

Curriculum Vitae

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I. EDUCATION

- 2000-2002** **Postdoctoral Fellowship**
Georgetown University, Department of Neuroscience (Prof. Michael T. Ullman)
Washington D.C., USA
- 2000** **Ph.D. (Dr. rer. nat.) in Neurobiology** (*magna cum laude*)
Free University Berlin (Prof. Randolph Menzel) / Max-Planck-Institute of
Cognitive Neuroscience, Leipzig, Germany (Prof. Angela D. Friederici)

Thesis Title: *Hirnphysiologische Korrelate prosodischer Satzverarbeitung bei
gesprochener und geschriebener Sprache* [Neurophysiological correlates of
prosodic sentence processing in spoken and written language.]
- 1995** **MA/MSc (Diplom) in Neurobiology**, (*magna cum laude*)
Free University Berlin, Germany (Prof. Randolph Menzel, Prof. A.D. Friederici)
Studies in Psychology, Biology, Philosophy at the University of Hamburg and
Free University Berlin
- 1988** **BA (Vordiplom) in Neurobiology**,
Free University Berlin, Germany (Prof. Randolph Menzel, Prof. A.D. Friederici)

II. PROFESSIONAL EXPERIENCE

Fall 2011	Visiting Research Scientist ESRC Research Centre for Research on Bilingualism, Bangor University, Bangor, Wales, UK
Summer 2011	Visiting Research Fellow University of Zurich, Department of Neuropsychology, Zurich, Switzerland
July 2009 -	Associate Professor School of Communication Sciences and Disorders, McGill University <u>Research interests:</u> <i>Processing and neural bases of language: Prosody, syntax, semantics, word recognition, lexical integration, punctuation, subvocalization; natural and artificial language acquisition (L1 and L2), logical semantics.</i>
2003 – 2009	Assistant Professor (SCSD, McGill University)
Summer 2006	Visiting Research Fellow Max-Planck Institute for Human Cognitive and Brain Sciences, Department of Neuropsychology, Leipzig, Germany
Jan-Sept 2003	Research Assistant Professor Department of Neuroscience, Georgetown University
2000 - 2003	Co-Director, Technical Manager and Research Coordinator Georgetown Cognitive Neuroscience EEG/ERP Laboratory (Georgetown University Core Facility for human neuro-electrophysiology)
2000 - 2002	Postdoctoral Fellow / Research Associate Brain and Language Laboratory, Department of Neuroscience Georgetown University
1995 - 2000	Research Fellow Max Planck Institute of Cognitive Neuroscience, Leipzig, Germany
1995 -1996	Research Coordinator EEG/ERP Laboratory MPI of Cognitive Neuroscience, EEG Lab Berlin, Germany

FELLOWSHIPS AND AWARDS (in addition to Visiting Researcher awards, see above)

2008 – 2013	Canada Research Chair in Neurocognition of Language (Renewal)
2003 – 2008	Canada Research Chair in Neurocognition of Language
1995 – 1999	Research Fellow (German Research Foundation)
1997	ESCOP Summerschool (European Society for Cognitive Psychology)

III. SCHOLARSHIP AND RESEARCH

A. FUNDING

A-1 RESEARCH SUPPORT – SALARY AWARDS

2008 – 2013	<i>Canada Research Chair in Neurocognition of Language</i> <u>CRC Program / Canadian Institutes of Health Research (CIHR)</u>	\$ 500,000
2003 – 2008	<i>Canada Research Chair in Neurocognition of Language</i> <u>CRC Program / Canadian Institutes of Health Research (CIHR)</u>	\$ 500,000

A-2 RESEARCH SUPPORT – INFRASTRUCTURE GRANTS

2003 – 2005	<i>Research Laboratory for Studies in the Neurocognition of Language</i> <u>Canadian Foundation for Innovation (CFI) / Quebec</u> PI: Steinhauer, Karsten	\$ 349,000
2001	<i>Proposal for EEG/ERP core facility</i> <u>Office of the Dean of Research, Georgetown University</u> PI: Ullman, M.T. (Co-PI: Karsten Steinhauer)	\$ 21,400

A-3 RESEARCH SUPPORT – OPERATING GRANTS

2012 – 2013	<p><i>“Studying the time-course of lexical access using masked priming”</i> <u>Centre for Research on Brain, Language and Music</u> PI: Royle, Phaedra (Co-PI: Karsten Steinhauer)</p>	\$ 10,000
2009 – 2013	<p><i>“Effets de maturation sur l'acquisition et le traitement langagiers.”</i> <u>Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC)</u> PI: White, Lydia (Co-PIs: Karsten Steinhauer + 5 others)</p>	\$ 420,000
2012 – 2016	<p><i>“Brain signatures of nativeness in second language acquisition II”</i> <u>Natural Sciences and Engineering Research Council (NSERC)</u> PI: Steinhauer, Karsten</p>	\$ 155,000
2009 – 2012	<p><i>“Tracking L1 acquisition of syntax and semantics in French nominal expressions: A combined theoretical and electrophysiological approach”</i> <u>Social Sciences and Humanities Research Council of Canada (SSHRC)</u> PI: Royle, Phaedra (Co-PIs: Karsten Steinhauer + 3 others)</p>	\$ 166,000
2007 – 2010	<p><i>“Locating logical semantics in the temporal dynamics of language comprehension”</i> <u>Social Sciences and Humanities Research Council of Canada (SSHRC)</u> PI: Steinhauer, Karsten (Co-PIs: Veena Dwivedi and John Drury)</p>	\$ 124,288
2007 – 2009	<p><i>“Dimensions of semantic processing: A combined fMRI/ERP study”</i> <u>Centre for Research on Language, Mind and Brain (CRLMB)</u> PI: Steinhauer, Karsten (Co-PIs: Yosef Grodzinsky and John Drury)</p>	\$ 10,000
2005 – 2010	<p><i>“Brain signatures of nativeness in second language acquisition”</i> <u>Natural Sciences and Engineering Research Council (NSERC)</u> PI: Steinhauer, Karsten (Co-PIs: Lydia White and Fred Genesee)</p>	\$ 134,045
2005 – 2009	<p><i>“Electrophysiological investigations of prosodic processing”</i> <u>Canadian Institutes of Health Research (CIHR)</u> PI: Steinhauer, Karsten (Co-PIs: Shari Baum and Caroline Palmer)</p>	\$ 253,497
2004 – 2009	<p><i>“Speech processing subsequent to focal brain damage”</i> <u>Canadian Institutes of Health Research (CIHR)</u> PI: Baum, Shari (Co-PI: Karsten Steinhauer)</p>	\$ 361,679
2004 – 2005	<p><i>“Brain signatures of nativeness in ‘native-like’ late second language”</i> <u>Centre for Research on Language, Mind and Brain (CRLMB)</u> PI: Steinhauer, Karsten (Co-PIs: Lydia White and Fred Genesee)</p>	\$ 7,500
2004 – 2005	<p><i>“The neural processes involved in idiom processing in English/French bilinguals”</i> <u>Centre for Research on Language, Mind and Brain (CRLMB)</u> PI: Titone, Debra (Co-PI: Karsten Steinhauer)</p>	\$ 7,500
2004 – 2005	<p><i>“Electrophysiological studies of discourse comprehension”</i> <u>Centre for Research on Language, Mind and Brain (CRLMB)</u> PI: Dwivedi, Veena (Co-PIs: K. Steinhauer, S. Baum, N. Phillips)</p>	\$ 7,500
2001 – 2003	<p><i>“Effects of Donepezil Therapy on Cognition and on Electrophysiological and Neuroimaging Measures of Brain Activity”</i> <u>Pfizer Inc. (USA)</u> PIs: Aisen, P. & Ullman, M.T (Co-PI: K. Steinhauer)</p>	\$ 315,000
2000 – 2002	<p><i>“Temporal segmentation of acoustic input II: Prosodic, syntactic, and lexical processing”</i> <u>German Research Foundation (Deutsche Forschungsgemeinschaft)</u> PIs: Steinhauer, K., Friederici, A.D. & Steube, A.</p>	\$ 105,000

