

Félix Desmeules-Trudel

[fdesmeul@uwo.ca](mailto:fdesmeul@uwo.ca)  
[felixdtrudel.github.io](https://felixdtrudel.github.io)

Department of Psychology || Brain and Mind Institute  
Western University  
Western Interdisciplinary Research Building, 5182  
London, ON, N6A 3K7, Canada

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

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## EMPLOYMENT

- 2019-2020    **BrainsCAN Associate – top-up (Canada First Research Excellence Fund)**  
Western University – Brain and Mind Institute
- 2018-2020    **Postdoctoral Fellow (Québec Research Funds – Society and Culture)**  
Western University – Department of Psychology || Brain and Mind Institute  
*Language, Reading, and Cognitive Neuroscience Lab* (Dr. Marc Joanisse)
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## EDUCATION

- 2013-2018    **Ph.D.** in Linguistics  
University of Ottawa  
Dissertation: *Spoken word recognition and phonetic detail in an L1 and an L2*  
Supervisor: Dr. Tania Zamuner
- 2011-2013    **M.A.** in Linguistics  
Université Laval  
Memoir: *Perception of French nasal vowels by Brazilian learners*  
Supervisor: Dr. Johanna-Pascale Roy
- 2008-2011    **B.A.** in Linguistics (minor in Psychology)  
Université Laval
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## FUNDING AND AWARDS

- 2019-2020    **BrainsCAN salary top-up and Research allowance**                      ± \$26K CAD  
Western University, Canada First Research Excellence Fund
- 2018-2020    **Postdoctoral fellowship**    \$90K CAD  
Québec Research Funds – Society and Culture

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2015-2018	<b>Joseph-Armand Bombardier Canada Graduate Scholarship</b> Social Sciences and Humanities Research Council of Canada	<b>\$105K CAD</b>
2013-2015	<b>Ph.D. Scholarship</b> Québec Research Funds – Society and Culture <i>*Funded for three years, used \$40K CAD over two years, favouring SSHRC</i>	<b>\$60K CAD</b>
2013-2018	<b>Excellence Scholarship</b> University of Ottawa	<b>\$35K CAD</b>
2013-2018	<b>Admission Scholarship (tuition)</b> University of Ottawa	<b>± \$50K CAD</b>
2018	<b>Dean of Arts Bursary</b> University of Ottawa	<b>\$1.5K CAD</b>
2017	<b>Michael Smith Supplement for Foreign Study</b> Social Sciences and Humanities Research Council of Canada <i>Purpose: Research internship at the Donders Institute in Nijmegen</i>	<b>\$6K CAD</b>
2017	<b>Student mobility bursary</b> University of Ottawa <i>Purpose: Research internship at the Donders Institute in Nijmegen</i>	<b>\$4K CAD</b>
2013	<b>Research Internship</b> Université Laval <i>Purpose: Research internship at the University of São Paulo</i>	<b>\$3K CAD</b>

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#### PUBLICATIONS (peer-reviewed and under review)

**Desmeules-Trudel, F., Moore, C., & Zamuner, T. S.** (under review). *Monolingual and bilingual children's processing of coarticulation cues during spoken word recognition*. Manuscript submitted.

**Desmeules-Trudel, F., & Zamuner, T. S.** (under review). *Spoken word recognition in a second language: The importance of phonetic details*. Manuscript submitted.

**Desmeules-Trudel, F., & Zamuner, T. S.** (2019). Gradient and categorical patterns of spoken word recognition and processing of phonetic details. *Attention, Perception, & Psychophysics*, 81(5), 1654-1672.

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

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#### **PUBLICATIONS (conference proceedings)**

**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 ICPhS*, Glasgow, UK. Paper number 0769.

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

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#### **ORAL PRESENTATIONS**

**Desmeules-Trudel, F., & Joanisse, M.** (2019). Memory traces of newly-learned words that contain non-native sounds are more robust after sleep consolidation. Oral presentation at the *CLA Annual Conference*, University of British Columbia, Vancouver, BC. June 1-3.

**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 *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 *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 *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 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 JDL*, Laval University, Québec City, QC. March 8.

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**POSTER PRESENTATIONS**

**Desmeules-Trudel, F., & Joanisse, M. (2019).** Speech-sound assimilation for second-language learning and memory consolidation of newly-learned words. Poster presentation at the *PsyLinCS UTM* workshop, University of Toronto Mississauga, Mississauga, ON. September 7.

**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 ICIS*, 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 *AMP 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 *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 *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 *CLA Annual Conference*, University of Ottawa, Ottawa, ON. May 30.

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**PRESENTATIONS AS INVITED SPEAKER**

**Desmeules-Trudel, F. (2019).** The phonetics-phonology interface: Historical sound change, phonetic implementation and word recognition. Invited lecture at the *Department of Languages, Literatures & Linguistics*, York University, Toronto, ON. March 22.

**Desmeules-Trudel, F. (2017).** The phonetics-phonology interface: Spoken word recognition and vowel nasalization in L1 Canadian French. Invited lecture 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*



- 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 – Université Laval  
→ Speech motor control in Parkinson's-affected patients
- 2010-2011   **Research assistant** *various semesters*  
Department of Languages, Linguistics and Translation – Université Laval  
→ 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, CONFERENCE AND SCHOLARSHIP REVIEWING**

- Journal of the Acoustical Society of America
  - Western Postdoctoral Research Fellowship competition
  - International Congress of Phonetic Sciences 2019
  - 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)
  - XXVI<sup>èmes</sup> Journées de linguistique (Université Laval, Québec City, QC)
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**LANGUAGES:** French (native), English (near-native), Portuguese (intermediate)

**CITIZENSHIP:** Canadian



Updated: September 1<sup>st</sup>, 2019