

EDUCATION AND EXPERIENCE

- 2013-present:** Assistant Professor, Developmental Psychology
Florida State University
- 2009-2013:** Postdoctoral Researcher, Center for Research in Language
University of California, San Diego
- 2008-2012:** Postdoctoral Researcher, Center for Infant Studies
Department of Psychology, Stanford University
- 2004-2008:** Ph.D. Cognitive Science
University of California, San Diego
- 2002-2004:** M.S. Cognitive Science
University of California, San Diego
- 2001-2002:** Research Assistant
NIMH Center for Study of Emotion and Attention, University of Florida
- 1997-2001:** B.S. Psychology, summa cum laude
University of Florida

FELLOWSHIPS, HONORS AND AWARDS

- 2009-2012:** NIH (F32) National Research Service Award, Individual Postdoctoral Fellowship
- 2007:** UCSD Department of Cognitive Science Superior Teaching award
- 2007:** Glushko Foundation Student Travel Award, Cognitive Science Society
- 2005-2007:** NIH Predoctoral Training Fellowship: Center for Research in Language Interdisciplinary Training Program in Language, Communication and the Brain
- 2006:** Fellow, John Merck Summer Institute on Biology of Developmental Disabilities
- 2002-2005:** National Science Foundation Graduate Student Fellowship
- 2002-2003:** UCSD Dean's Social Sciences Fellowship
- 2001:** Univ. of Florida Institute on Aging Leighton Cluff Award
- 2001:** Psi Chi Regional Research Award
- 2000-2001:** Sigma Xi Grant-in-Aid of Research
- 2000-2001:** University of Florida, University Scholars award

CURRENT FUNDING

Borovsky, A. (Dec 2014–Nov 2017). *Online language processing and semantic development in late-talking infants*. Funded by National Institutes of Health, Deafness and Other Communication Disorders. Total award \$439,934.

Lieberman, A. (PI), & **Borovsky, A.** (Co-I). (June 2016–May 2021). *Development of gaze control for integration of language and visual information in deaf children*. Funded by National Institutes of Healthy, Deafness and Other Communication Disorders. Total subcontract: \$43, 364

PUBLICATIONS

Borovsky, A. (in press). The amount and structure of prior event experience affects anticipatory sentence interpretation. *Language, Cognition and Neuroscience*.

Borovsky, A., Ellis, E.M., Evans, J.L., & Elman, J.L.(in press). Semantic density interacts with lexical and sentence processing in infancy. *Child Development*

Borovsky, A., Ellis, E.M., Evans, J.L., & Elman, J.L.(in press). Lexical leverage: Category knowledge boosts real-time novel word recognition in two-year-olds. *Developmental Science*

Lieberman, A., **Borovsky, A.**, Hatrak, M., & Mayberry, R. I. (in press). Where to look for ASL sub-lexical structure in the visual world: A reply to Salverda (2016). *Journal of Experimental Psychology: Learning, Memory and Cognition*

Mani, N., & **Borovsky, A.** (in press). Building a lexical network. In Gert Westermann, & Nivedita Mani (Eds.), *Early Word Learning*. Psychology Press.

Charness, N., & **Borovsky, A.** (in press). Information Processing. In *The Sage Encyclopedia of Lifespan Human Development*. Sage Publishing.

Yabzec, A., Kaschak, M.P., **Borovsky, A.** (2016). Investigating semantic conflict between general knowledge and novel information in real-time sentence processing. Proceedings of the 38th Annual Meeting of the Cognitive Science Society (pp. 1421-1426). Austin, TX: Cognitive Science Society.

Ellis, E.M., **Borovsky, A.**, Elman, J.L., & Evans, J.L. (2015). Novel Word Learning: An Eye-Tracking Study Are 18-Month-Old Late Talkers Really Different from their Typical Peers? *Journal of Communication Disorders*, 58, 143-157.

Lieberman, A.M., **Borovsky, A.**, Hatrak, M., & Mayberry, R.I. (2015). Real-time processing of ASL signs: Delayed first language acquisition affects organization of the mental lexicon. *Journal of Experimental Psychology: Learning, Memory and Cognition*. 41(4), 1130-1139.

