

CURRICULUM VITAE

NAME: Sarah Haller Baum

PRESENT TITLE: Graduate Research Assistant
Department of Neurobiology and Anatomy
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CITIZENSHIP: U.S.

UNDERGRADUATE EDUCATION:

2005 - 2009 College of William and Mary, Williamsburg, VA.
B.S. in Neuroscience (with Honors)

GRADUATE EDUCATION:

2009 - present University of Texas Health Science Center at Houston,
Graduate School of Biomedical Sciences, Houston, TX.
Ph.D. in Neuroscience
Advisor: Michael Beauchamp
Working Thesis Title: Neural Mechanisms of
Audiovisual Speech Perception
Expected graduation: Summer 2013

PROFESSIONAL ORGANIZATIONS

2010 - present Society for Neuroscience
2011 - present Organization for Human Brain Mapping
2011 - present Society for the Neurobiology of Language

HONORS AND AWARDS:

2011 - present Gulf Coast Consortia Theoretical and Computational
Neuroscience Pre-doctoral Fellowship

- 2012 Neuroscience Research Center Brain Awareness
Outreach Award
- 2012 GSBS Student Travel Award

SERVICE ON UNIVERSITY OF TEXAS HOUSTON COMMITTEES:

Outreach program, Coordinator (2010 - present)
Outreach representative, Student Affairs Committee (2012 - present)
Member, Graduate School Recruitment Council (2012 - present)

**OTHER EDUCATIONAL, OUTREACH AND MENTORING
ACTIVITIES:**

- 2013 Teaching Assistant, *Neuroanatomy*, laboratory section
(2011, 2013) UT Houston Dental Branch. Course
director: Dr. Jack Waymire.
Taught lab section of 8 dental students gross
neuroanatomy using wet brain specimens.
- 2012 Guest Lecturer, *Introduction to fMRI*. UT Houston
Graduate School of Biomedical Sciences. Course
director: Dr. Michael Beauchamp.
Taught lecture to 15 graduate students on common
pitfalls for first time fMRI researchers.
Co-chair, *Multisensory Integration in Healthy and
Clinical Populations* nanosymposium. Society for
Neuroscience Annual Meeting.
Co-organized and moderated nanosymposium with
Dr. Ryan Stevenson (Vanderbilt University).
Guest Lecturer, *Neuroscience*. Kinkaid School. Course
director: Dr. Craig Bowe.
Taught lecture to 25 high school students about
general principles of multisensory integration and
current research in the field.
Coordinator, National Youth Leadership Forum seminar
Designed and led seminar on computers and
neuroscience research for 30 high school students
interested in medical careers.
Coordinator, ProjectGRAD (2010-present)

- Designed and taught lessons on sensory systems & cow eye dissection to 35 at-risk high school students during two week biology academy.
- Volunteer, Brain Awareness Night, Children's Museum of Houston (2010-present)
- Presented human wet brain specimen to approximately 200 children and their families, aged 3-12yrs.
- 2011 Speaker Host for Neuroscience Student Invited Speaker, Neurobiology & Anatomy Seminar Series
Hosted and introduced Dr. Robert Zatorre, McGill University
Coordinator, AP Biology Tour
Organized lab tours and Q&A session for 30 AP Biology high school students.
- 2010 Coordinator, Scientist for a Day
Hosted 25 fourth grade students at Texas Medical Center who completed 3 simple experiments with graduate students.
Science Fair Judge, Brookline Elementary
Judged approximately 30 posters from second through fifth grade classes.
- 2009 Volunteer, Science Fridays, Brookline Elementary
Taught science lessons to fourth grade students once a month for the fall semester.

PUBLICATIONS:

A. Refereed Original Articles in Journals

1. Baum, S.H., Martin, R.C. Hamilton, A.C. and Beauchamp, M.S. Multisensory Speech Perception Without the Left Superior Temporal Sulcus. *NeuroImage* 62(3): 1825-32, 2012. doi: 10.1016/j.neuroimage.2012.05.034
2. Beauchamp, M.S., Sun, P., Baum, S.H., Tolia, A. and Yoshor, D. Electrocorticography links human tempoparietal junction to visual perception. *Nature Neuroscience* 15(7): 957-9, 2012. doi: 10.1038/nn.3131

B. Abstracts

1. Baum, S., and Beauchamp, M.S. (2012). Individual differences in older adults' behavioral and brain responses to McGurk stimuli. Talk given at *Society for Neuroscience Annual Meeting*, New Orleans, LA.
2. Beauchamp, M., Sun, P., Baum, S.H., Tolia, A.S., and Yoshor, D. (2012). Gamma activity in tempoparietal junction mediates visual perception. Poster presented at *Society for Neuroscience Annual Meeting*, New Orleans, LA.
3. Schepers, I.M., Sun, P., Pei, X., Baum, S.H., Yoshor, D., and Beauchamp, M.S. (2012) Auditory speech diminishes gamma-band responses in visual cortex to visual speech. Poster presented at *Society for Neuroscience Annual Meeting*, New Orleans, LA.
4. Baum, S., Hamilton, C., Martin, R., and Beauchamp, M. (2012). Multisensory Speech Perception Without the Left Superior Temporal Sulcus. Poster presented at *Human Brain Mapping Annual Meeting*, Beijing, China.
5. Baum, S., Hamilton, C., Martin, R., and Beauchamp, M. (2012). Multisensory Speech Perception Without the Left Superior Temporal Sulcus. Talk given at *Gulf Coast Consortia Theoretical and Computational Neuroscience Annual Conference*, Houston, TX.
6. Baum, S., Nath, A., Hamilton, C., Martin, R., and Beauchamp, M. (2011). An aphasic patient with damage to left STS but preserved McGurk effect. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, D.C.
7. Baum, S., Nath, A., Hamilton, C., Martin, R., and Beauchamp, M. (2011). An aphasic patient with damage to left STS but preserved McGurk effect. Poster presented at *Society for Neurobiology of Language Conference*, Annapolis, MD.
8. Wright, A., Katz, J., Elmore, C., Magnotti, J., Rivera, J., Carolus, A., and Baum, S.H. (2010). Rapid Change Detection Learning. Poster presented at *Comparative Cognition Conference*, Melbourne, FL.