B. INVITED LECTURES

- 2012 Brain signatures of prosodic processing in real-time. *Department of Linguistics, MacMaster University, Hamilton, Ontario; September 2012.*
- 2012 Brain signatures of prosodic processing in real-time. *LabPhon 13 Conference, Stuttgart (Germany); 27-29 July 2012. [keynote speaker]*
- 2012 On the early left-anterior negativity (ELAN) in syntax studies. *Seminar für Sprachwissenschaft, Universität Tübingen, Tübingen (Germany); July 2012.*
- 2012 The temporal dynamics of second language acquisition: The role of AoA, L2-proficiency, L1-transfer and training environment as reflected by ERPs. *International Conference on Bilingualism and Comparative Linguistics, Hongkong (PR China); 15-16 May 2012. [invited symposium]*
- 2012 Qu'est-ce qu'il se passe dans le cerveau quand nous apprenons une langue seconde après l'enfance? *80th ACFAS Conference, Symposium on « Recherches sur le bilinguisme et le multilinguisme: Un partage du savoir », Montreal (Canada); 8 May 2012. [keynote speaker – Présentations grand public]*
- 2012 On syntax, brain potentials, and critical periods in L2: Facts and myths. *Invited Speakers' Series, University of California – San Diego (UCSD / Kutas lab), San Diego (CA, USA), 09 April 2012.*
- 2012 The temporal dynamics of second language acquisition: The role of AoA, L2-proficiency, L1-transfer and training environment as reflected by ERPs. *2012 AAAL Conference – Symposium on “Age and Second Language Learning”, Boston (USA); 24-27 March 2012. [invited symposium]*
- 2012 Syntactic processing, event-related brain potentials, and critical periods in L2: Facts and myths. *Invited Speakers' Series, Department of Linguistics, University of Ottawa, Ottawa (Ontario, Canada); 16-17 March 2012.*
- 2012 On syntax, brain potentials, and critical periods in L2: Facts and myths. *Distinguished Language Science Colloquium, Center for Language Science, Pennsylvania State University, University Park (PE, USA); 15-17 February 2012.*
- 2011 Semantic blocking: More ERP evidence for syntax-first models? *Max Planck Institute for Human Cognitive and Brain Research, Leipzig (Germany); November 2011.*
- 2011 On the early left-anterior negativity (ELAN) in syntax studies. *Max Planck Institute for Human Cognitive and Brain Research, Leipzig (Germany); November 2011.*
- 2011 ERPs and second language acquisition. *Department of Linguistics, ESRC Centre for Research on Bilingualism, Bangor, Wales (United Kingdom); October 2011.*
- 2011 The early left-anterior negativity (ELAN) in ERPs: Facts and myths. *Department of Linguistics, ESRC Centre for Research on Bilingualism, Bangor, Wales (United Kingdom); October 2011.*
- 2011 What event-related brain potentials ERPs do and don't tell us about syntax-first processing. *Department of Linguistics, University of Konstanz, (Germany); June 2011.*
- 2011 Friederici's syntax-first model of sentence processing - Part 2: Semantic blocking. *Department of Neuropsychology, University of Zuerich (Switzerland); Juni 2011.*

- 2011 Angela Friederici's serial syntax-first model of sentence processing and the early left-anterior negativity (ELAN) in ERPs: Facts and myths. Department of Neuropsychology, University of Zuerich (Switzerland); Juni 2011.
- 2011 ERP effects and ERP artifacts in studies on (morpho-)syntactic processing in first and second language. Speaker Series – Basque Center on Cognition, Brain and Language (BCBL), Donostia - San Sebastián, Spain, April 2011.
- 2010 The impact of prosody on syntactic parsing decisions in real-time: Brain signatures of prosodic phrasing in speech (and music). Linguistics Lecture Series – Linguistics Department, Stony Brook University, NY, (USA). November 2010.
- 2010 How critical is the critical period in second language acquisition? Evidence from event-related brain potentials. Linguistic Lectures Series – General Audience, Stony Brook University, NY (USA). November 2010.
- 2010 Insights into L2 processing from an artificial language. Second Language Research Forum 2010 (SLRF) – Colloquium on “L2 Processing”, University of Maryland, College Park (MA, USA), October 2010.
- 2010 The early left-anterior negativity (ELAN) in ERPs: Facts and myths. 11th Science of Aphasia Conference, Potsdam University, Potsdam (Germany), August 2010. [keynote speaker]
- 2010 The Closure Positive Shift in prosody research: The state of affairs. Linguistic Colloquium, CUNY Graduate Center, New York City, (NY), March 2010.
- 2010 ERP studies and baseline problems in psycholinguistic research. The Brain Development Lab, University of Oregon, Eugene (Oregon, USA), March 2010.
- 2009 Electrophysiological correlates of speech prosody. Annual Meeting of Theoretical & Experimental Neuropsychology (TENNET), Concordia University, Montreal, June 2009. [keynote speaker]
- 2009 ERP signatures of accent processing and musical phrasing. International Laboratory for Brain, Music, and Sound Research (BRAMS), Université de Montréal, January 2009.
- 2008 The temporal dynamics of second language acquisition as revealed by ERPs. International Symposium on Mechanisms of Learning, Brain Plasticity, and Critical Period, McGill University, Montreal, June 2008
- 2008 Brain signatures of prosodic phrasing and (in-)transitivity biases. Conference on Experimental and theoretical advances in prosody, Cornell University, Ithaca (NY), April 2008. [keynote speaker]
- 2007 The temporal dynamics of second language acquisition as revealed by ERPs. Symposium on Second Language Development: Grammar and Processing, University of Groningen, Groningen, The Netherlands, December 2007.
- 2007 The neural bases of language and related cognitive faculties. Annual CRLMB Research Meeting, McGill University, Montreal, June 2007.
- 2007 ERP approaches to prosodic phrasing and phoneme perception. Haskins Laboratories: Workshop to promote a partnership between CRLMB and Haskins Labs, New Haven, Connecticut (USA), April 2007.
- 2007 Commas in the Brain: Electrophysiological correlates of punctuation processing. Jahrestagung, Deutsche Gesellschaft fuer Sprachwissenschaft (German Society for Linguistics, Annual Meeting 2007), Siegen (Germany); February 2007.
- 2006 The CPS in Language and Music. Berlin NeuroImaging Center, Dept. of Neurology, Charité Campus Humboldt-University, Berlin (Germany); August 2006.

- 2006 Brain dynamics of second language learning and processing. Helmholtz Center for the Study of Mind and Brain Dynamics, Humboldt University Berlin and University of Potsdam, Berlin Adlershof, (Germany); August 2006.
- 2006 ERP analysis of a study on spoken English garden path sentences. International Workshop on EEG/ERP Data Analysis, McGill University, Montreal, Quebec, July 2006.
- 2006 The Closure Positive Shift in ERPs – A brain marker of prosodic processing. Department of Linguistics, University of Konstanz (Germany); July 2006.
- 2006 ERP Approaches to Late Second Language Learning. Cognitive Science Program Seminar, University of Arizona, Tucson (AZ); April 2006.
- 2005 Psycholinguistics Electrified. Clinical Supervisors Meeting; McGill University; June 2005.
- 2005 ERP approaches to second language and bilingualism. Cognitive Neuroscience Unit, Montreal Neurological Institute (MNI); April 2005.
- 2004 New applications of event-related potentials in psycholinguistic research. Department of Psychology, Dalhousie University, Halifax, March 2004.
- 2004 Electro-physiological studies of language. Centre for Research on Language, Mind and Brain (CRLMB); Montreal, Canada, February 2004.
- 2003 ERP correlates of prosodic sentence processing in listeners and readers. School of Communication Sciences and Disorders, McGill University, Montreal, Canada, January 2003.
- 2003 NeuroImaging of Language I; Lectures 3-6. Linguistic Society of America, Summer Institute 2003, Michigan State University, Lansing, MI, July 2003.
- 2002 Broca's area and the 'critical period' in language learning. Workshop on Language and Motor Integration: Neuroimaging and Computational Modeling, Center for Functional Imaging Studies, Institute for Adaptive and Neural Computation, University of Edinburgh, Scotland, UK, September 2002.
- 2000 ERP correlates of prosodic sentence processing in listeners and readers. Cognitive Neuroscience of Language Laboratory, University of Maryland, College Park, MD, USA, November 2000.
- 1998 Brain responses to prosodic processing in natural speech. Cognitive Psychophysiology Laboratory, Medical School Brisbane, Australia, November 1998
- 1998 The temporal structure of language processing: Evidence from ERPs. Cognitive Psychophysiology Laboratory, Medical School Brisbane, Australia, November 1998
- 1998 ERPs and language comprehension: Syntax, semantics and the working memory. Department of Psychology, University of Melbourne, Melbourne, Australia, November 1998
- 1998 Die Syntax-Prosodie-Verarbeitung - Produktion und Perzeption. Austrian Research Institute of Artificial Intelligence, Vienna, Austria, April 1998.
- 1998 Die Verarbeitung prosodischer Information und deren Korrelate in der Hirnaktivität. Gradientenkolleg am Zentrum für Kognitionswissenschaften der Universität Leipzig, Leipzig, Germany, February 1998
- 1997 Lexical integration: Sequential effects of syntactic and semantic information. ESOP European Society for Cognitive Psychology, Summer School Psychology of Language, Bressanone, Italy, June 1997.
- 1997 Das Gehirn auf dem Holzweg: Ereigniskorrelierte Potentiale bei der Verarbeitung von Gardenpath-Sätzen. 'Ringvorlesung generative und kognitive Linguistik' des Instituts für Germanistische Sprachwissenschaft, Universität Jena, Germany, July 1997
- 1995 Parsing preferences and their revisions as revealed by brain responses: An ERP

study. Abteilung Kognitionswissenschaft des Instituts für Informatik und Gesellschaft, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany, November 1995