- Peters, R. E., Grüter, T., & **Borovsky, A.**, (2015). Anticipatory and locally-coherent lexical activation varies as a function of language proficiency. In Rick Dale, Carolyn Jennings, Paul Maglio, Teenie Matlock, David Noelle, Anne Warlaumont, & Jeff Yoshimi (Eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society (pp. 1865-1870)*. Austin, TX.
- Troyer, M. & **Borovsky, A.**, (2015). Childhood SES affects anticipatory language comprehension in college-age adults. In Rick Dale, Carolyn Jennings, Paul Maglio, Teenie Matlock, David Noelle, Anne Warlaumont, & Jeff Yoshimi (Eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society* (pp. 2428-2433). Austin: TX.
- Borovsky, A.**, Sweeney, K., Elman, J. L., & Fernald, A. (2014). Real-time interpretation of novel events across childhood. *Journal of Memory and Language*, 73, 1-14.
- Borovsky, A.** & Creel, S. (2014). Children and adults integrate talker and verb information in online processing. *Developmental Psychology*, 50(5), 1600.
- Lieberman, A.M., **Borovsky, A.**, Hatrak, M., Mayberry, R.I. (2014). Real-time processing of ASL signs: Effects of linguistic experience and proficiency. *Proceedings of the Boston University Conference on Language Development*. (pp. 6) Cascadilla Press.
- Borovsky, A.**, Burns, E., Elman, J. L., & Evans, J. L. (2013). Lexical activation during language comprehension in adolescents with history of specific language impairment. *Journal of Communication Disorders*, 46, 413-427. PDF
- Borovsky, A.**, Kutas, M. & Elman, J. L. (2013). Getting it right: Word learning across the hemispheres. *Neuropsychologia*, 51(5), 825-37.
- Bion, R.H., **Borovsky, A.**, & Fernald, A. (2013). Referent selection and word learning in 18- and 24-month-old infants. *Cognition*, 126(1), 39-53.
- Borovsky, A.**, Elman, J. L., & Fernald, A. (2012). Knowing a lot for one's age: Vocabulary skill and not age is associated with the timecourse of incremental sentence interpretation in children and adults. *Journal of Experimental Child Psychology*, 112(4), 417-36.
- Borovsky, A.**, Elman, J. L., & Kutas, M. (2012). Once is enough: N400 indexes semantic integration of novel word meanings from a single exposure in context. *Language Learning and Development*, 8(3), 278-302.
- Borovsky, A.**, Elman, J. L., & Kutas, M. (2010). Learning to use words: Event related brain potentials index single shot word learning from context. *Cognition*, 116(2), 289-96.
- Borovsky, A.**, Elman, J. L., & Kutas, M. (2010). Semantic integration of novel word meanings after a single exposure in context. *Proceedings of the 32nd Annual Cognitive Science Society* (pp. 1307-1312). Austin, TX: Cognitive Science Society.
- Borovsky, A.**, Saygin, A. P., Bates, E., & Dronkers, N. F. (2007). Lesion correlates of conversational speech deficits. *Neuropsychologia*, 45(11), 2525-2533.

Borovsky, A., Elman, J. & Kutas, M. (2007). Getting the gist is not enough: An ERP investigation of contextual word learning. *Proceedings of the 29th Annual Cognitive Science Society* (pp. 119-124). Austin, TX: Cognitive Science Society.

Borovsky, A., & Elman, J. (2006). Language input and categories: A relation between cognition and early word learning. *Journal of Child Language*, 33(3), 759-790.

MANUSCRIPTS UNDER REVIEW

Borovsky, A. (under review). Vocabulary skill influences how children use event knowledge to learn words in narrative context.

Troyer, M. T. & **Borovsky, A.** (under review). Childhood socioeconomic status influences the range of expectations during language comprehension in adulthood.

Carranza, J., Kaschak, M. P., **Borovsky, A.**, & Bernat, E. (under review). Moving from categorical to continuous designs in embodiment research: Sensorimotor ratings for a large set of verbs.

Ellis, E. M., **Borovsky, A.**, Elman, J. L., & Evans, J. L. (under review). Toddler implicit learning and vocabulary abilities: Is there a relationship?

