

## ABBREVIATED CURRICULUM VITAE 1/08

### Tracy Love-Geffen

**San Diego State University**  
School of Speech, Language & Hearing Sciences  
5500 Campanile Drive, 1518  
San Diego, California 92182-1518  
Phone: 619-594-6354 FAX: 619.594.7109  
E-mail: tlove@mail.sdsu.edu

## EDUCATION

B.A.	Brandeis University	May 1991 (Psychology)
M.A.	University of California San Diego	December 1994 (Psychology)
Ph.D.	University of California San Diego	June 1998 (Psychology: Cognitive)

**Dissertation title:** *The processing of dependency relationships.*

## PROFESSIONAL EXPERIENCE

<b>San Diego State University</b> <i>School of Speech, Language &amp; Hearing Sciences</i>	Associate Professor	2005 - present
<b>University of California San Diego</b> <i>Department of Psychology</i>	Research Scientist (Assoc. II)	2007 – present
<b>SDSU/UCSD Joint Doctoral Program in</b> Language & Communicative Disorders	Member, Faculty	2005 – present
<b>University of California San Diego</b> <i>Department of Psychology</i>	Research Scientist (Asst. V)	2005 - 2007
<b>University of California San Diego</b> <i>Department of Psychology</i>	Project Scientist (Asst. IV)	1999 – 2005
<b>The Salk Institute for Biological Sciences,</b> <i>Laboratory for Cognitive Neuroscience</i>	Research Associate	1998 –2000
<b>Univ. of Arizona, Tucson</b> <i>Center for Neurogenics</i> <i>and Communicative Disorders</i>	Postdoctoral Fellow (NIH)	1998 – 2000
<b>University of California San Diego,</b> <i>Department of</i> <i>Psychology</i>	Post Graduate Research Scientist	1998 – 1999
<b>The Salk Institute for Biological Sciences</b> <i>Laboratory for Cognitive Neuroscience</i>	Graduate Research Scientist	1996 –1998
<b>The Aphasia Research Center</b> <i>Boston University Medical School</i>	Research Assistant	1991 – 1993

## SCHOLARLY PUBLICATIONS AND PRESENTATIONS

### PEER REVIEWED SINCE 2000

- Hickok, G., **Love-Geffen, T.**, Klima, E. (2002). Left Temporal Lobe Supports Sign Language Comprehension. Brain and Language, 82, p167-178.
- Love, T.**, Swinney, D., Wong, E., Buxton, R. (2002). Perfusion Imaging and Stroke: a more sensitive measure of the Brain Bases of Cognitive Deficits. Aphasiology, 16 (9), 873-883.
- Love, T** and Oster, E. (2002). On the categorization of Aphasic typologies: The S.O.A.P, A test of syntactic complexity. Journal of Psycholinguistic Research, 31 (5), 503-529.
- Love, T**, Maas, E and Swinney, D. (2003). The influence of language exposure on lexical and syntactic language processing. Special Issue on Bilingualism. Heredia, R. (Ed.). Experimental Psychology, 50 (4), 204-216.
- Humphries, C., **Love, T.**, Swinney, D., Hickok, G. (2005). Response of Anterior Temporal Cortex to Syntactic and Prosodic Manipulations During Sentence Processing. Human Brain Mapping, v26 (2), p128-138.
- Ullman, M., Izvorski, R, Love, T., Yee, E., Swinney, D. and Hickok, G. (2005). The Role of Grammar and Lexicon in the Computation of Inflection in Anterior and Posterior Aphasia. Brain and Language, 93, p185-238.

