

**Dr. Jennifer Lewendon**

<https://j-lewen.github.io/>

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## RESEARCH INTERESTS

My research interests span cognitive neuroscience investigations into speech processing (particularly that of linguistic and social information), the development of functional and neurobiological accounts of language-related ERP components, and bi-/multilingualism.

## EDUCATION

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

## EMPLOYMENT

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### Postdoctoral Fellow

New York University Abu Dhabi

May 2023 – to date

- *Social Cognition & its Electrophysiological Correlates.*  
Description: Postdoctoral fellowship (2-year fellowship).

### Temporary Lecturer

Hong Kong University

Oct. 2022 – May 2023

- Module development and co-ordination of the *Research Methods & Statistics* course Speech-Language Pathology BSc.

### Postdoctoral Fellow

Hong Kong Polytechnic University

April 2021 – May 2023

- *The Phonological Mapping Negativity: Authenticity, & functional sensitivity.*  
Description: Postdoctoral fellowship (2-year award).

**Postgraduate Research Assistant**  
Bangor University

May 2020 – May 2021

- *COVID-19: Identifying the best remote teaching methods for children with and without literacy difficulties.*  
Description: RA role including data collection and co-ordination/provision of interventions including literacy training and assessment

**Visiting Researcher**  
Humboldt-Universität Berlin

Jan. 2019 – June 2019

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

## **PUBLICATIONS**

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- Lewendon, J., Lin, J., Politzer-Ahles, S.J. (Submitted) Unconscious categorisation of L2 concepts may be based on the native semantic network, *PNAS*.
- Lewendon, J., Britton, J., Politzer-Ahles, S.J. (under review) The ‘Phonological?’ Mapping Negativity – language specificity of auditory ERP responses. *PLOS ONE*.
- 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., Britton, J., Politzer-Ahles, S.J. (2023) 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.

## **TEACHING ACTIVITIES**

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### **Module development & delivery:**

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

### **Delivery:**

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

## RESEARCH GRANTS

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- 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

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- 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

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- Lewendon, J., Lin, J., Politzer-Ahles, S.J. (submitted) Unconscious categorisation of L2 concepts may be based on the native semantic network. *The European Society for Cognitive Psychology (ESCoP)*, Portugal.
- Lewendon, J., Egan, C., & Politzer-Ahles, S.J. (2022). The Event-Related Potential Quality Assessment List (EQuAL): a framework for systematic review and meta-analyses. *Cognitive Neuroscience Annual Meeting (CNS)*, San Francisco.
- Lewendon, J., Egan, C., & Politzer-Ahles, S.J. (2021). Developing a tool for systematic review of ERP literature. *Language Neurobiology Group*, Hong Kong Polytechnic University.
- 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 potent effects of actions and role relations during second language picture-sentence verification*. *Cognitive Neuroscience Society (CNS)*. Boston, USA.
- Lewendon, J., Foltz, A., & Thierry, G. (2019). *Accent and Bilingualism*. Language, Literatures & Linguistics Research Series. University of Bangor.
- Lewendon, J., Foltz, A., & Thierry, G. (2019). The role of native accent in unconscious L1 access. Humboldt-Universität zu Berlin, Dept. of German Studies and Linguistics, Berlin.
- 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. (2018) Stress & accent within an integrated lexicon: Influences on implicit priming. *Phonetics Group & Laboratory*. University of Zurich, Switzerland.

## **TRAINING AND SKILLS**

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- 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**

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### **Podcasts & Articles**

- *Moving laboratory: Science during the pandemic.* (2022). *Nature Careers*. <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).
- 3<sup>rd</sup> bi-annual Second Language Prosody Workshop. Reviewer & Organiser (Bangor University, 2017)