Peters, R. E., Gruter, T., & **Borovsky, A.** (under review). Language skill and experience influences flexibility in linguistic prediction.

CONFERENCE TALKS

Borovsky, A. (2015). *Children generate expectations for a multitude of outcomes in real-time sentence processing*. In Nivedita Mani (Chair), *Whatever Next! Children's Anticipation of Upcoming Spoken Language Input*. Presentation at the meeting of Society for Research in Child Development, Philadelphia, PA.

Borovsky, A. (2015). *Real-time lexical processing in infancy is associated with individual categorical knowledge*. In Jill Lany (Chair), *Online Measures of Word Comprehension Inform Studies of Language Development*. Presentation at the meeting of Society for Research in Child Development, Philadelphia, PA.

Lieberman, A., **Borovsky, A.**, & Mayberry, R. (2015). *The predictive nature of American Sign Language verbs during real-time sentence processing in deaf adults and children*. Paper presented at the annual meeting, Boston University Conference on Language Development, Boston, MA.

- Borovsky, A.** (2014). *Predictive language comprehension: From infancy to early adulthood*. In Theres Gruter (Chair), *Learning to think ahead – thinking ahead to learn: The role of prediction in language learning and use across the lifespan*. Presentation at the meeting of Boston University Conference on Language Development, Boston, MA.
- Borovsky, A.,** Ellis, E., Evans, J. E., & Elman, J. E. (2014). *Domain knowledge in real-time word recognition: Evidence that lexical processing skill is not a unitary construct*. In Suzanne Curtin (Chair), *Multiple Mechanisms for Intuiting Meaning*. Presentation at the meeting of International Society of Infant Studies, Berlin, Germany.
- Borovsky, A.** (2013). *Individual and group differences in spoken language comprehension matters*. In Sara Hart (Chair), *Exploring fundamental questions in language and reading development*. Presentation at the meeting of Society for the Study of Human development, Ft Lauderdale, FL.
- Lieberman, A. M., **Borovsky, A.,** Hatrak, M., & Mayberry, R. I. (2013). *Effects of early language experience on real-time processing of ASL signs in deaf adults*. Paper presented at the meeting of Boston University conference on language development, Boston, MA.
- Lieberman, A. M., **Borovsky, A.,** Hatrak, M., Mayberry, R. I. (2013). *Signing in the Visual World: The time course of lexical recognition in American Sign Language*. Talk presented to the 11th Theoretical Issues in Sign Language Research conference, London, UK, July 10-13, 2013.
- Borovsky, A.,** Sweeney, K., Fernald, A., & Elman, J. (2012). *Incremental development of incremental processing: Anticipatory interpretation of novel sentential combinations in adults and children*. Talk presented to the CUNY Human Sentence Processing Conference in New York, NY, March 14-16, 2012.
- Borovsky, A.,** Sweeney, K., Fernald, A., & Elman, J. (2012). *Developmental differences in incremental sentence processing: Older but not younger children fast-map novel sentential relationships*. Talk presented to the SoCal Development Conference in La Jolla, CA, April 28, 2012.
- Bion, R. H., **Borovsky, A.,** & Fernald, A. (2011) *Fast mapping, slow learning: A longitudinal study of referent selection and novel-word retention at 18 and 24 months*. Talk presented to the Biennial meeting of the Society for Research in Child Development in Montreal, CA, March 31-April 2, 2011.
- Borovsky, A.,** Elman, J., & Kutas, M. (2010). *Semantic integration of novel word meanings after a single exposure in context*. Talk presented to the Cognitive Science Society in Portland, OR, August 8-11, 2010.
- Borovsky, A.,** Kutas, M., & Elman, J. (2009). *Learning words from context: The influence of constraint, reading comprehension, and vocabulary level*. Talk presented to the Linguistic Society of America, January 8, 2009.

Borovsky, A., Elman, J., & Kutas, M. (2007). *Getting the gist is not enough: An ERP investigation of contextual word learning*. Talk presented to the Cognitive Science Society in Nashville, TN, August 3, 2007.

Elman, J., **Borovsky, A.**, & Redcay, E. (2007). *Computational and neural bases of word learning: Lessons from connectionist models, electrophysiology and fMRI*. Talk presented to the Society for Research in Child Development in Boston, MA, March 29 – April 1, 2007.