- 1995 Wenn Möllemann Kohl mag - wen mag dann wer? Die Auflösung sprachlicher Mehrdeutigkeiten und ereigniskorrelierte Hirnaktivität. Institut für Allgemeine Psychologie der Freien Universität Berlin, Berlin, Germany, June 1995

C. PUBLICATIONS (Names of trainees under my supervision are underlined)

C-1 PEER-REVIEWED FULL-LENGTH JOURNAL ARTICLES

Published and accepted peer-reviewed articles

1. Royle, P., Drury, J.E., Bourguignon, N., & **Steinhauer, K.** (accepted pending revision). The temporal dynamics of inflected word recognition: A masked ERP priming study of French verbs. *Neuropsychologia*. [NSY-S-11-01213-2]
2. Klepousniotou, E., Pike, B., **Steinhauer, K.** & Gracco, V. (in press). Not all ambiguous words are created equal: An ERP investigation of homonymy and polysemy. *Brain and Language* [BRLN-11-153]
3. Bourguignon, N., Drury, J.E., Valois, D., & **Steinhauer, K.** (in press). Decomposing animacy reversals between Agents and Experiencers: An ERP study. *Brain and Language*. [YBRLN_3979]
4. Morgan-Short, K., **Steinhauer, K.**, Sanz, C., & Ullman, M.T. (2012). Explicit and implicit second language training differentially affect the achievement of native-language brain patterns. *Journal of Cognitive Neuroscience*, 24 (4), 933-947. (doi: 10.1162/jocn_a_00119).
5. **Steinhauer, K.** & Drury, J.E. (2012). On the early left-anterior negativity (ELAN) in syntax studies. *Brain and Language*. 120 (2), 135-162. (doi: 10.1016/j.bandl.2011.07.001)
6. Hwang, H. & **Steinhauer, K.** (2011). Phrase length matters: The interplay between implicit prosody and syntax in Korean 'garden path' sentences. *Journal of Cognitive Neuroscience*, 23 (11), 3555-3575. (doi:10.1162/jocn_a_00001)
7. Pauker, E., Itzhak, I., Baum, S.R., **Steinhauer, K.** (2011). Effects of cooperating and conflicting prosody in spoken English garden path sentences: ERP evidence for the boundary deletion hypothesis. *Journal of Cognitive Neuroscience*, 23 (10), 2731-2751. (doi: 10.1162/jocn.2011.21610)
8. Dwivedi, V.D., Drury, J.E., Molnar, M., Phillips, N.A., Baum, S.R., **Steinhauer, K.** (2010). ERPs reveal sensitivity to hypothetical contexts in spoken discourse. *Neuroreport* 21, 791-795
9. **Steinhauer, K.**, Drury, J.E., Portner, P., Walenski, M., & Ullman, M.T. (2010). Syntax, concepts, and logic in the temporal dynamics of language comprehension: Evidence from event-related potentials. *Neuropsychologia*, 48 (6), 1525-1542.
10. **Steinhauer, K.**, Abada, S.H., Pauker, E., Itzhak, I., & Baum, S.R. (2010). Prosody-syntax interactions in aging: Event-related potentials reveal dissociations between on-line and off-line measures. *Neuroscience Letters*, 472 (2), 133-138.
11. Morgan-Short, K., Sanz, C., **Steinhauer, K.**, & Ullman, M.T. (2010). Second language acquisition of gender agreement in explicit and implicit training conditions: An event-related potential study. *Language Learning*, 60, 154-193.

12. Itzhak, I., Pauker, E., Drury, J.E., Baum, S.R., & **Steinhauer, K.** (2010). Event-related potentials show online influence of lexical biases on prosodic processing. *NeuroReport*, 21, 8-13.
13. Palmer, C., Jewett, L., **Steinhauer, K.** (2009). Contextual effects on electrophysiological response to musical accents. *The Neurosciences and Music III: Disorders and Plasticity, Annals of the New York Academy of Sciences*, 1169, 470-480.
14. **Steinhauer, K.**, White, E. & Drury, J.E. (2009). Temporal dynamics of late second language acquisition: Evidence from event-related brain potentials. *Second Language Research*, 25 (1), 13-41.
15. Meyer, M., **Steinhauer, K.**, Alter, K., Friederici, A.D., von Cramon, D.Y. (2004). Brain activity varies with modulation of dynamic pitch variance in sentence melody. *Brain and Language*, 89(2):277-89.
16. **Steinhauer, K.** (2003). Electrophysiological correlates of prosody and punctuation. *Brain and Language*, 86 (1), 142-164.
17. Friederici, A.D., **Steinhauer, K.** & Pfeifer, E. (2002). Brain signatures of artificial language acquisition: Evidence challenging the critical period hypothesis. *Proceedings of the National Academy of Sciences USA*, 99, 529-534.
18. **Steinhauer, K.** & Friederici, A.D. (2001). Prosodic boundaries, comma rules, and brain responses: The Closure Positive Shift in ERPs as a universal marker for prosodic phrasing in listeners and readers. *Journal of Psycholinguistic Research*, 30 (3) 267-295.
19. **Steinhauer, K.**, Pancheva, R., Newman, A.J., Gennari, S. & Ullman, M.T. (2001). How the mass counts: An electrophysiological approach to the processing of lexical features. *Neuroreport*, 12 (5), 999-1005.
20. Friederici, A.D., Mecklinger, A., Spencer, K., M., **Steinhauer, K.**, & Donchin, E. (2001). Syntactic parsing preferences and their on-line revisions: A spatio-temporal analysis of event-related brain potentials. *Cognitive Brain Research*, 11, 305-323.
21. Friederici, A.D., **Steinhauer, K.**, & Frisch, S. (1999). Lexical integration: Sequential effects of syntactic and semantic information. *Memory and Cognition*, 27, (3), 438-453.
22. **Steinhauer, K.**, Friederici, A.D., & Alter, K. (1999). Brain potentials indicate immediate use of prosodic cues in natural speech processing. *Nature Neuroscience*, 2, 191-196.
23. Friederici, A.D., **Steinhauer, K.**, Mecklinger, A., & Meyer, M. (1998). Working memory constraints on Syntactic Ambiguity Resolution as Revealed by Electrical Brain Responses. *Biological Psychology*, 47, 193-221.
24. **Steinhauer, K.**, Mecklinger, A., Friederici, A.D., & Meyer, M. (1997). Probability and strategy: An event-related potential study of processing syntactic anomalies. *Zeitschrift fuer Experimentelle Psychologie*, 2, 305-331.
25. Mecklinger, A., Schriefers, H., **Steinhauer, K.**, & Friederici, A.D. (1995). Processing relative clauses varying on syntactic and semantic dimensions: An analysis with event-related potentials. *Memory and Cognition*, 23, 477-494.

Articles submitted or under revision

1. Bowden, H.W., Sanz, C., **Steinhauer, K.**, & Ullman, M.T. (**under revision**). Can you attain native-like brain processing of syntax when you learn a foreign language through college? *Neuropsychologia*. (NSY-D-12-00237)

2. **Steinhauer, K., White, E., Genesee, F. (submitted).** Proficiency and first language transfer effects in a late acquired second language: ERP evidence from a balanced word-category violation paradigm. *NeuroImage*. [NIMG-12-1511]
3. **White, E.J., Genesee, F., Titone, D. & Steinhauer, K. (submitted).** Native-like Phonological Processing by Late Second Language Learners: ERP Evidence from Syllable- and Word-Level Processing. *Journal of Memory and Language*
4. **Hwang, H. & Steinhauer, K. (under revision).** A rational parser's approach to implicit prosody: Exploring the effects of phrase length.
5. **Molnar, M., Polka, L., Baum, S.R., Menard, L. & Steinhauer, K. (under revision).** Vowel categorization of monolingual and simultaneous bilingual speakers of English and French: Effects of language experience and language mode. *JASA*. Ref# 09-08421
6. Ullman, M.T. Walenski, M., Prado, E., Ozawa, K., **Steinhauer, K. (under revision).** The compositionality and storage of inflected forms: Evidence from working memory effects. *Cognition*.
7. **Drury, J.E., Steinhauer, K., Pancheva, R., Ullman, M.T. (under revision).** (In)Definiteness ERP Effects in Existential Constructions: On the Temporal Dynamics of Logical-Semantic/Pragmatic Processing. *Brain Research* (BRES-D-08-01515)
8. **Molnar, M., Baum, S.R., Polka, L., & Steinhauer, K. (submitted).** Learning two languages from birth shapes the pre-attentive process of speech perception: Electrophysiological correlates of vowel discrimination in monolingual and simultaneous bilingual users of English and French. *Cognition*. (Ms. Ref. No.: COGNIT-D-11-00055)
9. **Drury, J.E., Steinhauer, K., Ullman, M.T. (under revision).** Left anterior negativities, verbal inflectional morphology, and (ir)regularity: An ERP study. *NeuroImage*.
10. **White, E.J., Genesee, F., & Steinhauer, K. (submitted).** First Language Effects on Neuro-Cognitive Processing in Late Second Language Learners. *Bilingualism: Language and Cognition*.
11. **White, E.J., Genesee, F., & Steinhauer, K. (submitted).** ERP Correlates of Individual Differences in Second Language Learning Trajectories. *Bilingualism: Language and Cognition*.

