

Félix Desmeules-Trudel

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Department of Psychology || Brain and Mind Institute
Western Interdisciplinary Research Building
University of Western Ontario
London, ON
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EXPERTISE: Psycholinguistics, Phonetics, Phonology, L2 acquisition, L1 development

EMPLOYMENT

2018-2020 **Postdoctoral researcher**
University of Western Ontario – Department of Psychology || Brain and Mind Institute

EDUCATION

2013-2018 **Ph.D.** in Linguistics
University of Ottawa
Dissertation: *Spoken word recognition and phonetic detail in an L1 and an L2*

2011-2013 **M.A.** in Linguistics
Laval University
Memoir: *Perception of Québec French nasal vowels by Brazilian learners*

2008-2011 **B.A.** in Linguistics (minor in Psychology)
Laval University

FUNDING AND AWARDS

2018-2020 **Postdoctoral fellowship**
Québécois Research Funds – Society and Culture (FQRSC)

2015-2018 **Joseph-Armand Bombardier Canada Graduate Scholarship**
Social Sciences and Humanities Research Council of Canada (SSHRC)

2013-2015 **Ph.D. Scholarship**
Québécois Research Funds – Society and Culture (FQRSC)
**Funded for three years, used for two years*

2013-2018 **Excellence Scholarship**
University of Ottawa

2013-2018 **Admission Scholarship**
University of Ottawa

2017 **Michael Smith Supplement for Foreign Study**
Social Sciences and Humanities Research Council of Canada (SSHRC)
Research internship at the Donders Institute – Radboud University Nijmegen

- 2017 **Student mobility bursary**
University of Ottawa
Research internship at the Donders Institute – Radboud University Nijmegen
- 2013 **Research Internship**
Laval University
Research internship at the University of São Paulo
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PUBLICATIONS

Desmeules-Trudel, F., & Brunelle, M. (2018). Phonotactic restrictions condition the realization of vowel nasality and nasal coarticulation: Duration and airflow measurements in Québécois French and Brazilian Portuguese. *Journal of Phonetics*, 69, 43-61.

Zamuner, T. S., Moore, C. E., & **Desmeules-Trudel, F. (2016).** Toddlers' sensitivity to within word coarticulation during spoken word recognition: Developmental differences in lexical competition. *Journal of Experimental Child Psychology*, 152, 136-148.

Desmeules-Trudel, F. (2015). The aerodynamics of vowel nasality and nasalization in Brazilian Portuguese. In The Scottish Consortium for ICPhS 2015 (ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*, Glasgow, UK. Paper number 0769.

Desmeules-Trudel, F. (2015). Propriétés aérodynamiques des voyelles nasales et potentiellement nasalisées en français québécois [Aerodynamic properties of Quebecois French nasal and potentially nasalized vowels]. In Vinerte, S. (ed.), *Proceedings of the 2015 Annual Conference of the Canadian Linguistic Association*, Ottawa, ON.

Desmeules-Trudel, F. (2015). Perception of Québec French nasal vowels by Brazilian learners: A pilot study. *Langues et linguistique*, 35, 40-54.

ORAL PRESENTATIONS

Desmeules-Trudel, F., & Zamuner, T. S. (2017). Une explication dynamique de l'interface phonétique-phonologie : Perception de la nasalisation des voyelles en français canadien [A dynamic explanation of the phonetics-phonology interface: Perception of Canadian French vowel nasalization]. Oral presentation at the *Canadian Linguistics Association (CLA) Annual Conference*, Ryerson University, Toronto, ON. May 27-29.

Desmeules-Trudel, F., Moore, C. E., & Zamuner, T. S. (2016). Boat or bone? Children's sensitivity to coarticulation during spoken word recognition. Oral presentation at the *Mental Lexicon 2016 Conference*. University of Ottawa, Ottawa, ON. October 19-21.

Desmeules-Trudel, F., & Zamuner, T. S. (2016). Processing ambiguous vowel nasalization in Canadian French: Reaction times and eye movements. Oral presentation at the *Montreal-Ottawa-Laval-Toronto (MOLT) Phonology Workshop 2016*, Carleton University, Ottawa, ON. March 18-20.

Desmeules-Trudel, F. (2015). The aerodynamics of vowel nasality and nasalization in Brazilian Portuguese. Oral presentation at the *International Congress of Phonetic Sciences (ICPhS) XIII*, Glasgow, Scotland. August 11-14.