Borovsky, A., Saygin, A. P., Wilson, S. M., Dronkers, N. F., & Bates, E. (2004). *Lesion mapping of conversational speech production in aphasia*. Talk presented to the Society for Neuroscience meeting in San Diego, CA, October 23-27, 2004.

CONFERENCE POSTERS

Peter, R. E., Gruter, T., & **Borovsky, A.** (accepted). Language experience and skill alters the dynamics of lexical prediction in sentence processing. Poster to be presented at the 41st Boston University Child Language Development Conference

Ellis, E., **Borovsky, A.**, Elman, J. L., & Evans, J. L. (accepted). Implicit word learning in toddlers: A relationship to vocabulary. Poster presentation to be given at the meeting of American Speech-Language-Hearing Association.

Hopkins, K. N., Cole, C. E., & **Borovsky, A.** (accepted). Exploring how semantic density influences language processing skills across toddlerhood. Poster to be presented at the Florida Psycholinguistics meeting.

Borovsky, A., & Arnon, I. (presented 2016). Children's online use of multiword frequency in real-time sentence comprehension. Presented at the meeting of Implicit Learning Seminar, Lancaster, UK.

Borovsky, A., Yehnert, C., & Peters, R. E. (presented 2016). Lexical recognition in 18-month-olds is influenced by semantic density. Presented at International Conference on Infant Studies, International Society of Infant Studies, New Orleans, LA.

Borovsky, A. (presented 2016). Prior experience influences predictive processing in novel sentences. Poster presentation at the meeting of CUNY Conference on Human Sentence Processing, Gainesville, FL.

Carranza, J., Kaschak, M., **Borovsky, A.**, & Bernat, E. (presented 2016). High or low motor: a norming study for verbs. Poster presentation at the meeting of CUNY conference on human sentence processing, Gainesville, FL.

Peters, R., Boutzoukas, E., McRae, K., & **Borovsky, A.** (presented 2016). Validating a new tool to explore psycho-linguistic processing in infancy. Poster presentation at the meeting of CUNY Conference on Human Sentence Processing.

- Borovsky, A.** (presented 2015). Lexical leverage in early language processing. Presentation at the meeting of Florida Psycholinguistics Meeting.
- Peter, R. E., Gruter, T., & **Borovsky, A.** (presented 2015). L2 Language proficiency affects the timing and dynamics of predictive language processing. Poster presentation at The annual meeting of, CUNY conference on human sentence processing, University of Southern California.
- Troyer, M., & **Borovsky, A.** (presented 2015). Childhood SES affects anticipatory language comprehension in college-age adults. Poster presentation at The annual meeting of, CUNY conference on human sentence processing, University of Southern California.
- Borovsky, A.,** Ellis, E., Evans, J. E., & Elman, J. E. (presented 2014). Language processing skill is not a unitary construct: Infants' vocabulary knowledge drives lexical and sentence processing. Poster presentation at The 27th Annual, CUNY Conference on Sentence Processing, Columbus, Ohio.
- Lieberman, A. M., **Borovsky, A.,** Hatrak, M., & Mayberry, R. I. (presented 2013). Looking in the visual world: Lexical recognition of American Sign Language in native signers and second-language learners. Poster presentation at Biennial Meeting, Society for Research in Child Development, Seattle, WA.
- Borovsky, A.,** Sweeney, K., Metusalem, R., Elman, J. L. (2013). *Children flexibly use event and verbal knowledge in real-time sentence interpretation.* Poster to be presented to the Biennial meeting of the Society for Research in Child Development, Seattle, WA, April 18-20, 2013.
- Lieberman, A. M., **Borovsky, A.,** Hatrak, M., Mayberry, R. I. (2013). *Looking in the visual world: Lexical recognition of American Sign Language in native signers and second-language learner.* Poster to be presented to the Biennial meeting of the Society for Research in Child Development, Seattle, WA, April 18-20, 2013.
- Borovsky, A.,** & Creel, S. (2012). *I can tell from your voice: Adults and children use speaker identity to generate predictions during incremental sentence comprehension.* Poster presented to the CUNY Human Sentence Processing Conference in New York, NY, March 14-16, 2012.
- Borovsky, A.,** Elman, J., & Evans, J. (2011). *The timecourse of anticipatory sentence comprehension in children with SLI.* Poster presented to the Neurobiology of Language Conference in Annapolis, MD, November 10-11, 2011.
- Borovsky, A.,** Sweeney, K., Fernald, A., & Elman, J. (2011). *Adults and children fast-map novel connections between words.* Poster presented to the Cognitive Science Society meeting in Boston, MA, July 20-23, 2011.
- Borovsky, A.,** Elman, J., & Kutas, M. (2010). *An electrophysiological investigation of word learning across the hemispheres.* Poster presented to the Neurobiology of Language Conference in San Diego, CA, November 11-12, 2010.

