

# Darren Scott Tanner

## CURRICULUM VITAE

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## EDUCATION

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| 2011      | PhD in Linguistics, University of Washington<br><br>Dissertation title: “Agreement mechanisms in native and nonnative language processing: Electrophysiological correlates of complexity and interference”<br>Thesis advisors: Lee Osterhout and Julia Herschensohn |
| 2005-2006 | Potsdam University, Germany, Department of Linguistics. Visiting graduate student (US Dept. of Education Foreign Language and Area Studies Fellow)  |
| 2005      | MA in Linguistics, University of Washington<br><br>Thesis title: “The second language acquisition of German and the Verb Second parameter: A Generative account of the thematic/nonthematic verb distinction in verb raising to COMP <sup>0b</sup> ”                |
| 2002      | BA in Linguistics, University of Washington, <i>summa cum laude</i> , Phi Beta Kappa  |

## PROFESSIONAL APPOINTMENTS

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| Beginning August 2013 | Assistant Professor<br>Department of Linguistics<br>Affiliate of Dept. of Psychology and Beckman Institute<br>University of Illinois at Urbana-Champaign |
| August 2011- present  | Postdoctoral Fellow<br>Department of Psychology, Center for Language Science<br>The Pennsylvania State University<br>Primary mentor: Janet van Hell      |

## GRANTS, FUNDING, AND AWARDS

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University of Washington Distinguished Dissertation Award Nominee, 2011.

National Science Foundation Doctoral Dissertation Improvement Grant (BCS-0951595) “Doctoral dissertation research: The effects of syntactic complexity on native and nonnative agreement processing: An event-related potentials investigation,” Co-PI with Lee Osterhout (3/15/2010-3/14/2012). \$12,000.

William Orr Dingwall Foundation Neurolinguistics Dissertation Fellowship (2010-11 Academic Year). \$15,000.

UW Graduate and Professional Student Senate travel award for travel to the Generative Approaches to Second Language Acquisition conference (2009). \$225.

Linguistics Society of America travel award for travel to the Linguistics Society of America summer meeting (2008). \$300.

Paula Menyuk Travel Award for the Boston University Conference on Language Development (2007). \$300.

UW Graduate School Fund for Excellence and Innovation award for travel to the Second Language Research Forum (2007). \$300.

UW Department of Linguistics Award for Excellence in Graduate Student Research (2007). \$1000.

US Department of Education Foreign Language and Area Studies Academic Year Fellowship (Title VI). Fellowship carried out at University of Potsdam, Germany (2005-2006).

Phi Beta Kappa (2002).

BA *Summa cum laude* (2002).

## PUBLICATIONS

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### Peer-reviewed journal articles

Tanner, D., Nicol, J. & Osterhout, L. (in prep). The time course of feature interference and decay in agreement processing. To be submitted to *Language and Cognitive Processes*.

Osterhout, L., Frenck-Mestre, C., Inoue, K., McLaughlin, J., Tanner, D. & Herschensohn, J. (in prep). Morphosyntactic learning and second language acquisition: Evidence from event-related potentials. To be submitted to *Journal of Memory and Language*.

Pitkänen, I., Tanner, D., McLaughlin, J. & Osterhout, L. (in prep). Use it or lose it: Second language attrition in the brain looks like acquisition in reverse. To be submitted to *Psychological Science*.

Tanner, D. Inoue, K., & Osterhout, L. (submitted). Brain-based individual differences in on-line L2 sentence comprehension. *Cognition*.

Tanner, D., McLaughlin, J., Herschensohn, J. & Osterhout, L. (in press). Individual differences reveal stages of L2 grammatical acquisition: ERP evidence. *Bilingualism: Language and Cognition*.

van Hell, J. G. & Tanner, D. (in press). Effects of second language proficiency on cross-language activation. *Language Learning*.

McLaughlin, J., Tanner, D., Pitkänen, I., Frenck-Mestre, C., Inoue, K., Valentine, G., et al. (2010). Brain potentials reveal discrete stages of L2 grammatical learning. *Language Learning*, 60 (Suppl. 2), 123-150.

### Chapters in peer-reviewed volumes

McLaughlin, J., Tanner, D., Pitkänen, I., Frenck-Mestre, C., Inoue, K., Valentine, G., et al. (2010). Brain potentials reveal discrete stages of L2 grammatical learning. In M. Gullberg & P. Indefrey (Eds.), *The earliest stages of language learning* (pp. 123-150). Malden, MA: Wiley-Blackwell.

