

# Johanna Cronenberg

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## Academic Curriculum Vitæ

### Career Summary and Research Focus

Having received undergraduate degrees in Romance Philology and General Linguistics, as well as a graduate degree in Phonetics and Speech Processing, I am now a PhD student at the Institute of Phonetics and Speech Processing under the supervision of Prof. Jonathan Harrington. My research focuses on the two central questions around sound change: How does change arise and how does a new sound spread throughout a speech community? To answer these intriguing questions, I apply computational methods such as agent-based modelling as well as traditional methods from laboratory phonology.

### Education

Since 2018 **PhD Program: Phonetics and Speech Processing**, LMU Munich.

Expected graduation: March 2022

2016–2018 **M.A. Phonetics and Speech Processing**, LMU Munich, final grade 1.1 (A).

Minor field of study: Computational Linguistics

2013–2016 **B.A. Language and Communication**, University of Marburg, final grade 1.3 (A).

Major subjects: speech science & psycholinguistics

2012–2016 **B.A. Romance Philology**, University of Marburg, final grade 1.3 (A).

Major subjects: Spanish & Italian

### Publications

#### Peer-Reviewed Journals

2020 **Cronenberg, J.**, Gubian, M., Harrington, J. & Ruch, H. (in press): A dynamic model of the change from pre- to post-aspiration in Andalusian Spanish. *Journal of Phonetics*.

#### Conferences

2019 **Cronenberg, J.** (oral presentation): Modelling an ongoing sound change in the East Franconian dialect by means of an agent-based model. *P&P Conference*, Düsseldorf.

**Cronenberg, J.** & Harrington, J. (oral presentation): Modelling the sound change of pre- to post-aspiration using an agent-based model. *Seminar on Phonetics*, Venice.

2018 **Cronenberg, J.**, Haller, L., Patáková, I. & Draxler, C. (poster & paper): Devoicing of /z/ in the Bavarian dialect: a large-scale study. *P&P Conference*, Vienna.

2017 Slavík, K., **Cronenberg, J.**, Balafa, E. & Draxler, C. (oral presentation): The spoken production of gender-neutral nouns in German. *Linguistics Prague Conference*, Prague.

Slavík, K., **Cronenberg, J.**, & Draxler, C. (poster & paper): A study on the pronunciation of gender-neutral nouns in German. *P&P Conference*, Berlin.

## Teaching

- 2020 **Programming and Statistics in R**, undergraduate lecture and tutorial  
**Introduction to Programming in R and tidyverse**, workshop for PhD students  
**Introduction to Linear Regression and Mixed Models in R**, workshop for PhD students

## Administrative Experience

- 2020 Organisation of a Young Researchers Kolloquium at the Institute of Phonetics and Speech Processing, LMU Munich.

## Professional Experience

- 2018–2019 **Technology Consultant**, Zielpuls Munich.  
○ Development of an app for mobility services in collaboration with BMW  
○ Teamwork according to SCRUM
- 2016–2018 **Student Worker**, Institute of Phonetics and Speech Processing, LMU Munich.  
○ Automatic validation of speech corpora using Python and Bash  
○ Implementation of new languages in WebMAUS (software for automatic segmentation)  
○ Design of e-learning module for phonetic transcription courses
- 2016 **Intern**, Department of Phoniatrics and Paediatric Audiology, University Hospital Marburg.  
○ Editing and proof-reading of scientific papers in German and English  
○ Database maintenance in SPSS
- 2015 **Intern**, Department of Phoniatrics and Paediatric Audiology, University Hospital Frankfurt.  
○ Development of a biofeedback treatment for speech therapy  
○ Guest student during dysphagia therapies with cancer patients
- 2014 **Freelance Translator**.  
○ Translation of *En casa de John Lennon* from Spanish to German

## Other Skills & Qualifications

### IT Skills

- Advanced R, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office  
Intermediate Python, SQL  
Basics JavaScript, Bash

### Languages

- Advanced German, English, Spanish  
Intermediate French, Italian  
Basics Turkish, Xhosa