In preparation:

- **Steinhauer, K., Drury, J.E., & Royle, P. (in prep).** The priming of priming: ERP evidence for the priming of the type of semantic relationships. *Neuroscience Letters*.
- **Hutchins, S., Steinhauer, K., & Palmer, C. (in prep).** Repetition priming in melodies: An ERP study. *Journal of Cognitive Neuroscience*.
- **Steinhauer, K. & Pauker, E. (under revision).** Teasing apart ERP correlates of syntactic violations and context-driven artifacts: Evidence from a balanced auditory paradigm. *Neuroimage*.
- **Hwang, H. & Steinhauer, K. (in prep).** Prosodic effects of phrase length in Korean spoken garden-path sentences: An ERP study.
- **Prévost, A.E., Goad, H., & Steinhauer, K. (in prep).** Brain signatures of prosodic transfer in second language learners.
- **Steinhauer, K. & Hwang, H. (in prep).** ERP correlates of grammar violations in Korean.
- **Steinhauer, K., Hwang, H., Drury, J., Valeriote, H. & Baum, S.R. (in prep).** ERP effects of punctuation: Evidence from English garden path sentences. *Biological Psychology*
- **Steinhauer, K. (in prep).** How the brain processes spoken sentences: Facts and myths.
- **Nickels, S., Opitz, B., & Steinhauer, K. (in prep).** The interplay of prosodic phrasing and syntactic processing in second language learners: An ERP study. *NeuroReport*.

- Abada, S.H., Baum, S.R., Drury, J.E. & **Steinhauer, K. (in prep)**. Electrophysiological investigations of cross-modal interactions of phrasal interpretation and semantics. *Nature Neuroscience*
- **Steinhauer, K. (in prep)**. Prosodic phrasing in speech and music as revealed by event-related brain potentials.

C-2 PEER-REVIEWED SHORT PAPERS / CONFERENCE PROCEEDINGS (3-12 PAGES)

1. **Steinhauer, K. (2012)**. Electrophysiological correlates of prosodic processing. *Abstract Book of the 13th Conference on Laboratory Phonology*, Stuttgart, Germany (July 27–29, 2012), p. 106-108.
2. **Steinhauer, K. (2011)**. Combining Behavioral Measures and Brain Potentials to Study Categorical Prosodic Boundary Perception and Relative Boundary Strength. *Proceedings of the 17th International Congress of Phonetic Sciences (ICPhS XVII), Hongkong (China)*, p. 1898-1901.
3. Prévost, A.E., Goad, H., & **Steinhauer, K. (2011)**. Prosodic transfer: An event-related potentials approach. *Proceedings of the 6th International Symposium on the Acquisition of Second Language Speech, New Sounds 2010, Poznań, Poland, 1-3 May 2010*. (eds. Katarzyna Dziubalska-Kołaczyk, Magdalena Wrembel, Małgorzata Kul), 361-366. (ISBN: 978-83-928167-9-9)
4. Royle, P., Drury, J.E., Bourguignon, N. & **Steinhauer, K. (2010)**. Morphology and word recognition: An ERP approach. In: Heijl, Melinda (Ed.), *Proceedings of the 2010 annual conference of the Canadian Linguistic Association*, 1-13. ISSN 0027-9633
5. Abada, S., **Steinhauer, K.**, Drury, J.E., & Baum, S.R. (2010). Age differences in electrophysiological correlates of cross-modal interpretation. *Speech Prosody 2010 Proceedings, 100346:1-4*.
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 86. Friederici, A.D., Mecklinger, A., **Steinhauer, K.**, & Hahne, A. (1995). Processing violations of syntactic structure versus violations of syntactic preferences: Evidence from ERP studies. *Proceedings of the 8th Annual CUNY Conference on Human Sentence Processing, University of Arizona, USA, March 1995.*
 87. **Steinhauer, K.**, Mecklinger, A., Friederici, A.D., & Meyer, M. (1995). Wenn Anwaelte Mandanten taesuchen ... - Ereigniskorrelierte Hirnpotentiale beim Verstehen lokal ambiger Satzstrukturen. In: O. Guentuerkuen, R. Guski, C. Walter, & A. Wollenschlaeger (Eds.), *Experimentelle Psychologie: Beitrage zur 37. Tagung experimentell arbeitender Psychologen.* Regensburg.
 88. **Steinhauer, K.**, Mecklinger, A., Schriefers, H., & Friederici, A.D. (1994). Hirnphysiologische Korrelate beim Lesen lokal ambiger Relativsaetze. *36. Tagung experimentell arbeitender Psychologen und Psychologinnen, Munich, Germany, March 1994.*
 89. **Steinhauer, K.**, Mecklinger, A., Schriefers, H., & Friederici, A.D. (1993). Monitoring the reading of German relative clauses: An analysis with event-related potentials. *Psychophysiology, 30, 63.*

C-6-2 OTHER PUBLISHED CONFERENCE ABSTRACTS

90. **Steinhauer, K.**, Drury, J.E., Bourguignon, N. & Kasparian, K. (2010). L1 grammar influences L2 processing: ERP Evidence of Transfer Effects. *Journal of Cognitive Neuroscience, Supplement 2010.*
91. White, E.J., Westerlund, M., Genesee, F. & **Steinhauer, K.** (2010). ERP Evidence for Phonological and Lexical Processing of Non-native Phonemic Contrasts in Late Second Language Learners. *Journal of Cognitive Neuroscience, Supplement 2010.*
92. Hwang, H. & **Steinhauer, K.** (2010). Prosodic phrasing in spoken Korean garden path sentences: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2010.*

93. Drury, J.E., Ullman, M.T. & **Steinhauer, K. (2010)**. Show us the baseline: On the status of syntactic eLAN effects in reading studies. *Journal of Cognitive Neuroscience, Supplement 2010*.
94. Royle, P., Drury, J.E., Bourguignon, N. & **Steinhauer, K. (2010)**. Morphology is not reducible to the combination of semantics and orthography: A priming task for French verbs. *Journal of Cognitive Neuroscience, Supplement 2010*.
95. Abada, S.H., Baum, S.R., Drury, J.E. & **Steinhauer, K. (2010)**. Electrophysiological Investigations of Cross-modal Interactions of Phrasal Interpretation and Semantics. *Journal of Cognitive Neuroscience, Supplement 2010*.
96. **Steinhauer, K.**, Nickels, S., Saini, A.K.S., Duncan, C. (2009). Domain-specific or shared mechanisms of prosodic phrasing in speech and music? New evidence from event-related potentials. *Journal of Cognitive Neuroscience, Supplement 2009, G-73*.
97. White, E.J., Genesee, F., & **Steinhauer, K. (2009)**. Before and After: An ERP study of the neuro-cognitive changes associated with late second language learning. *Journal of Cognitive Neuroscience, Supplement 2009*.
98. Pauker, E., Itzhak, I., Abada, S., Baum, S.R., & **Steinhauer, K. (2009)**. Older adults' processing of prosody in spoken English garden-path sentences: A dissociation between online ERP data and offline behavioral data. *Journal of Cognitive Neuroscience, Supplement 2009*.
99. Molnar, M., Polka, L., Baum, SR, & **Steinhauer, K. (2009)**. Bilingual and monolingual vowel perception: an ERP study. *Journal of Cognitive Neuroscience, Supplement 2009*.
100. Hutchins, S., Palmer, C. & **Steinhauer, K. (2009)**. Repetition priming in music: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2009*.
101. Dwivedi, V., Baum, S.R., Drury, J.E. & **Steinhauer, K. (2009)**. ERP Evidence for Modal Subordination in Spoken Sentences *Journal of Cognitive Neuroscience, Supplement 2009*.
102. Drury, J.E., White, E., White, L., & **Steinhauer, K. (2009)**. Brain potentials and the processing of (in)definiteness in late learners of English *Journal of Cognitive Neuroscience, Supplement 2009*.
103. Abada, S.H., Drury, J., Baum, S.R. & **Steinhauer, K. (2009)**. Electrophysiological Investigation of Interactions of Prosody and Semantics in Cross-Modal Phrasal Interpretations. *Journal of Cognitive Neuroscience, Supplement 2009*.
104. Morgan-Short, K., Steinhauer, K., & Ullman, MT (2009). The neurocognition of morpho-syntactic processing in second language: An artificial language study *Journal of Cognitive Neuroscience, Supplement 2009*.
105. **Steinhauer, K.**, Nadeau-Noel, K., Drury, J.E., Royle, P. (2008). The priming of priming: A cross-linguistic ERP study. *Journal of Cognitive Neuroscience, Supplement 2008, G51, 216*.
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107. Drury, J.E., Dwivedi, V., & **Steinhauer, K. (2008)**. Logical semantics in language processing: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2008, H67, 249*.
108. **Steinhauer, K.**, Drury, J., Portner, P., Walenski, M., & Ullman, M.T. (2007). Brain potentials in formal semantics: Licensed versus unlicensed negative polarity items (NPIs). *Journal of Cognitive Neuroscience, Supplement 2007, H122, 284*.
109. Drury, J., **Steinhauer, K.**, Ullman, M.T. (2007). Violating inflectional expectations and morphological (ir)regularity: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2007, G111, 249*.