Tanner, D. (2008). Agreeing that agreement isn't the problem. In M. Bowles, R. Foote, S. Perpiñán & R. Bhatt (Eds.), *Selected proceedings of the 2007 Second Language Research Forum* (pp. 22-34). Somerville, MA: Cascadia Proceedings Project. Available online at <http://www.lingref.com/cpp/slrf/2007/paper1732.pdf>

### Conference proceedings & published working papers

Tanner, D., Nicol, J., Herschensohn, J., & Osterhout, L. (2012). Electrophysiological markers of interference and structural facilitation in native and nonnative agreement processing. In A. K. Biller, E. Y. Chung, and A. E. Kimball (Eds.), *Proceedings of the 36<sup>th</sup> Boston University Conference on Language Development* (pp. 594-606). Somerville, MA: Cascadia.

Tanner, D., Osterhout, L., & Herschensohn, J. (2009). Snapshots of grammaticalization: Differential electrophysiological responses to grammatical anomalies with increasing L2 exposure. In J. Chandlee, M. Franchini, S. Lord, and G.-M. Rheiner (Eds.), *Proceedings of the 33rd Boston University Conference on Language Development* (pp. 528-539). Somerville, MA: Cascadia.

Tanner, D. (2007). Verb second and verbal subclasses in L2 German. In S. Moran (Ed.), *University of Washington Working Papers in Linguistics* (Vol. 26). Seattle, WA.

Tanner, D. (2006). The L2 acquisition of German V2 and the status of verb raising to COMP. In S. K. Chin & A. Fujimori (Eds.), *Proceedings of the 21st Northwest Linguistics Conference* (Vol. 1, pp. 99-112). Vancouver, BC: UBC Occasional Papers in Linguistics.

Tanner, D. (2006). Context insensitive vowel hiatus resolution in Ciyao. In S. Moran (Ed.), *University of Washington Working Papers in Linguistics* (Vol. 25). Seattle, WA.

### Published abstracts

Tanner, D. & Osterhout, L. (2012). Electrophysiological measures reveal individual differences in bilingual language processing. *Journal of Cognitive Neuroscience*, Supplement, 46.

Tanner, D., Osterhout, L., & Nicol, J. (2011). The time course of feature interference and decay in agreement processing: Evidence from event-related potentials. *Journal of Cognitive Neuroscience*, Supplement, 205.

Tanner, D., Osterhout, L. & Nicol, J. (2010). Why "The use of electronic devices are now permitted onboard the aircraft": Electrophysiological measures of complexity in long-distance agreement. *Journal of Cognitive Neuroscience*, Supplement, 266.

Tanner, D., Osterhout, L., & Herschensohn, J. (2009). Electrophysiological responses index grammatical acquisition in second language learners. *Journal of Cognitive Neuroscience*, Supplement, 125.

### **Edited volumes**

Herschensohn, J. & Tanner, D. (2011). *Proceedings of the 11<sup>th</sup> Generative Approaches to Second Language Acquisition Conference (GASLA 2011)*. Sommerville, MA: Cascadia Proceedings Project.

Moran, S., Tanner, D., & Scanlon, M. (2009). *Proceedings of the 24th Northwest Linguistics Conference* (UW Working Papers in Linguistics, Vol. 27). Seattle, WA.

## **P R E S E N T A T I O N S**

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### **Refereed conference presentations**

Tanner, Darren and Janet G. van Hell (submitted). ERPs reveal individual differences in syntactic processing strategies. Poster submitted to the 2012 Psychonomics Society Meeting, Minneapolis, MN.

Tanner, Darren and Janet G. van Hell (submitted). Individual differences in syntactic interference effects: Electrophysiological evidence. Poster submitted to the 2012 Architectures and Mechanisms for Language Processing conference, Riva del Garda, Italy.

Tanner, Darren and Lee Osterhout (April 2012). Electrophysiological measures reveal individual differences in bilingual language processing. Poster presented at the 2012 Cognitive Neuroscience Society Meeting, Chicago, IL.

Tanner, Darren (January 2012). Structural effects in agreement processing: ERP and reaction time evidence for comprehension/production asymmetries. Paper presented at the 2012 Linguistics Society of America Meeting, Portland, OR. (38% acceptance rate)

Tanner, Darren, Janet Nicol, Lee Osterhout, and Julia Herschensohn (November 2011). Electrophysiological markers of interference and structural facilitation in native and nonnative agreement processing. Paper presented at the 2011 Boston University Conference on Language Development. (34% acceptance rate)

Tanner, Darren, Lee Osterhout, and Janet Nicol (April 2011). The time course of feature interference and decay in agreement processing: Evidence from event-related potentials. Poster presented at the 2011 Cognitive Neuroscience Society Meeting, San Francisco, CA.