- Buchsbaum, B., Pickell, B., **Love, T.**, Hatrak, M., Bellugi, U., Hickok, G. (2005). Neural Substrates for Verbal Working Memory in Deaf Signers: fMRI Study and Lesion Case Report. Brain and Language, *95*, 265-272.
- Pickell, H., Klima, E., **Love, T.**, Kritchevsky, M., Bellugi, U and Hickok, G. (2005). Sign language aphasia following right hemisphere damage in a left-hander: A case of reversed cerebral dominance in a deaf signer? Neurocase, *11*, 194-203.
- Archer, JS, **Love-Geffen, T.**, Herbst, K and Chang, RJ. (2006). The effect of estradiol versus estradiol and testosterone on brain activation patterns of postmenopausal women". Menopause, *13*(3), 528-537.
- Love, T.**, Haist, F., Nicol, J and Swinney, D. (2006). A functional neuroimaging investigation of the roles of structural complexity and task-demand during auditory sentence processing. *Special Issue: Integrative Models of Broca's area and the Ventral premotor cortex. Schubotz and Feibach (Eds.). Cortex*, *42*(4), 577-590.
- Nicol, J., Swinney, D., **Love, T.** and Hald, L. (2006). The on-line study of sentence comprehension: examination of dual task paradigms. Journal of Psycholinguistic Research, *v35* (3) 215-231.
- Love, T.** (2007). Recovery of canonical order by pre-school children: A real-time investigation. Journal of Psycholinguistic Research, *36*, 191-206.
- Swinney, D., **Love, T.**, Walenski, M. and Smith, E.E. (2007). Conceptual Combination during Sentence Comprehension: Evidence for compositional processes. Psychological Science, *18*(5), 397-400.
- Wright, H. H., Downey, R. A., Gravier, M., **Love, T.**, & Shapiro, L. P. (2007). Processing distinct linguistic information types in working memory in aphasia. Aphasiology, *21*(6/7/8), 802-813.
- Love, T** and Shapiro, L (In Press). Language Processing and the Left Hemisphere. In Cambridge Encyclopedia of Language Sciences, Hogan, P (Ed).
- Love, T.**, Swinney, D. Walenski, M. and Zurif, E. (2008). How left inferior frontal cortex participates in syntactic processing: evidence from aphasia. Brain and Language.
- Callahan, S., Nicol, J., **Love, T.** and Swinney, D. (Submitted). The Processing and Interpretation of Null and Overt Pronouns by Bilingual and Monolingual Speakers of Spanish. Submitted Journal of Neurolinguistics.

### **PUBLICATIONS (Chapters)**

- Love, T.** and Swinney, D. (1998). The influence of canonical word order on structural processing. Chapter in Hillert (Ed.). Cross linguistic studies of language processing, Academic Press.
- Nicol, J. and **Love, T.** (2000). 'Overarching agrammatism': when comprehension involves production. In Grodzinsky, Shapiro & Swinney (Eds.), *Language and the Brain: Representation and Processing*. (p. 105-120) Academic Press, New York.
- Swinney, D., Prather, P., & **Love, T.** (2000). The time course of lexical access and the role of context: Converging evidence from normal and aphasic processing. In Grodzinsky, Shapiro & Swinney (Eds.), *Language and the Brain: Representation and Processing*. Academic Press, New York.
- Swinney, D., **Love, T.**, Nicol, J., Bouck, V., Hald, L. (2000). Neuroanatomical Organization of Sentential Processing Operations: Evidence from aphasia on the (modular) processing of discontinuous dependencies. *Grammatical Disorders in Aphasia: A Neurolinguistic Perspective*. R. Bastiaanse and Y. Grodzinsky (Eds.) Singular Press, San Diego, California
- Swinney, D. and **Love, T.** (2002). Context Effects on Lexical Processing During Auditory Sentence Comprehension: On the Time-course and Neurological bases of a Basic Comprehension Process. In E. Witruk, A.D. Friederici, and T. Lachmann (Eds.). *Basic Functions of Language, Reading and Reading Disability*. Dordrecht, NL: Kluwer Academic Publishers
- Ahrens, K and **Love, T** (2006). "Magic Markers". *Chicken Soup for the Mothers of Preschooler's Soul: Stories to Refresh the Soul and Rekindle the Spirit of Moms of Little Ones*. Canfield, Morgan, Hansen, Nickless (Eds). Health Communications. Deerfield Beach, FL.

### **CONFERENCE PRESENTATIONS Since 2000**

- Oster, E., Shapiro, L., Lesan, L., **Love, T.**, (2000). The On-Line Processing of Basic Category Terms by Brain-Damaged Populations. Presented at the CUNY Conference on Sentence Processing, March 2000.