- Borovsky, A.**, & Elman, J. (2010). *A comparison of the time course of combinatory sentence processing in children and adults*. Poster presented at the Architectures and Mechanisms of Language Processing meeting in York, UK, September 8-11, 2010.
- Borovsky, A.**, & Elman, J. (2010). *Individual differences in anticipatory eye-movements: Vocabulary size is associated with speed of noun-verb integration*. Poster presented to the Cognitive Science Society meeting in Portland, OR, August 8-11, 2010.
- Borovsky, A.**, Saygin, A. P., Dronkers, N. F., & Bates, E. (2005). *Lesion mapping of word class deficits in conversational speech production in aphasic stroke patients*. Poster presented to the Cognitive Neuroscience Society meeting in New York, NY, April 9-12, 2005.
- Borovsky, A.** & Elman, J. (2004). *Quantity and Quality: A model of how linguistic input drives lexical and cognitive development*. Poster presented to the Cognitive Science Society conference in Chicago, IL, August 2-5, 2004.
- Borovsky, A.**, Bradley, M. M., Thornhill, D., Ohman, A., & Lang, P. J. (2002). Sneaking a peek: Do eye movements reveal emotional interest? *Psychophysiology*, 39, S23.
- Keil, A., **Borovsky, A.**, Bradley, M. M., & Lang, P. J. (2002). Affective modulation of steady-state visual evoked potentials: Source distribution and interindividual differences. *Psychophysiology*, 39, S45
- Soler-Baillo, J., Bradley, M., **Borovsky, A.**, & Lang, P. (2001). *Pictures as prepulse modulation of visually elicited blink*. Poster presented at the Society for Psychophysiological Research Meeting in Montreal, Canada.
- Borovsky, A.** & Abrams, L. (2001). *The interactions of syntax, lag, lexical class and aging on repetition blindness*. Poster presented at the American Psychological Society Conference in Toronto, Canada.

INVITED TALKS

- Borovsky, A.** (accepted). *Using semantic structure to understand language development*. Keynote presentation to be given at the meeting of Embodied and Situated Language Processing Conference, Villarrica-Pucon, Chile, October 2016.
- Borovsky, A.** (2016, June). *Beyond lexical bean counting: using semantic structure in vocabulary to understand language learning and processing*. Delivered at Georg-August-Universität Göttingen, Göttingen, Germany.
- Borovsky, A.** (2016, June). *Beyond lexical bean counting: using semantic structure in vocabulary to understand language learning and processing*. Delivered at Cluster of Excellence Cognitive Interaction Technology (CITEC), Bielefeld University, Bielefeld, Germany.
- Borovsky, A.** (2016, June). *Beyond lexical bean counting: using semantic structure in vocabulary to understand language learning and processing*. Delivered at the ESRC International Centre

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for Language and Communicative Development, University of Liverpool, United Kingdom.

Borovsky, A. (2015). *Real-time activation of world knowledge in language processing and development*. Delivered at University of Florida, Gainesville, FL.

Borovsky, A. (2014). *Event Knowledge in Language Comprehension and Learning*. Delivered at University of Bielefeld, University of Bielefeld, Bielefeld, Germany.

Borovsky, A. *How children use world knowledge to understand sentences and learn language*. Talk presented to the SCANS 91 Lecture Series, December 5, 2012.

Borovsky, A. *Individual and developmental differences in online sentence comprehension*. Talk presented to the Center for Human Development iDev Talk Series, University of California, San Diego. November 9, 2012.

