

Dr. Jennifer Lewendon

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RESEARCH INTERESTS

My research interests span cognitive neuroscience investigations into speech processing, the development of functional/neurobiological accounts of language-related ERP components, and improvements in the methodological quality, replicability, and reliability language science research.

EDUCATION

2016 – 2020	Cognitive Neuroscience – Bilingualism (PhD) Bangor University, Supervised by Professor Guillaume Thierry, Dr. Anouschka Foltz, Thesis: <i>Two languages, one mind: How accent and lexical stress modulate bilingual language activation.</i>
2015 – 2016	Public Health (PGDip) Warwick University: Warwick Medical School Grade: Distinction
2014 – 2015	Postgraduate Certificate in Education (PGCE) Wolverhampton University Grade: Good
2011 – 2014	English Language and Linguistics (BA) Bangor University: School of Linguistics and English Language Grade: First class (Hons)

POSITIONS

Temporary Lecturer Hong Kong University	Oct. 2022 – to date
<ul style="list-style-type: none">Module development and co-ordination of the <i>Research Methods & Statistics</i> course Speech-Language Pathology BSc.	
Postdoctoral Fellowship Hong Kong Polytechnic University	April 2021 – to date
<ul style="list-style-type: none"><i>The Phonological Mapping Negativity: Authenticity, & functional sensitivity.</i> Description: Postdoctoral fellowship (2-year award).	
Postgraduate Research Assistant Bangor University	May 2020 – May 2021
<ul style="list-style-type: none"><i>COVID-19: Identifying the best remote teaching methods for children with and without literacy difficulties.</i> Description: RA role including data collection and co-ordination/provision of interventions including literacy training and assessments.	

- *Verification-related processes: Similarities in L1 and L2 language processing?*
Description: ERP data acquisition, data processing & conference poster contributions.

PUBLICATIONS

- Lewendon, J., Egan, C., & Politzer-Ahles, S.J. (in prep¹) The Phonological Mapping Negativity: A systematic review.
- Lewendon, J., Yao, Y., Politzer-Ahles, S.J. (targeted for submission by Feb 2022²) The Phonological (sic?) mapping negativity.
- Vari, J., **Lewendon, J.** (under review) Studying implicit automatic language attitudes: Methodological challenges of the Affective Priming Paradigm. *Language & Communication*.
- Lewendon, J., Egan, C., Politzer-Ahles, S.J. (under review) A systematic approach to ERP methodological quality assessment: the Event-Related Potential Quality Assessment List. *Psychophysiology*.
- Lewendon, J., Politzer-Ahles, S.J. (under review) The MMN by another name? Exploring the assumed autonomy of the Phonological Mapping (Mismatch) Negativity. *Language Cognition and Neuroscience*.
- Lewendon, J., Mortimore, L., & Egan, C. (2020). The phonological mapping (mismatch) negativity: History, inconsistency, and future direction. *Frontiers in psychology*, 11, 1967.
- Lewendon, J., Foltz, A., & Thierry, G. (2020). Electrophysiological Differentiation of the Effects of Stress and Accent on Lexical Integration in Highly Fluent Bilinguals. *Brain Sciences*, 10(2), 113.

¹ Pre-registered: https://osf.io/u35xk/?view_only=76c57b6198f5477b9a9fd5c780cb374b

TEACHING ACTIVITIES

Module development & delivery:

- Research Methods & Statistics, 2nd year course, Hong Kong University, 2022
- Brain & Language. 3rd year course, Bangor University, 2020
- Language Impairments & Bilingualism. MA course, Bangor University, 2020
- Statistics & Research Methods, 2nd year course, Hong Kong University, 2022

Delivery:

- Introduction to Linguistics. 1st year course, Bangor University, 2016
- Meaning and Mind. 2nd year course, Bangor University, 2017
- Brain and Mind, 3rd year course. Bangor University, 2018 (practical anatomy lead)
- Sounds and Sound Systems. 2nd year course, Bangor University, 2019

