

# PETER JAMES BODDY

## ACADEMIC CURRICULUM VITAE



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### ACADEMIC POSTS

2019 - 2020 **Senior Research Associate - Postdoc**  
School of Psychology - University of East Anglia  
PI - Prof. Kenny Coventry  
Grant: DCOMM - Deictic communication

### EDUCATION

2020 **PhD Experimental Linguistics: Neurocognition of Language & Language Acquisition**  
**Grade: Distinction & Cum Laude**  
Basque Center on Cognition, Brain and Language (BCBL)  
Supervisors: Dr. Eiling Yee (UConn) & Dr. Pedro Paz-Alonso (BCBL)  
Thesis: *The Relationship between Context and Conceptual Access.*

2013 **M.Sc. Cognitive Neuroscience of Language - Grade: 81.8%**  
Basque Center on Cognition, Brain and Language (BCBL)

2010 **Philosophy of Cognitive Science (1yr = 50% of M.A) - Grade: 82.5%**  
University of Sussex, England

2007 **B.A. Philosophy and Psychology (Joint Honours) - Grade: 2:1**  
The University of Warwick, England

### RESEARCH INTERESTS

The representation of conceptual information in the brain. Sensorimotor/embodied accounts of semantics. Conceptual dynamics, i.e., how context, whether the environment you are in, the activities you are multitasking or the idiosyncrasies of your previous experiences, affects how you think about objects. Parkinson's Disease and its impact on the representation of manipulable objects. L-dopa and impulse control disorders. Olfaction & vision in semantic memory. Interference/facilitation of conceptual retrieval/task performance during on-line multitask processing. Spatial language and deictic communication. Interactive alignment.

### PUBLISHED PAPERS

- Davis, C. P., Joergensen, G. H., **Boddy, P.**, Dowling, C., & Yee, E. (2020). *Making It Harder to "See" Meaning: The More You See Something, the More Its Conceptual Representation Is Susceptible to Visual Interference*. *Psychological Science*, 31(5), 505-517.
- Paz-Alonso PM, Navalpotro-Gomez I, **Boddy P**, Dacosta, R., Delgado-Alvarado, M. Quiroga-Varela, A., Jimenez-Urbieto, H., Carreiras, M. & Rodriguez-Oroz, M. (2020). *Functional inhibitory control dynamics in impulse control disorders in Parkinson's disease*. *Movement Disorders*. 35(2):316-325.

### POSTERS

- Boddy, P., Paz-Alonso, K. & Yee, E. (2016). *Does smelling pine cones make it harder to think about strawberries?* Poster presentation at the 57th Annual Meeting of the Psychonomic Society (PS 2016), Boston, USA.
- Boddy, P. & Yee, E. (July, 2015). *Visual properties of object semantics are experience related*. Poster presentation at Embodied and Situated Language Processing (ESLP 2015), Lyon, France & the 7th Annual Meeting of the Society for the Neurobiology of Language (SNL 2015), Chicago, USA.

- Boddy, P. & Yee, E. (2014). *What the ear hears affects what the eyes see: Semantic interference on visual task*. Poster presentation at 21st Annual Meeting of Cognitive Neuroscience Society (CNS 2014), Boston, USA & Workshop on Concepts, Actions and Objects (CAOS 2014), Rovereto, Italy.

## ORAL PRESENTATIONS

- Boddy, P., Paz-Alonso, K. & Yee, E. (2019). *Olfaction and Representation*. Symposium talk at the International Convention of Psychological Science (ICPS), Paris, France.
- Boddy, P. (2015). *Pensando con tu Cuerpo / Thinking with your Body*. Public talk (in Spanish) at the BCBL Brain week, Donostia, Spain.
- Boddy, P. (2014). *Context and Concepts*. Oral presentation at the European Campus of Excellence (ECE) Memory and Mind Summer School, Bochum, Germany.
- Boddy, P. & O'Neil, S. (2007). *Embodied Cognition*. Oral presentation at the Warwick Psychology and Philosophy annual retreat, London, UK.

## PAPERS IN PREPARATION

- Boddy, P., Arikan, G., Collier, J. & Coventry, K. *Priming reference frames with spatial demonstratives*
- Boddy, P., Paz-Alonso, K. & Yee, E. *Smelling pine cones makes it harder to think about strawberries*
- Boddy, P. & Yee, E. *Visual properties of object representations are related to experience*

## AWARDED GRANTS

*Memory and Mind:* European Campus of Excellence: European Summer School  
Fully funded two-week summer school, RUB, Bochum, Germany.

*CARLA:* Concepts in Action: Representation, Learning, and Application  
Fully funded one-week summer school, ICS, Osnabrück, Germany.

## TEACHING EXPERIENCE

- 2020 UEA: Co-mentored a 3<sup>rd</sup> year undergraduate project and dissertation
- 2019 UEA: *Brain and cognition* - 3<sup>rd</sup> year module – led two seminars

## EXTERNAL COURSES ATTENDED

- Sept 2016 *Visceral Mind*: Summer School, Bangor, UK.  
Advanced neuroanatomy, Dissection skills, Patient sessions, Imaging techniques.
- June 2016 *Software Carpentry*: Course, San Sebastian, Spain.  
Scientific Computation: Git, Bash, Python
- Sept 2014 *Memory & Mind*: ECE Summer School, Bochum, Germany.  
Cross disciplinary course on memory research from Psychology, Philosophy, Neurobiology & Cognitive Science.
- July 2014 *Language*: ESCoP Summer School, San Sebastian, Spain.  
Advances in Language research
- Oct 2013 *Neuroanatomy & Dissection*: UPV/EHU, Spain.  
5-day course at the UPV medical school.

## OUTREACH ACTIVITIES

*LanAldi program* (Basque Govt.) - Mentoring of high school students thinking of studying scientific subjects & work shadowing.

*Undergrad RA mentoring* (UConn) - Organising and mentoring; experiment design, stimuli development, data collection etc.

## TECHNICAL COMPETENCIES

- (f)MRI – design, acquisition, data management, analysis reporting.
- Training in EEG & eye-tracking experimentation and analysis
- Data analysis, modelling and visualisation with R (lme4, ggplot etc)
- Online data collection: Pavlovia, Gorilla, MTurk
- SPSS, Jasp, Jamovi, Excel
- Matlab (SPM8), Python
- Presentation, Experiment Builder, Psychtoolbox, PsychoPy

- FFmpeg, Praat, Gimp
- Git, Bash, html

**LANGUAGES**            English (mother tongue) | Spanish (advanced)