Borovsky, A. *ERP investigations of word learning in context*. Cognitive Brownbag talk in the Department of Psychology at the University of California, Riverside. February 29, 2012.

Borovsky, A. *The role of experience in word learning: Lessons from computational models and brainwaves*. Talk presented to the SCANS 91 Lecture Series, January 16, 2008.

Borovsky, A. *Word learning in context*. Talk presented to the Institute for Neural Computation and Center for Research in Language fellows meeting, May 17, 2007.

Borovsky, A. *Word learning in context*. Talk presented to the Center for Research in Language talk series, April 24, 2007.

Borovsky, A., Saygin, A. P., & Cummings, A. *Relationships between meaningful linguistic and nonlinguistic environmental sounds*. Talk presented to the Center for Research in Language talk series, April 25, 2006.

Borovsky, A. *Learning words in context: The role of local and global experience*. Talk presented to the University of California, San Diego Cognitive Science Department, June 6, 2005.

Borovsky, A. *Quantity and Quality: A model of lexical development*. Talk presented to the University of California, San Diego Cognitive Science Department, June 7, 2004.

TEACHING EXPERIENCE

Spring 2016: Instructor, Psychology, FSU
DEP 3103: Child Psychology

Spring 2015: Instructor, Psychology, FSU
EXP 6609: Language Acquisition

Spring 2014, 2015, 2016: Instructor, Psychology, FSU

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PSY 4930: Language Development

Winter 2011, Spring 2012: Lecturer, Human Development Program, UCSD
HDP 120: Language Development

REVIEWING

Journals (ad hoc): *Acta Psychologica, Applied Psycholinguistics, Brain and Language, Brain Research, Cerebral Cortex, Child Development, Cognition, Cognitive Science, Developmental Neuropsychology, Developmental Psychology, Developmental Science, Evolutionary Psychology, First Language, Frontiers in Developmental Psychology, Infant and Child Development, International Journal of Psychophysiology, Journal of Child Psychology and Psychiatry, Journal of Cognition and Development, Journal of Experimental Child Psychology, Journal of Eye Movement Research, Journal of Speech, Language and Hearing Research, Journal of Memory and Language, Language and Cognition, Language, Cognition and Neuroscience, Language Learning, Neuropsychologia, PLOS One, Psychophysiology, Quarterly Journal of Experimental Psychology*

Conferences: *Architectures and Mechanisms of Language Processing; International Conference on Development and Learning; Language, Culture and Mind Conference; International Society for Infant studies, Neurobiology of Language Conference; Cognitive Science Society Conference*

Grant Agencies: *National Science Foundation: Behavioral & Cognitive Sciences, Perception, Action & Cognition; Natural Sciences and Engineering Research Council of Canada (NSERC), National Institute of Health: Language and Communication study section*

PROFESSIONAL SERVICE

2016: Program committee member, Cognitive Science society

2015: Conference organization and host, 1st Florida Psycholinguistics Meeting

2015: Program Committee member, CUNY Conference on Human Sentence Processing

2007-2008: Organizer, Center for Research in Language Colloquium

2007-2008: Editor, Center for Research in Language Newsletter

2004-2005: Graduate Student Representative, Department of Cognitive Science, UCSD

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2003-2005: Editor, Cognitive Science Online, <http://www.cogsci-online.ucsd.edu>

COMMUNITY SERVICE

2015-present: Supervisor, Community Screening Day, Whole Child Leon / Capital Area Infant Mental Health / Florida Diagnostic Learning Resource Center (2015–present).

2015-present: Scientist at “Ask a Scientist” event to engage the public in curiosity and discussion of the sciences

2015, 2016: Judge, Capital Regional Science Fair, Behavioral Sciences Division

2015: Guest presentation on “The wonders of word-learning” to Tallahassee Mothers of Preschoolers

2011-2013: Volunteer, UCSD Neuroscience Outreach

2011-2013: Laboratory outreach, San Diego City College Psi Beta

2010-2013: Judge, San Diego Greater Science Fair, Behavioral Sciences Division

MEMBERSHIPS

American Psychological Association
Association for Psychological Science
Cognitive Science Society
International Society for Infant Studies
Society for Research in Child Development