

Laura E. Gwilliams

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<https://files.nyu.edu/leg5/public/>

Research Positions

- Aug 2013 - Present *Research Assistant, New York University Abu Dhabi*
Supervisors: Dr. Alec Marantz and Dr. Liina Pytkäinen
- July 2012 - Jan 2014 *Research Assistant, Cardiff University*
Supervisor: Dr. Lise Fontaine
- Sept 2011 - June 2012 *Graduate Research Team, Cardiff University*

Education

M.Sc. 2012 - 2013

Cognitive Neuroscience of Language
Basque Center on Cognition, Brain and Language (BCBL)
Grade: *Excellent*
Dissertation: *Sensitivity to morphological composition*
Supervisors: Dr. Arthur Samuel and Dr. Philip Monahan

B.A. 2009 - 2012

English Language, with specialisation in theoretical linguistics
Cardiff University
Grade: *1st Class with honours*
Dissertation: *Ambiguity of process-type selection in systemic functional linguistics*
Supervisor: Dr. Lise Fontaine

Awards and Scholarships

Dell Hymes Commendation for Excellent Academic Achievement, Cardiff University, 2012
Description: Presented to the top graduating student within the department

Academic Service

Conference Assistant, *Society for the Neurobiology of Language*, **October 2012**
Editor of *Centre for Language and Communication Research Newsletter*, **2011 – 2012**
Guest writer for *Gair Rhydd's "Science" page*, *Cardiff University's student newspaper*, **2011 - 2012**
Student Representative, *English Language Graduating Class of 2012*, *Cardiff University*, **2009 - 2012**

Software and Programming Skills

Data Acquisition: MEG, EEG, eye-tracking, behavioural, Mechanical Turk, fMRI (limited experience)

Data Analysis: MNE-Python, BESA, MATLAB (Fieldtrip), R, MEG160

Auditory Packages: Praat, Audacity

Experimental Design: Presentation, MATLAB (Psychtoolbox), DMDX

Programming: Python, Perl, Unix (bash, tcsh), HTML

Manuscripts

Gwilliams, L., Lewis, G. & Marantz, A. (In preparation). The visual word form before the visual word form area: Revealing the temporal, spatial and oscillatory dynamics of letter string perception.

Gwilliams, L. & Marantz, A. (Submitted). Tracking non-linear prediction in a linear speech stream: Influence of morphological structure on spoken word recognition.

Politzer-Ahles, S., & **Gwilliams, L.** (Under review). Involvement of prefrontal cortex in scalar implicatures: Evidence from magnetoencephalography.

Gwilliams, L., Monahan, P., & Samuel, A. (Submitted). Sensitivity to morphological composition: Evidence from grammatical and lexical decision tasks.

Gwilliams, L. & Fontaine, L. (Under revision). Ambiguous process type selection in systemic functional linguistics: Evidence from an online classification task.

Posters and Presentations

Gwilliams, L., Lewis, G., & Marantz, A. (2014, August). *Revealing the cortical dynamics of letter string perception*. Poster presented at the Society for the Neurobiology of Language Conference, Amsterdam, Netherlands.

Linzen, T., Gaston, P., **Gwilliams, L.** & Marantz, A. (2014, August). *Competition and prediction in the auditory processing of morphologically complex words*. Poster presented at the Society for the Neurobiology of Language Conference, Amsterdam, Netherlands.

Gwilliams, L. & Fontaine, L. (2014, July). *Ambiguity in process type selection in systemic functional linguistics*. Presentation at the 25th European Systemic Functional Linguistics Conference, Paris, France.

Brodbeck, C., **Gwilliams, L.** & Pykkänen, L. (2014, February). *Reference resolution and prediction in a visual world: MEG evidence from English and Arabic*. Presentation at the NYUAD Annual Research Conference 2014, Abu Dhabi, UAE.

Gwilliams, L., Monahan, P. & Samuel, A. (2013, June). *Activation of verbal derivation during nominalisation decomposition*. Poster presented at The 8th International Morphological Processing Conference, Cambridge, UK.

Gwilliams, L., Monahan, P., & Samuel, A. (2013, March). *Decompositional processing of nominalisations*. Poster presented at the Basque Center on Cognition, Brain and Language (BCBL), San Sebastian, Spain.