# Félix Desmeules-Trudel

fdesm014@uottawa.ca felixdtrudel.github.io Department of Linguistics University of Ottawa 70 Laurier East Ottawa, ON K1N 6N5

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

**EMPLOYMENT** (forthcoming)

2018-2020 **Postdoctoral researcher** 

University of Western Ontario – Department of Psychology

# 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

## 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

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

 Student mobility bursary
 University of Ottawa
 Research internship at the Donders Institute – Radboud University Nijmegen

 Research Internship
 Laval University
 Research internship at the University of São Paulo

### **PUBLICATIONS**

**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. (2018). Phonotactic restrictions condition the realization of vowel nasality contrasts 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.

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**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 Biennal 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, 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.

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**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 IN PREPARATION

**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*.

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**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, ERPLin	ng)
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 Transl	ation – Laval University
	→ Speech motor control in Parkinson's-affected p	patients
2010-2011	Research assistant	various semesters
	Department of Languages, Linguistics and Transl	ation – Laval University
	→ CoPho Project	

# 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)

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# 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

### **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)
- XVIèmes Journées de linguistique (Laval University, Québec City, QC)

LANGUAGES: French (native), English (near-native), Portuguese

CITIZENSHIP: Canadian

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