110. Titone, D., Wiebe, S., Rivard, M.E., **Steinhauer, K.** (2007). Electrophysiological correlates of idiom processing. *Journal of Cognitive Neuroscience, Supplement 2007, D146*, 88.
111. Bowden, H.W., **Steinhauer, K.**, Sanz, C., Ullman, M.T. (2007). An ERP study of proficiency in second language. *Journal of Cognitive Neuroscience, Supplement 2007, E61*, 170.
112. Morgan-Short, K., **Steinhauer, K.**, Sanz, C., Ullman, M.T. (2007). An ERP investigation of second language processing effects of proficiency and explicit and implicit training. *Journal of Cognitive Neuroscience, Supplement 2007, E34*, 164.
113. Pauker, E., Itzhak, I., **Steinhauer, K.**, Drury, J., Baum, S.R. (2007). An ERP study on prosodically driven pronominal (dis)agreement. *Journal of Cognitive Neuroscience, Supplement 2007, D85*, 142.
114. Itzhak, I., Pauker, E., Drury, J., Baum, S.R., **Steinhauer, K.** . (2007). The interaction of prosody and verb transitivity biases during the processing of spoken garden path sentences: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2007, H146*, 290.
115. White, E., Genesee, F., Drury, J., **Steinhauer, K.** (2007). Before and after: An ERP investigation of late second language learning in an intensive language course. *Journal of Cognitive Neuroscience, Supplement 2007, H143*, 290.
116. Wiebe, S., Rivard, M., **Steinhauer, K.**, & Titone, D. (2006). Qualitative differences in N400 between high-cloze idioms and literal sentences. *Psychophysiology*, 43, S106-S107.
117. Pauker, E., Itzhak, I., Baum, S. & **Steinhauer, K.** (2006). Co-operating and conflicting prosody in spoken English garden-path sentences: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2006, D73*, 130.
118. Klepousniotou, E., Pike, B., **Steinhauer, K.** & Gracco, V. (2006). Meaning activation patterns of homonymy and polysemy: An EEG investigation. *Journal of Cognitive Neuroscience, Supplement 2006, C41*, 91.
119. **Steinhauer, K.**, White, E., King, E., Cornell, S., Genesee, F. & White, L. (2006). The neural dynamics of second language acquisition: Evidence from event-related potentials. *Journal of Cognitive Neuroscience, Supplement 2006, C77*, 99.
120. Pauker, E., Itzhak, I., Baum, S. & **Steinhauer, K.** (2006). Co-operating and conflicting prosody in spoken English garden-path sentences: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2006, D73*, 130.
121. Drury, J., **Steinhauer, K.**, Pancheva, R. & Ullman, M.T (2006). The Definiteness Effect: An ERP study. *Journal of Cognitive Neuroscience, Supplement 2006, G64*, 225.
122. **Steinhauer, K.**, Rivard M.-E., & Titone, D. (2005). Code switching in bilinguals: An ERP study. *Journal of Cognitive Neuroscience, Suppl 2005; F199*; 206.
123. **Steinhauer, K.** , Moffa M., Wood, R.A., Shore, L., Estabrooke, I.E. (2004). The priming of priming: An ERP study. *Journal of Cognitive Neuroscience, Suppl 2004; F86*.
124. **Steinhauer, K.**, Portner, P., Walenski, M., Ortinski, P., Weisberg, J., Wood, R. & Ullman, M.T. (2003). Event-related potentials of negative polarity items and other linguistic violations. *Journal of Cognitive Neuroscience, Supplement*.
125. **Steinhauer, K.** (2002). The P600 reconsidered. *Journal of Cognitive Neuroscience, Supplement*.
126. Ullman, M.T. & **Steinhauer, K.** (2002). ERPs reveal consecutive effects of morpho-phonology and morpho-syntax in past tense violations. *Journal of Cognitive Neuroscience, Supplement*.
127. Ullman, M.T., Newman, A.J., Pancheva, R. & **Steinhauer, K.** (2001). Male/female differences in lexical-conceptual and syntactic processing: Evidence from event-related potentials. *Journal of Cognitive Neuroscience, Supplement*, 166.
128. Hruska, C., Alter, K., **Steinhauer, K.** & Friederici, A.D. (2001). Perception of prosodic cues depends on context: Evidence from ERP studies. *Journal of Cognitive Neuroscience, Supplement*, 159.

129. Meyer, M., Alter, K., **Steinhauer, K.** & Friederici, A.D. (2001). Cerebral substrates of pitch modulations in sentences: Evidence from 3T fMRI. *Journal of Cognitive Neuroscience, Supplement*, 157.
130. **Steinhauer, K.**, Pancheva, R., Newman, A.J., & Ullman, M.T. (2001). ERP correlates of lexical feature processing without employing the 'violation paradigm'. *Journal of Cognitive Neuroscience, Supplement*, 125.
131. **Steinhauer, K.**, Alter, K. & Friederici, A.D. (2000). The closure positive shift in the event-related potentials: A universal marker for prosodic phrasing in listeners and readers? *Journal of Cognitive Neuroscience, Supplement*, 48-49.
132. Hruska, C., Alter, K., **Steinhauer, K.** & Steube, A. (2000) . Can wrong prosodic information be mistaken by the brain? *Journal of Cognitive Neuroscience, Supplement*, 122.
133. **Steinhauer, K.**, Alter, K., Meyer, M., Friederici, A.D. & von Cramon, D.Y. (1999). Brain activation related to prosodic processing in natural speech: An event-related fMRI study. *Journal of Cognitive Neuroscience, Supplement*, 54-55.
134. Friederici, A.D., **Steinhauer, K.**, & Mecklinger, A. (1995). Syntactic complexity and latency of the late positivity. *Cognitive Neuroscience Society Second Annual Meeting, San Francisco, California, USA, March 1995.*

IV. TEACHING ACTIVITIES AND STUDENT SUPERVISION

A. FORMAL TEACHING

A-1 GRADUATE COURSES, SCSD, MCGILL UNIVERSITY

SCSD-652/653/654 *Advanced Research Seminar: Critical evaluation of psycholinguistic ERP studies: Why some studies using event-related potentials cannot be taken seriously – and how readers can identify the problems (and avoid them in their own studies).* [Winter 2012]

SCSD-666 / EDSL-711 *Advanced Research Seminar and LAP seminar (Language Acquisition Program at McGill): The neurocognition of second language acquisition* [Fall 2009]

SCSD-655 *Advanced Research Seminar: ERPs in Language and Disorders* [Winter 2009]

SCSD-712 *Language Acquisition Issues 4* [Winter 2008]

Guest lecture on ‘The temporal dynamics of second language acquisition: Evidence from event-related brain potentials’, March 2008

SCSD-666 *Research Techniques in Cognitive Neuroscience* [Fall 2007]

Advanced Research Seminar. Course Founder and Director: Karsten Steinhauer

SCSD-618. *Research and Measurement Methodologies* [Fall 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2012]

SCSD-624. *Language Processes.* [Fall 2004, 2005, 2006, 2007]

SCSD-652. *Advanced Research Seminar: “Psycholinguistics Electrified”* [Winter 2004]

SCSD-712. *Language Acquisition Issues 4.* [Winter 2004]

Guest lecture on “Event-related brain potentials and second language acquisition”, March 2004.

A-2 GRADUATE COURSES, MEDICAL CENTER, GEORGETOWN UNIVERSITY

NSCI-514. *Event-related Brain Potentials in Language and Cognition* [Spring 2003]

(Neuroscience, cross-listed in Linguistics, Psychology, and Cognitive Science)

Graduate course, open for particularly interested undergraduates.