Tanner, Darren, Lee Osterhout, and Julia Herschensohn (January 2011). Individual differences in L2 syntactic processing: The role of morphological structure. Paper presented at the 2011 Linguistics Society of America meeting, Pittsburgh, PA. (42% acceptance rate)

Tanner, Darren, Lee Osterhout, and Julia Herschensohn (October 2010). Investigating the nature of nonnative morphological processing systems: An ERP study. Paper presented at the 2010 Second Language Research Forum, University of Maryland.

- Tanner, Darren (May 2010). Working memory and agreement processing: Effects of immediate and delayed integration. Paper presented at the 2010 Northwest Linguistics Conference, Simon Fraser University, Vancouver, BC.
- Tanner, Darren, Lee Osterhout and Janet Nicol (April 2010). Why “The use of cellular telephones are now permitted onboard the aircraft”: Electrophysiological measures of complexity in long-distance agreement. Poster presented at the Cognitive Neuroscience Society Meeting, Montreal, PQ.
- Tanner, Darren, Lee Osterhout and Julia Herschensohn (March 2009). Electrophysiological responses index grammatical acquisition in second language learners. Poster presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Tanner, Darren, Julia Herschensohn and Lee Osterhout (March 2009). Differential learning of L2 German DP/TP: Evidence from ERPs. Paper presented at the 10<sup>th</sup> Generative Approaches to Second Language Acquisition Conference, University of Illinois at Urbana-Champaign (35% acceptance rate).
- Tanner, Darren, Lee Osterhout, and Julia Herschensohn (November 2008). Snapshots of grammaticalization: Differential electrophysiological responses to grammatical anomalies with increasing L2 exposure. Paper presented at the Boston University Conference on Language Development. (30% acceptance rate)
- Tanner, Darren (October 2008). Sources of underspecification in L2 inflectional morphology. Paper presented at the Second Language Research Forum, University of Hawaii. (36% acceptance rate).
- Tanner, Darren (July 2008). Missing surface inflection in L2 speech: A performance interface account. Poster presented at the Linguistics Society of America Summer Meeting, The Ohio State University, Columbus.
- Tanner, Darren (November 2007). Underspecification and default agreement in L2 German nominals. Poster presented at the Boston University Conference on Language Development, Boston, MA. (33% acceptance rate)
- Tanner, Darren (October 2007). Agreeing that agreement isn’t the problem. Paper presented at the Second Language Research Forum, University of Illinois at Urbana-Champaign.
- Tanner, Darren (September 2007). Dative at the interface: Case, performance, and interpretable features. Paper presented at the European Second Language Association 17, University of Newcastle, Newcastle upon Tyne, UK. (35% acceptance rate)
- Tanner, Darren (February 2007). Surface deficits without representational deficits in L2 DP morphosyntax. Paper presented at the Northwest Linguistics Conference, University of Victoria, Victoria, BC.
- Tanner, Darren (October 2006). The (non)distinction in thematic/nonthematic verb raising in L2 Verb-second. Paper presented at the Second Language Research Forum, University of Washington, Seattle, Washington.

Tanner, Darren (March 2005). The L2 acquisition of German V2 and the status of verb raising to COMP. Paper presented at the 21<sup>st</sup> Northwest Linguistics Conference, University of British Columbia, Vancouver, BC.

Herschensohn, Julia, Jeff Stevenson, and Darren Tanner (April 2002). Comprehension and production in child L2 verb morphology. Poster presented at Generative Approaches to Second Language Acquisition, Ottawa, Ontario.

### **Invited talks and colloquia**

Tanner, Darren (January, 2012). The not so grand mean: Using individual differences to understand second language grammatical processing. University of Illinois at Urbana-Champaign, Department of Linguistics.

Tanner, Darren (November 2011). Using electrophysiological measures to understand individual differences in L2 and bilingual language processing. Tufts University, NeuroCognition Lab.

Tanner, Darren (August 2011). ERP and reaction time evidence for comprehension/production asymmetries in agreement processing. Penn State University, Center for Language Science.

Tanner, Darren (March 2011). The not so grand mean: Using individual differences to study second language grammatical processing. Penn State University, Center for Language Science.

Tanner, Darren (March 2011). Electrophysiology and the bilingual mind: What variability can tell us about second language grammatical learning. Northwestern University, Developmental Cognitive Neuroscience Lab.

Tanner, Darren (February 2011). A microvolt of learning: What the brain's electrical activity can reveal about second language acquisition. Portland State University, Department of Applied Linguistics.

Tanner, Darren (April 2009). What can ERPs reveal about the early stages of second language acquisition? University of Washington Linguistics Colloquium.