RESEARCH GRANTS

- Faculty Reserve International Collaboration Funding Scheme (HK\$146,525) – Co-I - 2021
- Santander Mobility Grant (£1000) – PI – 2019
- Economic & Social Research Council Fieldwork Grant (£2270) – PI – 2019

STUDENT SUPERVISION

- Joint supervisor – Xu Chenxi – BA Language and Speech Sciences – 2022-to-date
- First supervisor – Wang Masie – MA Linguistics – 2019-2020

- Joint supervisor – Jonathan Culkin – MA Linguistics – 2019-2020
- Joint supervisor – Nicky Jones – RA internship – 2019-2020

CONFERENCES & INVITED TALKS

- Lewendon, J., Egan, C., & Politzer-Ahles, S.J. The Event-Related Potential Quality Assessment List (EQuAL): a framework for systematic review and meta-analyses. *Cognitive Neuroscience Annual Meeting (CNS)*, San Francisco, 2022.
- Lewendon, J., Egan, C., & Politzer-Ahles, S.J. *Developing a tool for systematic reviews of ERP literature*. Hong Kong Polytechnic University, Language Neurobiology Group, 2021.
- Maquate, K., Schlieve, K., **Lewendon, J.**, & Knoeferle, P. (2020) Lexical versus compositional World-Language Relations: Event-Related Brain Potential effects during Second Language Processing *33rd Annual CUNY Human Sentence Processing Conference*. Massachusetts, USA.
- Maquate, K., Schlieve, K., **Lewendon, J.**, & Knoeferle, P. (2020) *Event-related brain potential effects of actions and role relations during second language picture-sentence verification*. *Cognitive Neuroscience Society (CNS)*. Boston, USA.
- Lewendon, J., Foltz, A., & Thierry, G. *Accent and bilingualism*. University of Bangor, School of Language, Literatures & Linguistics Research Series, 2019.
- Lewendon, J., Foltz, A., & Thierry, G. *The role of native accent in unconscious L1 access*. Humboldt-Universität zu Berlin, Dept. of German Studies and Linguistics, Berlin, 2019.
- Lewendon, J., Foltz, A., & Thierry, G. (2018). Does stress close the language gate? Inhibition of unconscious L1 activation. *24th Annual AMLaP Conference*, Berlin, Germany.
- Lewendon, J., Foltz, A., & Thierry, G. (2018). Lexical stress and unconscious L1 activation. *Cognitive Neuroscience of Second and Artificial Language Learning*, Bangor, UK.
- Lewendon, J., Foltz, A., & Thierry, G. *Stress & accent within an integrated lexicon: Influences on implicit priming through L1 activation*. University of Zurich, Phonetics group & laboratory, Switzerland, 2018.

TRAINING & SKILLS

- ERP acquisition (Biosemi; ActiCHamp; Neuroscan, Curry), pre-processing, & measurement (Brain Vision Analyser, Scan4, MATLAB, ERPLab)
- Transcranial Magnetic Stimulation (TMS)
- Eye-tracking
- Statistical analysis (Jamovi, SPSS, MATLAB, Fieldtrip, R)
- Experiment programming software (E-Prime, Open Sesame, Presentation)

SERVICES TO THE PROFESSIONAL COMMUNITY

Podcasts:

- *Moving laboratory: Science during the pandemic*. (2022). Nature Careers Podcast. <https://www.nature.com/articles/d41586-022-04396-8>
- Lewendon, J. (2021) Trapped in a hotel room: my scientific life in the pandemic. *Nature*, 600(7889), 559-560.

Conference Organisation:

- Cognitive Neuroscience of Second and Artificial Language Learning Conference. Reviewer & Organiser (Bangor University, 2019).
- 3rd bi-annual Second Language Prosody Workshop. Reviewer & Organiser (Bangor University, 2017)