Course Founder and Director: Karsten Steinhauer

NSCI-523. *Brain and Language.* [2001, 2002, 2003]

(Neuroscience, cross-listed in Psychology and Linguistics.)

Graduate course. Course Directors: Rhonda Friedman and Michael T. Ullman

Guest lecture: *Event-related potentials in language research.*

A-3 GRADUATE COURSES, MAIN CAMPUS, GEORGETOWN UNIVERSITY

LING-563. *Linguistics and Cognitive Science.* [2002]

Graduate course. Course director: Paul Portner

Guest lecture: *Psycholinguistics electrified - What brain potentials add to our knowledge of sentence processing*

A-4 UNDERGRADUATE COURSES, MAIN CAMPUS, GEORGETOWN UNIVERSITY

ICOS-321/ICOS-202. *Research Proseminar in Cognitive Science II.* [2001, 2002].

Cognitive Science Program. Three-Week Research Module: *Seeing Language in the Brain.*

Course Founders and Directors of Module: Karsten Steinhauer (Main Instructor) and

Michael T. Ullman (Additional Instructor).

A-5 INVITED GRADUATE COURSE, SUMMER INSTITUTE OF THE LINGUISTIC SOCIETY OF AMERICA (LSA)

Three-Week Course: *Language Neuroimaging I.* [2003]. Lansing, MA, USA.

Invited instructors: Karsten Steinhauer and Michael Ullman

A-6 GRADUATE COURSES, MAX PLANCK INSTITUTE

- *Nutzung der CELEX-Datenbank und Datenaufbereitung mit PERL-Skripten.* [Using the CELEX database and data sorting with PERL scripts.] Tutorial. 1997-2000. Instructor: K. Steinhauer
- *Einfuehrung in das EEP Software-Paket: Aufruf, Konfigurierung und Oekonomisierung der Hauptmodule.* [Introduction in the EEP software package: Call, configuration and efficient use of the main modules.] Two Week Course for PhD students and student assistants. 1998-1999. Course Directors and Instructors: Karsten Steinhauer, Erdmut Pfeifer, Bertram Opitz.
- *Design, Programmierung und Auswertung von ERP-Experimenten.* [Design, programming and data evaluation of ERP experiments.] Seminar. 1998-2000. Instructor: K. Steinhauer
- *Die wichtigsten ERP-Studien zur Syntaxverarbeitung.* [The most influential ERP studies on syntax processing.]. One week block seminar. 1998. Course Directors and Instructors: Karsten Steinhauer, Anja Hahne, Thom Gunter.
- *Artefakte im EEG-Signal: Ursachen und Loesungen.* [Artifacts in the EEG signal: Causes and Solutions.] Tutorial. 1995. Instructor: K. Steinhauer
- *MPI Forschungsseminar.* (Research seminar.) 1995-1999.
 - Lecture: Speech boundaries, commas, and the brain II: More answers - and new questions. 1999.
 - Lecture: What you always wanted to know about punctuation. 1999.
 - Lecture: A prosody-induced garden-path in running speech - and a new ERP component. 1998.
 - Lecture: Phrase structure violations block semantic integration. 1997.
 - Lecture: The P300/P600 debate: Evidence from German relative and complement clauses. 1996.
 - Lecture: ERPs for early and late disambiguation in garden-path sentences. 1995.
 - Lecture: How working memory capacity influences parsing strategies. 1995.

A-7 COURSES, FREE UNIVERSITY OF BERLIN

Projekt-Tutorium "Autonomie und Autopoiesis". Trans-disciplinary seminar on "Radical Constructivism" and the biological basis of cognition. 1991-1994. Course founders, directors, and instructors: Karsten Steinhauer and Annett Grund.

B. RESEARCH TRAINING

B-1 POSTDOCTORAL FELLOWS:

- 2008- Hyekyung Hwang, McGill Department of Linguistics, CRLMB + Rotary Club postdoctoral scholarship awardee. Supervisor of 6 ERP projects on *Overt and covert prosodic processing of Korean sentences*.
- 2006-2010 John E. Drury, McGill Postdoctoral Fellow, CIHR/NSERC grant stipends. Projects: *Electrophysiological correlates of logical semantics and morpho-syntax*. Supervisor.

B-2 GRADUATE STUDENTS

PhD Students (Thesis Supervision/Mentoring)

- 2011 - Stefanie Nickels, McGill, Communication Sciences and Disorders, PhD. Thesis Project: *Towards an ecologically valid model of auditory sentence processing*. Supervisor
- 2009 – Kristina Kasparian, McGill, Communication Sciences and Disorders, PhD. Thesis ('Faculty of Medicine - Dr Richard Tomlinson Fellowship' and 'Vanier – Canada Graduate Scholarship' awardee) Project: *Brain signatures of first language loss in minority language bilinguals*. Supervisor
- 2009 – Nicolas Bourguignon, Université de Montréal, PhD. Thesis (University of Montreal 'Bourse d'Excellence' awardee) Project: *Development of conceptual-intentional properties in language: An ERP study*. Co-supervisor: Daniel Valois.
- 2007 – 2010 Monika Molnár, McGill, Communication Sciences and Disorders, PhD Thesis Project: *Vowel perception of simultaneous bilinguals in monolingual and bilingual language modes*. (Supervisor of 2 ERP experiments. Main Supervisor: Prof. Linda Polka).
- 2007 – 2010 Shani Abada, McGill, Communication Sciences and Disorders, PhD Thesis. Project: *ERP correlates of cooperating and conflicting prosodic and lexical information in speech*. (Supervisor of 2 ERP experiments. Main Supervisor: Prof. Shari Baum).
- 2005 – Efrat Pauker, McGill, Communication Sciences and Disorders, PhD Thesis (Faculty of Medicine Internal Studentship awardee and CIHR stipend), Project: *Real-time brain correlates of syntax-prosody interactions in natural speech processing*. Supervisor.
- 2005 – Erin J. White, McGill, Psychology, PhD Thesis (NSERC doctoral fellowship awardee). Project: *ERPs of native-likeness in late bilinguals*. (Co-supervisor: Prof. Fred Genesee).
- 2005 – 2011 Jen Mah, McGill, Linguistics, PhD Thesis. (SSHRC doctoral fellowship awardee) Project: *The trouble with phoneme /h/ in Francophones: An ERP investigation*. (Supervisor of 3 ERP experiments. Main Supervisor: Prof. Heather Goad)
- 2005 – 2007 Inbal Itzhak, McGill, Communication Sciences and Disorders, PhD Thesis (Faculty of Medicine Internal Studentship awardee). Project: *Prosody and sentence processing subsequent to focal brain damage*. (Supervisor of 2 ERP experiments. Main Supervisor: Prof. Shari Baum).
- 2002 – 2008 Helen Carpenter, Georgetown University, Linguistics, PhD Thesis. Project: *Aptitude in second language acquisition (SLA)*. (Mentor. Supervisor: Prof. Michael Ullman).
- 2002 – 2007 Kara Morgan-Short, Georgetown University, Spanish & Portuguese, PhD Thesis, (NIH/NRSA; NSF Fellowship awardee). Project: *ERPs and artificial language learning*. Completed PhD degree in May 2007, hired as Assistant Professor at U Illinois, Chicago. (Co-supervisor with Profs. Michael Ullman and Cristina Sanz).
- 2002 – 2007 Harriet W. Bowden, Georgetown University, Spanish & Portuguese, PhD Thesis, (NIH/NRSA; NSF fellowship awardee). Project: *ERPs in late second language*

- acquisition*. Completed PhD degree in December 2007; hired as Assistant Professor at U Tennessee, Knoxville. (Co-supervisor with Profs. Michael Ullman and Cristina Sanz).
- 2002 – 2004 Ivy V. Estabrooke, Georgetown University, Medicine, PhD Thesis. (NIH fellowship). Project: *Estrogen and cognitive processing*. (Mentor. Supervisor: Prof. Paul Aisen)

Graduate Students: Masters Theses

- 2010-2011 Adèle-Elise Prévost, McGill University, Department of Linguistics, Master's student. Project: *Prosodic transfer in late Turkish/English bilinguals*. (Co-Supervisor with Prof Heather Goad)
- 2009-2011 Stephanie Nickels, Saarland University (Germany), MA student, Psychology. Project: *Prosodic phrasing in German learners of English: An ERP study*. (Co-Supervisor with Dr Bertram Opitz)
- 2004-2005 Erin King, McGill University, Linguistics, Master's Thesis. Project: *ERPs of Definiteness in Chinese/English bilinguals*. (Co-Supervisor with Prof Lydia White)