Desmeules-Trudel, F. (2013). Perception of Quebec French nasal vowels by Brazilian learners: Acoustic and perceptual factors. Oral presentation at the *37th Meeting of the Atlantic Provinces Linguistics Association (APLA)*, University of Moncton, Moncton, NB. November 1-2.

Desmeules-Trudel, F., & Paradis, C. (2012). La non-importance de l'aspiration phonétique de l'anglais dans les emprunts en thaï [The unimportance of English phonetic aspiration in Thai loanwords]. Oral presentation at the *XVIèmes Journées de linguistique (JDL)*, Laval University, Québec City, QC. March 8.

POSTER PRESENTATIONS

Desmeules-Trudel, F., & Zamuner, T. S. (2018). Comparing bilingual and monolingual toddlers' sensitivity to coarticulation during spoken word recognition. Poster presentation at the *XXI Biennial International Congress on Infant Studies*, Philadelphia, PA. June 30 - July 3.

Desmeules-Trudel, F., & Zamuner, T. S. (2018). The use of phonetic variability for word recognition depends on stimulus ambiguity. Poster presentation at the *LabPhon 16* Conference, University of Lisbon, Lisbon, Portugal. June 19-22.

Desmeules-Trudel, F., & Zamuner, T. S. (2017). Categorical patterns, phonetic integration and within-category variability in the recognition of spoken words in a second language. Poster presentation at the *Annual Meeting on Phonology 2017*, New York University, New York City, NY. September 15-17.

Pilin, M., **Desmeules-Trudel, F.**, Piché, É., & Zamuner, T. S. (2017). Children use coarticulation cues during spoken word recognition. Poster presentation at the *Canadian Linguistics Association (CLA) Annual Conference*, Ryerson University, Toronto, ON. May 27-29.

Desmeules-Trudel, F., & Zamuner, T. S. (2016). Processing of coarticulatory nasalized vowels and phonological nasal vowels in Canadian French. Poster presentation at the *LabPhon 15* Conference, Cornell University, Ithaca, NY. July 13-16.

Desmeules-Trudel, F. (2016). Real-time processing at the phonetics-phonology interface: L1 and L2 perception of Canadian French nasalization. Poster presentation at the *Experimental Methods in Language Acquisition Research (EMLAR) Workshop XII*, Utrecht University, Utrecht, The Netherlands. April 20.

Desmeules-Trudel, F. (2015). Propriétés aérodynamiques des voyelles nasales et potentiellement nasalisées en français québécois [Aerodynamic properties of Quebecois French nasal and potentially nasalized vowels]. Poster presentation at the *Canadian Linguistics Association (CLA) Annual Conference*, University of Ottawa, Ottawa, ON. May 30.

PRESENTATIONS AS INVITED SPEAKER

Desmeules-Trudel, F. (2017). The phonetics-phonology interface: Spoken word recognition and vowel nasalization in L1 Canadian French. Oral presentation for *LIN3320 Phonological Theory* (Dr. Kevin McMullin), University of Ottawa, Ottawa, ON. November 13.

Desmeules-Trudel, F. (2017). Coarticulation, contrast and spoken word recognition in a second language: Eye tracking and event-related potentials. Oral presentation at the *Sound Learning Group meeting*, Donders Institute for Brain, Cognition and Behaviour, Radboud University Nijmegen, Nijmegen, Netherlands. May 10.

Desmeules-Trudel, F. (2016). R Workshop (part 1 – Basic components, part 2 – Graphing and statistics). Workshop for the Linguistics Department, University of Ottawa, Ottawa, ON. February 5 and February 12.

Desmeules-Trudel, F. (2013). Phonetic similarity of Quebec French and Brazilian Portuguese nasal vowels: Dispersion measures and vowel inherent spectral change (VISC). Oral presentation at the *Reunião do Grupo de Estudos Fonéticos (GEF)*, University of São Paulo, São Paulo, Brazil. March 22.

Desmeules-Trudel, F. (2013). Variabilité individuelle pour la production des voyelles nasales en français québécois en en portugais brésilien et implications pour la perception L2 [Individual variability in the production of Quebecois French and Brazilian Portuguese nasal vowels and implications for L2 perception]. Oral presentation at the *Midi-rencontre du Département de langues, linguistique et traduction*, Laval University, Québec City, QC. February 1.

