. Soc Neurosci Abstr 20: 1413, 1994.

3. Beauchamp, M.S., and DeYoe, E.A.: FMRI of human visual cortex: selective activation by motion-defined figures. Proc Soc Magn Reson Med 3: 853, 1995.

4. Beauchamp, M.S., and DeYoe, E.A.: FMRI reveals feature-specific attentional modulation of area MT, V3/V3A and parietal visual areas. Soc Neurosci Abstr 21: 1760, 1995.

5. Beauchamp, M.S., and DeYoe, E.A.: FMRI of human and parietal and occipital areas for processing visual motion and their graded modulation by spatial and featural attention. Soc Neurosci Abstr: 1198.1193, 1996.

6. Beauchamp, M.S., and DeYoe, E.A.: Brain areas for processing motion and their modulation by selective attention. NeuroImage 3: S245, 1996.

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