

*Curriculum Vitae*

# Meghan A. Clayards

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**Citizenship:** Canadian

**DOB:** Aug 5, 1979

## Education

	<b>University of Rochester</b>	<b>Rochester, NY, USA</b>
Dec 2007	<i>PhD in Brain and Cognitive Sciences</i>	
Expected	Thesis: Optimal integration of acoustic cues for word recognition	
	<b>University of Rochester</b>	<b>Rochester, NY, USA</b>
May 2006	<i>MA in Brain and Cognitive Sciences</i>	
	<b>University of Victoria</b>	<b>Victoria, BC, Canada</b>
Nov 2001	<i>BSc in Linguistics, Honours with Distinction</i>	

## Research Interests

- Speech perception
- Word recognition
- Cue integration and temporal asynchrony
- Bilingual and L2 speech perception

## Research Experience

2002 – present	<b>Doctoral Student</b> <b>University of Rochester, Dept. of Brain &amp; Cognitive Sciences</b> Worked on projects involving semi-automated acoustic analysis, speech synthesis, cross-splicing and segmenting, collected and analyzed data on forced choice responses, eye-movements and language production. Supervisors: Dr. Michael Tanenhaus and Dr. Richard Aslin
2001	<b>Research Assistant</b> <b>University of Victoria, Linguistics Dept.</b> Conducted acoustic analysis of prominence on Salish language field data. Supervisor: Dr. Ewa Czaykowska-Higgins
2000-2001	<b>Research Assistant</b> <b>University of Victoria, Psychology Dept.</b> Scheduled subjects, ran experiments and coded responses for a gesture task. Supervisor: Dr. Michael Masson

## Teaching & Mentoring Experience

- Summer 2006 *Development of Mind and Brain*, University of Rochester  
Co-instructor, presented lectures and led class discussion with Dr. Mathew Dye.
- Oct 2006 *Foundations of Cognitive Science*, University of Rochester  
Guest lecture on Audition, Instructor Dr. Rebecca Achtman
- Sept 2006 *Introduction to Language Sound Systems*, University of Rochester  
Guest lecture on Acoustic Phonetics, Instructor, Dr. Joyce McDonough
- Summer 2005 Supervised the work of an undergraduate research assistant
- Fall 2004, 05 *Language and Psycholinguistics*, University of Rochester  
Teaching assistant, led review sessions, prepared and marked exams, gave two lectures
- Spring 2004 *Language Development*, University of Rochester  
Teaching assistant, led review sessions

## Community Service

- Sept 2006 – present Member of MadSci Network (madsci.org)  
Researching and writing answers to scientific questions from the public on a range of topics from ultrasound to reading.
- Oct 2005, 06 60 Second Science Saturdays  
Volunteered and organized volunteers for child and parent science exploration days at the Rochester Museum and Science Centre.

## Publications

Clayards, M, Tanenhaus, M.K., Aslin, R.N., Jacobs, R.A (submitted) Sensitivity to within category variability supports a Bayesian model of speech perception.

Aslin, R.N., Clayards, M.A, Bardhan, N.P., (in press) Mechanisms of auditory development: From sounds to words. In C. Nelson Ed. *Handbook of Developmental Cognitive Neuroscience, Second Edition*.

McMurray, B., Clayards, M., Tanenhaus, M.K., Aslin, R.N., (in prep) Tracking the timecourse of phonetic cue integration during spoken word recognition.

## Peer Reviewed Conference Presentations

Clayards, M., Aslin, R.N., Tanenhaus, M.K., Jacobs, R.A. (2007, August) Within category phonetic variability affects perceptual uncertainty. *International Congress of Phonetic Sciences*, Saarbruken, Germany.

Clayards, M., Tanenhaus, M.K., Aslin, R.N. (2006, June) Integration of multiple cues based on experience with variation. Poster presented at the *10<sup>th</sup> Conference on Laboratory Phonology*, Paris, France.

Berger, M.A., Clayards, M., Bardhan, N., McDonough, J., (2006, June) Automated measurement of nasality over time in vowels. Poster presented at the *151st meeting of the Acoustical Society of America*, Providence, RI.

Clayards, M.A., Aslin, R.N., Tanenhaus, M.K. (2005, June) Experience mediated cue integration. Poster presented at the *ISCA workshop on Plasticity in Speech Perception*, London, UK.

Clayards, M., McMurray, B., (2005, November) Can the temporal unfolding of gradient lexical activation reveal the grain of phonological units? Paper presented at the *11<sup>th</sup> Annual Mid Continental Workshop on Phonology*, Ann-Arbor, MI.

McMurray, B., Clayards, M.A., Aslin, R.N., and Tanenhaus, M.K. (2004, May) Gradient sensitivity to acoustic detail and temporal integration of phonetic cues. Poster presented at the *75th meeting of the Acoustical Society of America*, New York, NY.

## References

### **Prof. Michael K. Tanenhaus**

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### **Prof. Richard N. Aslin**

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### **Prof. Joyce McDonough**

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