

Félix Desmeules-Trudel

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

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

## EMPLOYMENT

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)

## 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

## FUNDING AND AWARDS

2018-2020	<b>Postdoctoral fellowship</b> Québec Research Funds – Society and Culture	<b>\$90K CAD</b>
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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>
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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>
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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 to Developmental Psychology.

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

**Desmeules-Trudel, F.,** & Zamuner, T. S. (in press). Gradient and categorical patterns of spoken word recognition and processing of phonetic details. *Attention, Perception, & Psychophysics*.

**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 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 Québécois French nasal and potentially nasalized vowels]. In Vinerte, S. (ed.), *Proceedings of the 2015 Annual Conference of the Canadian Linguistic Association*, Ottawa, ON.

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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*, 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 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.

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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 at the Linguistics Department, University of Ottawa, Ottawa, ON. February 5 & 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.

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#### MANUSCRIPTS IN PREPARATION

**Desmeules-Trudel, F., & Joanisse, M.** (in preparation). *The influence of sleep-related memory consolidation and perceptual assimilation on newly-learned word recognition and foreign vowel discrimination: Evidence from eye movements*. Ongoing project.

**Desmeules-Trudel, F., & Joanisse, M.** (in preparation). *Training on perceptual assimilation contributes to better learning of (non)words that contain foreign vowels*. Ongoing project.

**Desmeules-Trudel, F., & Zamuner, T.** (in preparation). *Cross-language semantic priming in school-age children: Picture-naming reaction time*. Ongoing project.

Zamuner, T., Johnson, E., & **Desmeules-Trudel, F.** (in preparation). *English-French bilingual children's recognition of French-accented words: Evidence from eye tracking*. Ongoing project.

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#### RESEARCH EXPERIENCE

2016	<b>Research assistant</b> Department of Linguistics – University of Ottawa → Linguistics Laboratories (SPL, CCLR, ERPLing)	<i>winter semester</i>
2013-2014	<b>Research assistant</b> Department of Linguistics – University of Ottawa & Royal Canadian Mounted Police → Voice identification project	<i>fall &amp; winter semesters</i>
2013-2014	<b>Research assistant</b> Department of Linguistics – University of Ottawa → Centre for Child Language Research	<i>fall &amp; winter semesters</i>

- 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

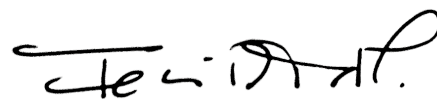
- 2016      **Presenter @ Open House – Studying Linguistics**  
Department of Linguistics – University of Ottawa
- 2016      **Participant – EMLAR XII**  
Utrecht Institute of Linguistics OTS – Utrecht University
- 2016      **Member of the organizing committee – Psychoshorts 2016**  
Department of Linguistics – 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**

- International Congress of Phonetic Sciences 2019
  - Western University Postdoctoral Fellowship Program
  - 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 (Université Laval, Québec City, QC)
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**LANGUAGES:** French (native), English (near-native), Portuguese (intermediate)

**CITIZENSHIP:** Canadian



Updated: February 11, 2019