## **TEACHING**

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### **Workshops**

ERP methods in language research. Department of Psychology, Penn State University, Summer 2012

Using ERPLAB and R for electrophysiological data analysis. Department of Psychology, Penn State University. Summer 2012

Linguistics workshop for ESL certification, College of Education, University of Washington, Fall 2006

### **Stand-alone courses at University of Washington**

Ling 400: Survey of Linguistic Methods and Theory (6 quarters total)

Autumn 2007; Winter 2008; Spring 2008; Autumn 2008; Winter 2009; Spring 2009

Ling 449: Second Language Learning (4 quarters total)  
Spring 2005; Summer 2008; Summer 2009; Summer 2010

Ling 461: Syntax I (.5 quarters total)  
Weeks 5-10, Winter 2004

### **Courses assisted at University of Washington**

Ling 200: Introduction to Linguistic Thought (4 quarters total)  
Fall 2003, TA for Prof. Toshiyuki Ogihara; Autumn 2009, TA for Dr. Laura McGarrity; Winter 2010, TA for Prof. Barbara Citko; Spring 2010, TA for Prof. Toshiyuki Ogihara

Ling 100: Fundamentals of Grammar (2 quarters total)  
Fall 2004, Winter 2005, TA for Dr. Phillip Markley

### **Guest lectures given**

“ERPs: Methods and applications in sentence processing.” Guest lecture for Psych 525 (Graduate seminar in cognitive psychology), Autumn 2011, Penn State University.

“Neural mechanisms of second language lexical and syntactic learning.” Guest lecture for Psych 426 (Language and Thought), Autumn 2011, Penn State University.

“Examining the early stages of second language learning: Lexical and syntactic processes.” Guest lecture for Psych 447 (Psychology of Language), Autumn 2010, University of Washington.

“Electrophysiological measures of language learning.” Guest lecture for Psych 333 (Sensory and Perceptual Processes), Summer 2010, University of Washington.

“Brain and language.” Two guest lectures for Ling 200 (Introduction to Linguistic Thought), Spring 2010, University of Washington.

“Brain, language, and experimental methods in linguistics.” Two guest lectures for Ling 400 (Survey of Linguistic Theory and Methodology), Autumn 2009, University of Washington.

### **Teacher training workshops given**

“Strategies and etiquette for team teaching.” University of Washington Linguistics TA training seminar, Sept 24, 2010.

“Electronic resources for linguistics at the UW.” University of Washington Linguistics TA training seminar, March 5, 2010.

“Problem solving in small groups: A brief how-to.” University of Washington Linguistics TA training seminar, September 25, 2009.

“Teaching stand-alone classes: Preparation before the quarter starts.” University of Washington Linguistics TA training seminar, April 17, 2009.

“Using film in lecture.” University of Washington Linguistics TA training seminar, January 16, 2009.

“Unprepared for class? Consequences and strategies.” University of Washington Linguistics TA training seminar, September 19, 2008.

**Student research mentored**

Moma, Shota (2011). “The independence of syntactic and semantic processes in L2 acquisition: ERP evidence from Japanese learners of English.” Undergraduate honors thesis, Department of Psychology, University of Washington.

**ACADEMIC SERVICE**

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**Ad-hoc journal reviewer**

*Bilingualism: Language and Cognition*

*Brain and Language*

*International Journal of Psychophysiology*

*Journal of Cognitive Psychology*

*Language Learning*

*Second Language Research*

**Ad-hoc conference reviewer**

GALANA, 2012

Neurobiology of Language Conference, 2010.

24<sup>th</sup> Northwest Linguistics Conference, 2008, 2012.

Second Language Research Forum, 2012.

UIC Bilingualism Forum, 2011, 2012.

**Conference organizer**

Co-organizer for the 2011 Generative Approaches to Second Language Acquisition Conference (with Julia Herschensohn), 2011.

Co-organizer for the 24<sup>th</sup> Northwest Linguistics Conference (with Dan McCloy), 2008.

**Other service**

Lead Teaching Assistant for Linguistics, University of Washington, 2008-10.

Graduate student mentor, University of Washington, 2004-5, 2006-7, 2009-10.

Graduate and Professional Student Senate, Linguistics department senator, University of Washington, 2003-4.

Social chair for Linguistics Society at UW, 2006-7.



## PROFESSIONAL AND RESEARCH AFFILIATIONS

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Cognitive Neuroscience Society

Linguistics Society of America

Society for the Neurobiology of Language

Penn State Center for Language Science

Penn State Bilingualism and Language Development (BiLD) Lab

University of Washington Cognitive Neuroscience of Language Lab