Graduate Students: Research Projects

- 2012 Jessica Danforth, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer Research Bursary awardee. Project: *Testing alternative accounts for 'semantic blocking' in ERP studies*.
- 2011 Jingyu (Linna) Jin, McGill clinical MScA student (Speech Language Pathology), Summer Research Project: *Stimulus generation and matching for an ERP study on first language loss in Italian-English bilinguals*.
- 2010 Kanwar Anit Singh Saini, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer Research Bursary awardee. Project: *An ERP Study of Timbre Changes and Prosodic Boundaries in Music*.
- 2009 - Veronique Lebel, University of Montreal, BSc student, (SLP/Audiology). SSHRC-Project: *Electrophysiology of French L1-Acquisition*.
- 2009 - Alex Gascon, University of Montreal, BSc student, (SLP/Audiology). SSHRC-Project: *Electrophysiology of French L1-Acquisition*.
- 2008 Stephanie Nickels, Saarland University (Germany), MA student, Psychology, 8-week Summer Internship. Project: *Electrophysiology of late bilingualism*.
- 2008 Tiffany Lin, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer Research Bursary awardee. Project: *The trouble with phoneme /h/ in Francophones: Electrophysiological evidence from semantic anomalies*.
- 2008 Conrad Duncan, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer Research Bursary awardee. Project: *An ERP Study of Prosodic Boundaries in Music*.
- 2007-2008 Katherine Nadeau-Noël, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer & Winter Research Bursary awardee. Project: *Semantic, Formal and Morphological Priming in French: an ERP Study*.
- 2007 Ashley Roberts, McGill clinical MScA student (Speech Language Pathology), Faculty of Medicine Summer & Fall Research Bursary awardee. Project: *Proficiency Effects in Second Language Acquisition: An ERP study*.
- 2005 Monika Molnár, McGill PhD student, Communication Sciences and Disorders. Summer Project: *Pilot study on ERPs and vowel discrimination in bilinguals*.
- 2005 Sonia Cornell, Saarland University (Germany), MA student, Psychology, 6-week Summer Internship. Project: *ERPs of phrase structure violations in late Chinese/English bilinguals*.

- 2005 Jen Mah, McGill PhD student, Linguistics, Evaluation paper. SSHRC doctoral fellowship awardee. *Phoneme /h/ discrimination: A mismatch negativity study.*
- 2004-2005 Marie-Eve Rivard, McGill clinical MScA student (SLP), Faculty of Medicine Summer & Winter Research Bursary awardee. Project: *Code switching in bilinguals: An ERP Study.* (Co-supervisor: Prof. Debra Titone)
- 1999 – 2000 Claudia Hruska, Masters student, Department of Psychology, University of Leipzig / Max Planck Institute of Cognitive Neuroscience, Germany. Project: *Information structure and the Closure Positive Shift in dialogues.*
- 1997 – 1999 Annett Schirmer, Masters student, Department of Psychology, University of Leipzig, Germany. Project: *Electrophysiology of prosodic phrasing.*
- 1997 – 1999 Franziska Kopp, Masters student, Department of Psychology, University of Leipzig, Germany. Project: *ERPs and prosodic processing.*
- 1997 – 1999 Claudia Gruenewald, Masters student, Department of Linguistics, University of Leipzig, Germany. Project: *Parsing preferences in German Genitive and Dative constructions.*
- 1995 – 1996 Martin Meyer, Masters student, Department of Psychology, Free University of Berlin, Germany. Project: *ERP effects of German garden-path sentences.*
- 1995 – 1996 Stefan Frisch, Masters student, Department of Psychology, Free University of Berlin, Germany. Project: *Sequential effects of lexical and syntactic information in sentence parsing: An ERP study.*

B-3 UNDERGRADUATE STUDENTS

Undergraduate Research Students (Honours Theses)

- 2009 Masha Westerlund, McGill U3 undergraduate honours student, Psychology. *The Role of Age and Proficiency in the Acquisition of /h/ by Late Learners of English: An ERP Study.* (Co-supervisor with Prof. Fred Genesee)
- 2007- 2008 Lisa Jewett, McGill U3 undergraduate honours student, Psychology. NSERC/USRA awardee. Thesis Project: *Electrophysiological correlates of musical accents.* (Co-supervised with Prof. Caroline Palmer)
- 2007-2008 Anish Jain, McGill U3 undergraduate honours student, Psychology and Neuroscience, senior thesis. Project: *ERP correlates of logical semantics: Negative Polarity Items and the Definiteness Effect.* Supervisor.
- 2006-2007 Wing Yee Chow, McGill U3 undergraduate honours student, Psychology. Faculty of Science USRA awardee. Boris Muskatov Prize for the best Honour's Thesis in Psychology. Project: *Second-language Processing in Highly Proficient Late Learners: Evidence from Event-related Potentials.* (Co-supervisor with Prof. Fred Genesee)
- 2005-2006 Christine Capota, McGill U3 undergraduate honours student, Psychology. Picower Foundation Fellowship awardee. Project: *Timbre change detection in trained musicians.* (Co-supervisor with Prof. Caroline Palmer)

Undergraduate Research Students (Research Projects)

- 2007 Stéphanie LeBlanc, Université de Moncton (N.B.), U3 undergraduate honours student, summer project/research assistant. Project: *Semantic anomalies due to phoneme ambiguities in francophones and anglophones: A comparative ERP study.* Supervisor.

Research Assistants / Work-study Students / Lab Volunteers

- 2010-2011 Lauren Davis, McGill graduate research assistant (Linguistics)
2009-2010 Masha Westerlund, McGill undergraduate research assistant
2008 Anish Jain, McGill undergraduate work-study student
2008 Lisa Jewett, graduate research assistant
2007 Jennifer Mortimer, McGill postgraduate laboratory volunteer
2007-2009 Anit Kanwar Singh Saini, McGill undergraduate lab manager/research assistant
2007-2008 Wing Yee Chow, McGill undergraduate work-study student
2006-2007 Clare Foa, McGill undergraduate research assistant
2006 Monika Molnár, McGill graduate research assistant
2005-2007 Nathalie Bélanger, McGill postgraduate research assistant
2004-2006 Vincent Fugère, McGill undergraduate lab manager/research assistant

V. OTHER CONTRIBUTIONS

A. SERVICE

A-1 MCGILL UNIVERSITY

- 2009- Pro-Dean (PhD Defense Committees)
2006-2009 Member of the Senate, McGill University
2005- Interdisciplinary Student Program: Faculty Member of the *Language Acquisition Program* (LAP) at McGill.

A-2 DEPARTMENTAL COMMITTEES, COMMUNICATION SCIENCES, MCGILL UNIVERSITY

- 2005- Clinical Education Award Committee
2005-2007 Faculty Search Committee
2004- Student Admissions Committee (Chair: 2007-2010)
2004- Curriculum Committee (Chair: 2006-2007)
2004-2006 Student Fellowship Committee
2004 Committee for Establishing a McGill/SCSD Clinical Education Award

A-3 GRADUATE STUDENT COMMITTEES

M.A. or Ph.D. Oral Defense Committees / External Thesis Examiner*

- 2011 Jen Mah, (PhD student, Linguistics, McGill University); Supervisor: Heather Goad
2010 Monika Molnar, (PhD student, SCSD, McGill University); Supervisors: Linda Polka/Shari Baum
2010 Shani Abada, (PhD student, SCSD, McGill University); Supervisor: Shari Baum
2010 Louis Renoult (PhD student; Neuroscience Program, Department of Psychiatry, McGill University); Supervisor: Bruno Debruille
2008 Pascale Tremblay, (PhD student, SCSD, McGill University); Supervisor: Vincent Gracco
2008 Nathalie Bélanger, (PhD student, SCSD, McGill University); Supervisor: Shari Baum
2008 Sean Hutchins, (PhD student, Department of Psychology, McGill University); Supervisor: Caroline Palmer
2008 Andrea Santi (PhD student, Department of Linguistics, McGill University); Supervisor: Yosef Grodzinsky
2008 Henry Chang (PhD student; School of Communication Sciences and Disorders, McGill University); Supervisor: Marc Pell
2007 Holger Hopp* (PhD student, Psycholinguistics Program, Department of Linguistics, University of Groningen, The Netherlands); Supervisor: Laurie Stowe. [Member of the ‘Opposition Committee’ during the oral defense]
2007 Louis Renoult (PhD student; Neuroscience Program, Department of Psychiatry, McGill University); Supervisor: Bruno Debruille
2006 Simone Conradie (PhD student, Department of Linguistics, McGill University) ; Supervisor: Lydia White
2005 Namita Kumar* (MS student; Department of Neurology and Neurosurgery,

- McGill University); Supervisor: Bruno Debruille
- 2004 Carolina Romero* (MA student, Department of Psychology, McGill University); Supervisor: Debra Titone
- 2004 Christoph Grindrod (PhD student; School of Communication Sciences and Disorders, McGill University); Supervisor: Shari Baum
- 2004 Ekatarini Klepousniotou (PhD student; School of Communication Sciences and Disorders, McGill University) ; Supervisor: Shari Baum

