

# ALINA LARSON

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## EDUCATION

### **University of California, Santa Cruz – Fall 2014 - Present**

*Ph.D. student, Cognitive Psychology Program*

### **Lewis & Clark College, Portland, OR – Fall 2008 - Spring 2012**

*B.A., magna cum laude, Psychology & Foreign Languages*

## RESEARCH EXPERIENCE

### **Graduate Researcher, UC Santa Cruz – Fall 2014 - Present**

Worked in Dr. Nicolas Davidenko's perception lab my first year, designing and conducting behavioral studies of visual and auditory communication. Examined how auditory and visual cues influence whether speech is interpreted as sincere or sarcastic.

Working with Dr. Jean E. Fox Tree in the spontaneous communication lab starting my second year, investigating the perception of discourse markers in human as well as machine speech.

### **Graduate Research Assistant, UC Berkeley – Fall 2012 - Summer 2014**

Worked in Dr. Mark D'Esposito's cognitive neuroscience lab, helping to conduct several studies, coordinating and scheduling subjects for TMS and fMRI sessions, assisting in data collection and analysis, and reviewing literature.

### **Undergraduate Investigator, Lewis and Clark College – Spring 2012**

Conducted an extensive literature review on the topic of stress and addiction for a capstone Neuroscience course and presented my findings to the class.

### **Undergraduate Co-Investigator, Lewis and Clark College – Fall 2011**

Performed IP injections of saline and caffeine in rats with a group and coded their behavior in Open Field and Elevated Zero Plus Maze tests. Conducted an independent literature review and wrote a paper presenting our findings.

### **Undergraduate Co-Investigator, Lewis and Clark College – Fall 2011**

Worked with a small group to study salivary cortisol levels of the school's crew team on weeks either preceding a practice or competition race. Analyzed samples with an enzyme-linked immunosorbent assay (ELISA). Presented findings with group.

### **Undergraduate Researcher, Lewis and Clark College – Fall 2009**

Designed and administered a 32-question survey to 78 student participants. Performed an in-depth literature review on parent-child emotional closeness with respect to parental marital status. Analyzed data using SPSS, conducting several ANOVAs. Presented findings at a college poster convention with other Psychology students.

## **PUBLICATIONS**

Rahnev, D., Nee, D.E., Riddle, J., **Larson, A.S.**, D'Esposito, M. (2016). Causal evidence for frontal cortex organization for perceptual decision making. *Proceedings of the National Academy of Sciences of the United States of America*, 113(21), 6059-6064.

## **PRESENTATIONS AT PROFESSIONAL MEETINGS**

**Larson, A.**, Collins, J., Davidenko, N. (2015, July). "No way!": Similar contribution of visual and auditory cues to sarcasm comprehension. Poster presented at the 37th Annual Conference of the Cognitive Science Society. Pasadena, California USA.

Rahnev, D., **Larson, A.**, D'Esposito, M. (2015, February). Prefrontal cortex and perception: A TMS-fMRI study. Poster presented at the 26th Annual Bay Area Vision Research Day. Berkeley, California USA.

Rahnev, D., **Larson, A.**, D'Esposito, M. (2014, April). Distinguishing three prefrontal processes in perceptual decision-making: A TMS-fMRI study. Poster. *Cognitive Neuroscience Society (CNS)*.

Rahnev, D., **Larson, A.**, D'Esposito, M. (2013, November). Causal mapping of lateral prefrontal regions to separate stages of perceptual decision-making. Nano-symposium talk. *Society for Neuroscience (SfN)*.

## **TEACHING EXPERIENCE**

### **Dance Instructor and Assistant, East Bay Waltz – 2014 - Present**

I help teach ballroom dance (rotary waltz, cross-step waltz, polka, choreographed folk dances)

### **Presentation, UC Santa Cruz – Spring 2016**

Second Year Research Presentation, "Discourse Markers and Voice Type"

### **Teaching Assistant, UC Santa Cruz – Spring 2016**

Teaching assistant, bi-weekly section presentations for Research Methods with Dr. Cassidy Sterling

### **Guest Lecturer, UC Santa Cruz – Spring 2016**

Lecture on APA style, Psychology 100: Research Methods with Dr. Cassidy Sterling

### **Teaching Assistant, UC Santa Cruz – Winter 2016**

Teaching assistant, bi-weekly section presentations for Cognition with Dr. Margaret Wilson

### **Guest Lecturer, UC Santa Cruz – Winter 2016**

Lecture on Implicit Memory, Psychology 20A: Cognition with Dr. Margaret Wilson

### **Teaching Assistant, UC Santa Cruz – Fall 2015**

Teaching assistant, bi-weekly section presentations for Psych & Religion with Dr. Ralph Quinn

### **Teaching Assistant, UC Santa Cruz – Summer 2015**

Teaching assistant, bi-weekly section presentations for Research Methods with Dr. Faye Crosby

**Presentation, UC Santa Cruz – Spring 2015**

First Year Research Presentation, "Multimodal Markers of Ambiguous Sarcasm"

**Teaching Assistant, UC Santa Cruz – Spring 2015**

Teaching assistant, bi-weekly section presentations for Perception with Dr. Nicolas Davidenko

**Teaching Assistant, UC Santa Cruz – Winter 2015**

Teaching assistant, bi-weekly section presentations for Statistics with Dr. Audun Dahl

**Guest Lecturer, UC Santa Cruz – Spring 2015**

Lecture on Chemical Senses, Psychology 121: Perception with Dr. Nicolas Davidenko

**Director's Assistant, Berkeley Russian School – 2012 - 2014**

Kept track of school schedule and library. Subbed in for teachers as needed.

**Foreign Language Tutor, Lewis and Clark College – 2008 - 2012**

Met with students studying French and Russian, and helped them prepare for tests as well as practice conversation and pronunciation.

**SKILLS****Computer:**

Experience with Python, MATLAB, SPSS, SuperLab, Brainsight, Microsoft Office, Acrobat, Photoshop, Google Apps, Audacity, Mac and PC. Typing speed: 80wpm.

**Certifications:**

Certified by OHSU to handle and work with rats, CPR certified (March 2013 - 2015), certified in the use of Transcranial Magnetic Stimulation and Magnetic Resonance Imaging at the Brain Imaging Center of UC Berkeley.

**Languages:**

Advanced French (7 years), advanced Russian (4 years).

**HONORS AND AWARDS AT LEWIS AND CLARK COLLEGE**

2012 - Present	<i>Phi Beta Kappa</i>
2012 - Present	<i>Psi Chi</i>
2010 - 2012	<i>Pamplin Corporation Scholarship</i>
2008 - 2012	<i>Dean's List.</i>