

Félix Desmeules-Trudel

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**EXPERTISE:** Psycholinguistics, Phonetics, Phonology, L2 acquisition, L1 development

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## EDUCATION

- 2013-...     **Ph.D. Candidate** in Linguistics  
University of Ottawa  
Dissertation: *Spoken word recognition and phonetic detail in an L1 and an L2*  
\* EXPECTED DEFENCE IN JULY 2018
- 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
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## FUNDING AND AWARDS

- 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 (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 (PUBLISHED AND SUBMITTED)

**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., & Brunelle, M.** (under review). *Phonotactic restrictions condition the realization of vowel nasality contrasts and nasal coarticulation: Duration and airflow measurements in Québécois French and Brazilian Portuguese*. Manuscript submitted to the *Journal of Phonetics*.

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.

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## 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.

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## 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 *LabPhon 16* Conference, University of Lisbon, Lisbon, Portugal. June 22-29.

**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.

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## 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 IN PREPARATION

**Desmeules-Trudel, F., & Zamuner, T. S.** (in preparation). Differences in coarticulatory nasalization processing between monolingual and bilingual children. Manuscript in preparation for *Developmental Science*.

**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
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#### 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<sup>èmes</sup> Journées de linguistique (Laval University, Québec City, QC)
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**LANGUAGES:** French (native), English (near-native), Portuguese

**CITIZENSHIP:** Canadian



Updated: April 24<sup>th</sup>, 2018