- Love, T.**, Hickok, G., Bellugi, U., Klima, E. (2000). The Neural substrates of single sign perception. Presented at The Cognitive Neuroscience Society, April, 2000, San Francisco, CA.
- Humphries, C, Buchsbaum, B, **Love, T.**, Swinney, D and Hickok, G. (2000). Patterns of Spatio-temporal activation during the perception and production of speech. Presented at The Cognitive Neuroscience Society, April, 2000, San Francisco, CA.
- Love, T.**, Buchsbaum, B., Bellugi, U., Hickok, G. (2001). Neural basis of sentence comprehension in deaf signers: an fMRI investigation. Presented at The Cognitive Neuroscience Society, March, 2001, San Francisco, CA. 157.
- Love, T.**, Swinney, D. and Zurif, E. (2001). Aphasia and the time-course of processing long distance dependencies. Presented at the Academy of Aphasia Annual Meeting, October 2001, Boulder, CO.
- Love, T.**, Swinney, D, Oster, E, and Zurif, E. (2001). Co-reference Processing in Aphasia. Presented at the Clinical Aphasiology Conference, May 2001.
- Beck, E., **Love, T.**, Nino, R., Rose, F., Buxton, R., Bellugi, U. (2002). Neural Systems Underlying Social Cognition in a Genetically Based Disorder. Presented at The Cognitive Neuroscience Society, April, 2002, San Francisco, CA.
- Love, T.**, Bellugi, U., Klima, E.S. and Hickok, G. (2002) A Functional MRI Study of the Perception of ASL Signs. Presented at The Academy of Aphasia, October 2002.
- Hickok, G., **Love, T.**, Buchsbaum, B and Bellugi, U. (2002) Neural Basis of ASL Comprehension in Deaf Signers: Lesion and fMRI Investigations. Presented at The Academy of Aphasia, October 2002.
- Love, T.**, Swinney, D. and Nicol, J. (2003). Modulation of Activation in Broca's area: An fMRI Examination of the effects of language and task complexity on signal variance. Presented at The Cognitive Neuroscience Society, NYC, NY. March 2003.
- Humphries, C., Swinney, D., **Love, T.**, Hickok, G. (2003). Effect of syntactic and prosodic manipulation on anterior superior temporal lobe activation. Presented at The Cognitive Neuroscience Society, NYC, NY. March 2003.
- Buchsbaum, B., **Love, T.**, Pickell, B, Bellugi, U., Hickok, G. (2003). The phonological loop in sign language: an fmri study. Presented at The Human Brain Mapping Conference. NYC, NY. March 2003.
- Love, T.**, Swinney, D., Haist, F., Nicol, J., Buxton, R. (2003). Task-demand modulation of activation in Broca's area. Presented at The Academy of Aphasia. Vienna, Austria. October 2003.
- Archer, JS, **Love-Geffen, T.**, Herbst, K and Chang, RJ (2004). Effect of Age and Hormonal Status on Response to Visual Sexual Stimulation in Pre versus Postmenopausal Women. Presented at the North American Menopause Society, October, 2004.
- Mullane, M, **Love, T** and Swinney, D. (2005). Affective Auditory Stimuli: Influences on Working Memory Tasks. To be presented at The Cognitive Neuroscience Society, NYC, NY. March 2005.
- Wright, H., Downey, R, **Love, T.**, Newhoff, M, Schwartz, R and Shapiro, L. (2005). Measuring Working Memory in Aphasia. Presented at the International Neurological Society, Dublin, Ireland.
- Love, T** and Owen, K. Naturalistic Methodologies and Data Management. (2006). Presented at the National Coalition for Campus Children's Centers National Conference, Denver, CO. March 2006.
- Gravier, M, Downey, R., Wright, H, **Love, T** and Shapiro, L. (2006). Processing Distinct Linguistic Information Types in Working Memory in Aphasia. Presented at The Clinical Aphasiology Conference. Ghent, Belgium, May 2006.
- Poirier, J., Shapiro, L., **Love, T.**, Swinney, D. (2006). Verb-Phrase Ellipsis: A Research Tool. Presented at The Clinical Aphasiology Conference. Ghent, Belgium, May 2006.
- Love, T.** (2007). The effects of rate of speech input on the processing of pronouns and reflexives in unimpaired and SLI children. CMLP workshop, The University of Groningen. Groningen, The Netherlands. January 26, 2007.
- Hestvik, A., Schwartz, R., Tornyoova, L., Almodovar, D., **Love, T.** and Swinney, D. (2007). Binding theory and syntactic movement are dissociated in Specific Language Impairment. Presented at the 15<sup>th</sup> Annual CUNY Conference on Sentence Processing, March 2007, San Diego, CA.
- Callahan, S., Nicol, J., **Love, T.** and Swinney, D. (2007). All Pronouns are Not Created Equal: The Processing and Interpretation of Null and Overt Pronouns in Spanish. Presented at the 15<sup>th</sup> Annual CUNY Conference on Sentence Processing, March 2007, San Diego, CA.