M.A. or Ph.D. Thesis committees (in addition to the 10 students listed under Thesis supervision in section IV-B-2 above)

- 2011 Marie Jane Blais (PhD student; School of Communication Sciences and Disorders, McGill University); Supervisor: Laura Gonnerman
- 2007 Ensie Abbassi (PhD student; School of Communication Sciences and Disorders, McGill University); Supervisor: Shari Baum
- 2005-2009 Louis Renoult (PhD student; Neuroscience Program, Department of Psychiatry, McGill University) ; Supervisor: Bruno Debruille
- 2005-2009 Chinar Dara (PhD student; School of Communication Sciences and Disorders, McGill University); Supervisor: Marc Pell
- 2005-2006 Jason McDewitt (MA student; School of Communication Sciences and Disorders); Supervisor: Shari Baum

Comprehensive committees (2004-2008)

McGill University:

- Stefanie Nickels (PhD; McGill, SCSD)
- Kristina Kasparian (PhD; McGill, SCSD)
- Young Ja Nam (PhD; McGill, SCSD)
- Efrat Pauker (PhD; McGill, SCSD)
- Inbal Itzhak (PhD; McGill, SCSD)
- Erin White (PhD, McGill, Psychology)
- Shani Abada (PhD; McGill, SCSD)
- Nathalie Bélanger (PhD; McGill, SCSD)
- Monika T. Molnar (PhD; McGill, SCSD)
- Chinar Dara (PhD; McGill, SCSD)

University of Montreal:

- Nicolas Bourguignon (PhD; Linguistics)

Georgetown University:

- Kara Morgan-Short (PhD; Linguistics/Spanish-Portuguese)
- Harriet W. Bowden (PhD; Linguistics/Spanish-Portuguese)
- Helen Carpenter (PhD; Linguistics)

A-4 SERVICE AT THE CENTRE FOR RESEARCH ON LANGUAGE, MIND AND BRAIN (CRLMB)

- January 2008 CRLMB Presenter, *CFI Outcome Measurement Study* meeting – “McGill University: Cognition and Brain Imaging”; Outcome #2: Impacts on Research Capacity
- June 2007 Main organizer: Annual *CRLMB Research Day Event*, featuring 10 presentations

- Nov. 2006 CRLMB Mid-Term Review (evaluation by provincial agencies FQRNT/FQRSC)
- 2006- Main organizer of various international CRLMB events (for details see Symposia/Workshops in section V-C below.)
- 2006-2008 **Axis Leader, “Neural Bases of Language” Research Axis at the CRLMB**
- 2006-2008 Chair, CRLMB Outreach committee;
- Fall 2005 Member, *CRLMB Leading-Edge Initiative*
- 2005- Member, CRLMB Outreach committee;
- 2004- Faculty Host, for six invited Lecturers presenting in the *CRLMB Speakers Series*

A-5 SERVICE AT GEORGETOWN UNIVERSITY:

- 2000-2003 Co-Director, Technical Manager and Research Coordinator (see above) of Georgetown Cognitive Neuroscience EEG/ERP Laboratory (Georgetown University Core Facility for human neuro-electrophysiology): a state-of-the-art 96-channel EEG (Electroencephalography) system for the acquisition of ERPs (Event-Related Potentials), for neuro-electrophysiological research of cognition, perception, and action.

A-6 SERVICE AT THE MAX PLANCK INSTITUTE OF COGNITIVE NEUROSCIENCE, LEIPZIG

- 1995-2000 EEG/ERP laboratory committee.
- 1997-1999 Host, Visitor's Program.

B. EDITORIAL SERVICES AND REVIEWING

EDITORIAL BOARD MEMBER

Open Journal of Modern Linguistics (OJML)

REVIEWS OF GRANT PROPOSALS

- 2009- DFG Deutsche Forschungsgemeinschaft (German Research Foundation)
- 2008- CIF Canada Foundation for Innovation (Infrastructure grants)
- 2008- SSHRC, Operating Grants
- Oct 2006 **Panel member NIH-LCOM study section** (R01 grants)
- 2006- NSERC, Discovery Grants
- 2006- ESF European Science Foundation, Unit for Humanities (Brussels),
- 2005- NSF National Science Foundation (USA), Research Grants
- 2004- CIHR, Behavioral Sciences –C, Operating Grants
- 2002- AusSF Austrian Science Fund (Vienna), Research Grants

REVIEWS FOR JOURNALS

1. *Applied Psycholinguistics*
2. *Bilingualism: Language and Cognition*
3. *Biolinguistics*
4. *Biological Psychology*
5. *Brain and Cognition*
6. *Brain and Language*
7. *Brain Research*
8. *Brain Topography*
9. *Cognition*
10. *Cognitive, Affective, & Behavioral Neuroscience.*
11. *Cognitive Brain Research*
12. *Current Biology*
13. *Experimental Brain Research*
14. *Frontiers (Neuroscience)*
15. *Human Brain Mapping (HBM)*
16. *International Journal of Neuroscience*
17. *International Journal of Psychophysiology*

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| 18. <i>Journal of Cognitive Neuroscience</i> | 24. <i>Nature Neuroscience</i> |
| 19. <i>Journal of Memory and Language (JML)</i> | 25. <i>NeuroImage</i> |
| 20. <i>Journal of Neurolinguistics</i> | 26. <i>Neuropsychologia</i> |
| 21. <i>Journal of Neurophysiology</i> | 27. <i>Neuroscience Letters</i> |
| 22. <i>Language and Cognitive Proc (LCP)</i> | 28. <i>Neuroscience Research</i> |
| 23. <i>Language and Linguistics Compass</i> | 29. <i>Psychophysiology</i> |

REVIEWS OF ABSTRACTS FOR CONFERENCE PRESENTATIONS

- ACFAS Association francophone pour le savoir
 AMLaP Architectures and Mechanisms for Language Processing
 NELS (Northeast Linguistics Society)
 SLRF (Second Language Research Forum)
 TeaP (Tagung experimentell arbeitender Psychologen; i.e., German Conference of Experimental Psychologists)

EXTERNAL REVIEW FOR SEARCH COMMITTEES

University of Bielefeld (Germany), Department of Linguistics, 2004

C. SYMPOSIA/WORKSHOPS: ORGANIZED AND CHAIRED

- 2012 ***80th ACFAS Conference, Symposium on « Recherches sur le bilinguisme et le multilinguisme: Un partage du savoir » [Co-organizer with Phaedra Royle]***, Montreal (Canada); to take place on 8th May 2012. [sponsored by CRBLM]
- 2011 ***Workshop on Bilingualism: Neurolinguistic and Psycholinguistic Perspectives, Session on Syntactic Processing. [Chair]. Aix University, Aix-en-Provence, France, 12-14 September 2011.***
- 2010 ***Donostia Workshop on Neurobilingualism, Session on Electrophysiological Measures [Chair].*** Basque Center on Cognition, Brain and Language. San Sebastian, Spain, October 2010.
- 2009 ***Workshop on the ‘extended Argument Dependency Model (eADM)’ [Organizer and Chair].*** (With Drs Ina Bornkessel-Schlesewsky and Matthias Schlewsky.) McGill University, Montreal; October 2009.
- 2007-2008 ***2nd International Symposium on Language, Mind and Brain: Mechanisms of Learning, Brain Plasticity and Critical Periods. [Organizer]*** McGill University, Main Campus, June 2008, featuring 11 presentations by world-class scientists in Neuroscience, Cognitive Psychology, and Linguistics (incl. R. Aslin, Rochester; M. Sur, MIT; T. Hensch, Harvard) (More than 100 registered participants.)
- 2006 ***International Workshop on EEG/ERP Analysis. [Organizer]*** McGill University, Main Campus, July 2006. (More than 50 registered participants.)
- 1998 ***Sentence Processing. [Chair]*** Psycholinguistics section at the German Conference of Experimental Psychologists (*TeaP*), Phillips-University of Marburg, Germany, April 1998. Speakers: Monika Becker (Bad Nauheim), Stefan Frisch (Leipzig), Monika Hofmann (Hamburg), Sandra Vos (Nijmegen, NL), Petra Dohmes (Muenster), Karsten Steinhauer (Leipzig).
- 1997 ***Case and Case Marking in European Languages. [Organizer]*** First International Workshop on Formal Linguistics and Psycholinguistics at the Max Planck Institute of Cognitive Neuroscience, Leipzig, Germany, July 1997. A.D. Friederici. Invited speakers: Lyn Frazier (Amherst), Manfred Bierwisch (Berlin), Matthias Schlewsky (Potsdam), Hubert Haider (Vienna, Austria), Karsten Steinhauer (Leipzig).