Irene Winther

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EDUCATION

University of Edinburgh

Ph.D. in Natural Language Processing — September 2019 –
- Advisors: Martin Pickering and Yevgen Matusevych

M.Sc. Psychology of Language, *Distinction* — 2016 –2017
- Advisor: Martin Pickering

- Thesis: "The Effect of Semantic Constraint on Lexical Access in Bilingual Word Recognition"

School of Oriental and African Studies, University of London

Erasmus+ Exchange Programme, *GPA: 76/100* — 2015 –2016

Norwegian University of Science and Technology

B.A. in Foreign Languages with specialization in English, *GPA: 4/5* — 2013 –2016

PUBLICATIONS

Winther, I. E., Matusevych, Y., & Pickering, M. J. (2023). Can learning explain cognate effects in bilingual comprehension and production? In M. Santesteban, J. A. Duñabeitia, & C. Baus (Eds.), *Bilingualism through the Prism of Psycholinguistics: In honour of Albert Costa* (pp. 104–129). John Benjamins Publishing Company.

Frank, S., Hinaut, X., Kaan, E., Khoe, Y. H., Chen, L., Winther, I. E., & Matusevych, Y. (2022). Bilingual sentence processing: When models meet experiments. *Proceedings of the 44th Annual Conference of the Cognitive Science Society.*

Winther, I. E., Matusevych, Y., & Pickering, M. J. (2021). Cumulative frequency can explain cognate facilitation in language models. In T. Fitch, C. Lamm, H. Leder, & K. Teßmar-Raible (Eds.), *Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 2513–2519). Cognitive Science Society. [Paper] [Poster].

TEACHING

- **Marker** at the University of Edinburgh — Spring 2024
  Informatics 1 - Cognitive Science (INFR08020)

- **Marker, Demonstrator** at the University of Edinburgh — 2021/22
  Data Analysis for Psychology in R1 (PSYL08013)

- **Marker** at the University of Edinburgh — Autumn 2021
  Univariate Statistics and Methodology using R (PSYL11053)

RESEARCH VISITS

Visiting researcher, Department of Experimental Psychology — Feb – Apr 2024
Supervisor/collaborator: Prof. Robert Hartsuiker — Ghent University, Belgium

SGSSS - Saltire Emerging Researcher Programme Targeted Placement — Aug – Dec 2022
Supervisor/collaborator: Prof. Robert Hartsuiker — Ghent University, Belgium
- Psycholinguistics for polyglots: Language cognition in speakers of multiple languages

PRESENTATIONS

Cumulative Frequency Can Explain Cognate Facilitation in Language Models · 11 June 2024
Talk, ANN-HumLang workshop, University of Amsterdam · Amsterdam, Netherlands

Do non-native speakers predict cognates more than non-cognates? · 4 June 2024
Poster, CDT Conference · Edinburgh, UK

Is cognate processing affected by the language of instruction? · 15 May 2024
Talk, Psycholinguistics Coffee, University of Edinburgh · Edinburgh, UK

Cognate processing and the role of learning · 29 June 2023
Poster, International Symposium on Bilingualism (ISB14) · Sydney, Australia

Cognate processing and the role of learning · 14 June 2023
Poster, CDT Conference · Sheffield, UK

Is cognate processing affected by the language of instruction? · 12 December 2022
Talk, Hartsuiker lab, Ghent University · Ghent, Belgium

Computational Modelling in Psycholinguistics · 23 October 2022
Workshop, 1st Language and Interaction Network (LINk2022) · Edinburgh, UK

Word frequency effects in bilingual language models · 22 October 2022
Poster, 1st Language and Interaction Network (LINk2022) · Edinburgh, UK

Word frequency effects in bilingual language models · 30 July 2022
Talk, Symposium on Bilingual Sentence Processing: when Models Meet Experiments, CogSci2022 · Toronto, Canada

Cumulative frequency can explain cognate facilitation in language models · 5 April 2022
Talk, Language and Cognition Research Group, Cardiff University · Cardiff, UK (online due to covid-19)

Cumulative frequency can explain cognate facilitation in language models · 29 July 2021
Poster, CogSci2021 · Vienna, Austria (online due to covid-19)

Cognate facilitation in computational language models · 28 April 2021
Talk, Psycholinguistics Coffee, University of Edinburgh · Edinburgh, UK (online due to covid-19)

VOLUNTEERING

- Volunteer AMLaP2024 · February - September 2024

  Involved with sponsorship applications and providing information before and during the 30th conference for Architectures and Mechanisms for Language Processing

- Volunteer CogSci2024 · July 2024

  Providing information and support during the 46th Annual Meeting of the Cognitive Science Society

- Organiser/moderator of Psycholinguistics Coffee · 2020 –2021

  Organised the talk series of the Language, Cognition, and Communication research group at the School of Philosophy, Psychology and Language Science, University of Edinburgh.

- Organiser of CDT-NLP Reading Group · 2019 –2021

  Organised a reading group for members of the Centre for Doctoral Training in Natural Language Processing at the School of Informatics, University of Edinburgh.

Further Training

Open Science and Git	October 2022
Workshop on version control in GitHub	University of Edinburgh
PPLS Open Research Pre-registration Workshop	October 2022
Workshop on pre-registration and open research practices	University of Edinburgh
Sixth Summer School on Statistical Methods for Linguistics and Psychology	September 2022
Foundational methods in frequentist statistics	University of Potsdam
PPLS Inclusive Teaching Training Workshop	January 2022
Equality, diversity and inclusion workshop	University of Edinburgh
Online Experiments with jsPsych	August 2021
Online course on jsPsych	University of Edinburgh
Tex2016: Trieste Encounters on Cognitive Science	July 2016
Summer school/symposium	International School for Advanced Studies, Trieste

Languages

Norwegian fluent

Finnish fluent

English fluent

Swedish excellent

German intermediate

Italian beginner

Persian beginner

Skills

Programming R, Python

Tools/Techs LaTeX, Git, jsPsych, Unix

Web HTML/CSS

Software SR Research