- Bricker, B., Vignati, D., Schwartz, R., Swinney, D and **Love, T.** (2007). "She did too": Processing VP ellipsis by typical and atypical developing language populations. Presented at the 15<sup>th</sup> Annual CUNY Conference on Sentence Processing, March 2007, San Diego, CA.
- Love, T.**, Bricker, B., Vignati, D., Moholy, M, Walenski, M, Schwartz, R and Swinney, D. (2007). Rate of speech effects on the processing of overt anaphors in typical and atypical developing language populations. Presented at the 15<sup>th</sup> Annual CUNY Conference on Sentence Processing, March 2007, San Diego, CA.
- Love, T.**, Swinney, D., Sawyer, C., Bricker, B., Schwartz, R., Vignati, D. (2007). Rate of speech effects sentence processing in children with and without language impairments. Presented at the 15<sup>th</sup> Annual CUNY Conference on Sentence Processing, March 2007, San Diego, CA.
- Poirier, J., **Love, T.**, Shapiro, L and Swinney, D. (2007). Processing of Verb-Phrase Ellipsis: Evidence for Preserved Processing Reflexes in Aphasia. Presented at the Cognitive Neuroscience Society. May 2007. NYC, NY.
- Downey, R., **Love, T** and Swinney, D. (2007). Making "It" Concrete: An Examination of Antecedent Concreteness Effects In Pronominal Co-Reference Using Event-related Potentials. Presented at the Cognitive Neuroscience Society. May 2007. NYC, NY.
- Brumm, K., Haist, Perthen, Liu, T. and **Love, T.** (2007). An Investigation of Perfusion in Stroke Survivors. Presented at the Cognitive Neuroscience Society. May 2007. NYC, NY.
- Callahan, S., Nicol, J, **Love, T** and Swinney, D. (2007). An event-related potential study of the processing of different types of anaphora. Presented at the Cognitive Neuroscience Society. May 2007. NYC, NY.
- Cornew, L., **Love, T.**, Batten, G. and Carver, L. (2007). There's more to emotion than meets the eye: Processing of emotional prosody in the auditory domain. Presented at the Cognitive Neuroscience Society. May 2007. NYC, NY.
- Poirier, J., Haist, F., Gebelin, L., Brumm, K and **Love, T** (2007). Neural underpinnings of rate of speech input on auditory sentence comprehension in Aphasic and Unimpaired adults: an fMRI investigation. Presented at TENNET. June 2007. Montreal, Canada.
- Brumm, K, Liu, T, Perthen, J, Haist, F, **Love, T.** (2007). An Investigation of Cerebral Perfusion in Aphasia Using Arterial Spin Labeling. Presented at Human Brain Mapping. June, 2007. Chicago, IL.
- Poirier, J., Haist, F., Gebelin, L and **Love, T** (2007). Neural underpinnings of rate of speech input on auditory sentence comprehension in Aphasic and Unimpaired adults: an fMRI investigation. Presented at Science of Aphasia. September 2007. Monolpoli, Italy.
- Callahan, S, Nicol, J., **Love, T.**, Witzel, J., & Swinney, D. (2008). An eye-tracking study comparing the processing of noun phrase anaphors and two types of verb phrase anaphors. To be presented at the Cognitive Neuroscience Society, San Francisco, CA.

### **INVITED PRESENTATIONS**

- Love, T, 2004,. "Naturalistic Methodologies and Data Management". UCSD Early Childhood Education Center. La Jolla, CA
- Love, T, 2005, Current research in Aphasia. Acquired Brain Injury Program, *San Diego Community College* San Diego, CA
- Love, T. 2007. Rate of speech effects in the processing of pronouns and reflexives in unimpaired and SLI children What Workshop: On-line Spoken Sentence Processing. University of Groningen, Groningen, The Netherlands.
- Love, T. 2007, Brain Development and Disorders. SD County Childcare and Planning Council, Director's Workshop. San Diego, CA

### **TELEVISION APPEARANCES**

KPBS, San Diego Brain Science Series

*Gift of Gab: The Neuroscience of Language* San Diego Brain Science will search out the most compelling stories on brain research in San Diego today – from the mystery of consciousness to why we sleep. The goal of the series is to attract, hold and inform its audience, both lay and expert.

### **Course Taught since 2000**

#### **Undergraduate**

**UCSD:**

Psych 145: Psychology of Language  
Psych 105: Cognitive Psychology  
Psy118, 119: Real Time Language Laboratory Practicum

**SDSU**

SLHS 300: Introduction to Language Science  
SLHS 491: SLHS Undergraduate Honors Program

**Graduate**

SLHS 600: Research Design and Methods in Communication Sciences  
SLHS 603: Neuroscience of Speech and Language  
SLHS 609A Neurological Language & Cognitive Disorders I  
SLHS 609B Neurological Language & Cognitive Disorders II

**OTHER PROFESSIONAL ACTIVITIES**

Reviewer for:

National Institutes of Health, Language, Cognition and Brain Function (2004-present)  
Journal of Psycholinguistic Research (Editorial Board) 2004 –present  
Journal of Neurolinguistics  
PNAS  
Neuroimage  
Journal of Speech, Language & Hearing Research  
Cortex  
Applied Psycholinguistics  
Cognitive, Affective & Behavioral Neuroscience  
Journal of Experimental Psychology  
Journal of Developmental Psychology