Desmeules-Trudel, F. (2012). Phonetics for teaching, and teaching phonetics: Perception and acquisition of Québec French by Brazilian learners. Oral presentation for *ANG2500 General and Contrastive Phonetics* (Dr. Andrée Lepage), Laval University, Québec City, QC. November 30.

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

Desmeules-Trudel, F., & Zamuner, T. S. (under review). *Gradient patterns of spoken word recognition and processing of phonetic details*. Manuscript submitted to *Attention, Perception, & Psychophysics*.

Desmeules-Trudel, F., & Zamuner, T. S. (in preparation). *Differences in how monolingual and bilingual children process coarticulation cues during spoken word recognition*. Manuscript in preparation for *Cognition*.

Desmeules-Trudel, F., & Zamuner, T. S. (in preparation). *Categorical patterns of spoken word recognition and the use of phonetic details in a second language*. Manuscript in preparation for *Studies in Second Language Acquisition*.

RESEARCH EXPERIENCE

- 2016 **Research assistant** *winter semester*
 Department of Linguistics – University of Ottawa
 → Linguistics Laboratories (SPL, CCLR, ERPLing)
- 2013-2014 **Research assistant** *fall & winter semesters*
 Department of Linguistics – University of Ottawa & Royal Mounted Canadian Police
 → Voice identification project
- 2013-2014 **Research assistant** *fall & winter semesters*
 Department of Linguistics – University of Ottawa
 → Centre for Child Language Research
- 2012 **Research assistant** *summer semester*
 Department of Languages, Linguistics and Translation – Laval University
 → Speech motor control in Parkinson's-affected patients
- 2010-2011 **Research assistant** *various semesters*
 Department of Languages, Linguistics and Translation – Laval University
 → CoPho Project
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TEACHING EXPERIENCE

Courses taught

- 2017 **Department of Linguistics – University of Ottawa**
 → LIN3725 Phonétique intermédiaire
(Intermediate Phonetics)
- 2015 **Department of Linguistics – University of Ottawa**
 → LIN3750 Psycholinguistique
(Psycholinguistics)
- 2012 **Department of Languages, Linguistics and Translation – Université Laval**
 → LNG1002 Notions fondamentales de phonétique et de phonologie
(Fundamental notions in phonetics and phonology)

Teaching assistantships

- 2014-2018 **Department of Linguistics – University of Ottawa**
 → LIN2355 Second Language Acquisition (Dr. Laura Sabourin)
 → LIN4735 Physiologie de la parole (Dr. Ian MacKay) *Speech physiology*
 → LIN1720 Les sons du langage (Dr. Kathleen Brannen) *Sounds of language*
 → LIN4726 Acoustique de la parole (Dr. Marc Brunelle) *Speech acoustics*
- 2011-2012 **Language School – Université Laval**
 → French as a L2 program (Québec Ministry of Immigration)
- 2010-2011 **Department of Languages, Linguistics and Translation – Université Laval**
 → LNG2000 Phonologie I (Dr. Carole Paradis) *Phonology I*
 → LNG3100 Phonologie II (Dr. Carole Paradis) *Phonology II*
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EXTRACURRICULAR ACTIVITIES

2017	Research intern Donders Institute for Brain, Cognition and Behavior – Radboud University Nijmegen
2016	Presenter @ Open House – Studying Linguistics Department of Linguistics – University of Ottawa
2016	Participant – EMLAR XII Utrecht Institute of Linguistics OTS – Utrecht University
2016	Member of the organizing committee – Psychoshorts 2016 Department of Linguistics – University of Ottawa
2014	Participant – STEP @ CCP Centre for Comparative Psycholinguistics – University of Alberta
2013-2015	Invited Speakers Committee member Department of Linguistics – University of Ottawa
2013	Research intern Department of Linguistics – University of São Paulo

ARTICLE REVIEWING

- Mind, Brain, and Education (in collaboration with Dr. Tania Zamuner)
 - uOttawa OLBI (Official Languages and Bilingualism Institute) Working Papers
 - Psychoshorts 2016 (University of Ottawa, Ottawa, ON)
 - Canadian Journal of Linguistics
 - Applied Psycholinguistics (in collaboration with Dr. Tania Zamuner)
 - XVI^{èmes} Journées de linguistique (Laval University, Québec City, QC)
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LANGUAGES: French (native), English (near-native), Portuguese

CITIZENSHIP: Canadian



Updated: August 15th, 2018