

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

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

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, assimilation, and external factors*. 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.

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.

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.

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.

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*

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

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

2013-2014 **Research assistant** *fall & winter semesters*
 Department of Linguistics – University of Ottawa & Royal Canadian Mounted 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 – 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

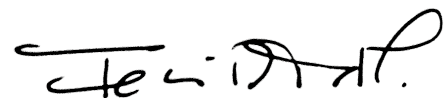
- 2017 **Research intern**
Donders Institute for Brain, Cognition and Behavior – Radboud University Nijmegen
- 2016 **Presenter @ Open House – Studying Linguistics**
Department of Linguistics – University of Ottawa
- 2016 **Participant – EMLAR XII**
Utrecht Institute of Linguistics OTS – Utrecht University
- 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^{èmes} Journées de linguistique (Université Laval, Québec City, QC)
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LANGUAGES: French (native), English (near-native), Portuguese (intermediate)

CITIZENSHIP: Canadian



Updated: September 1st, 2019