

Loukia Tzavella

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Education

PhD in Psychology, Cardiff University (2015 - 2019)

Thesis: Behavioural measures and training interventions for food-related cognition, motivation and affect

MSc in Neuroimaging Methods & Applications, Cardiff University (2014)






BSc in Psychology, Nottingham Trent University (2013)

Employment & Funding


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| Oct 2021 – Present | Postdoctoral Research Associate , CUBRIC, Cardiff University
Responsibilities include conducting research in experimental and applied psychology (training for dietary behaviour change and implicit cognition measures), undertaking meta-scientific research, developing tools for facilitating the implementation of open science practices and contributing to teaching and PhD supervision. |
| Oct 2020 – Sep 2021 | Postdoctoral Research Fellow (ESRC), CUBRIC, Cardiff University
Tzavella, L., ' Reproducibility in health intervention research and beyond: addressing the challenges and developing innovative solutions ' (£126,071) |
| Nov 2019 – Sep 2020 | Postdoctoral Researcher , CUBRIC, Cardiff University |
| Nov 2016 – June 2016 | Research Assistant for the Restrain app (Part-time), Cardiff University |

Publications




- **Tzavella, L.**, Chambers, C. D. (2022). Explicit and implicit devaluation effects of food-specific response inhibition training. [Accepted – in proof stage at *Journal of Cognition*]
 [Data & analysis scripts](#) [Research materials](#) Preregistrations for [Experiment 1](#) and [Experiment 2](#)
- **Tzavella, L.**, Chambers, C. D. (2022). Response inhibition training and measures of explicit and implicit food valuation. *Current Opinion in Behavioral Sciences*. DOI: [10.1016/j.cobeha.2022.101230](https://doi.org/10.1016/j.cobeha.2022.101230)
- Hardwicke, T. E., Thibault, R. T., Kosie, J. E., **Tzavella, L.**, Bendixen, T., Handcock, S. A., Köneke, V. E., Ioannidis, J. P. A. (2022). Post-publication critique at top-ranked journals across scientific disciplines: a cross-sectional assessment of policies and practice. *Royal Society Open Science*. DOI: [10.1098/rsos.220139](https://doi.org/10.1098/rsos.220139)
- Randle, M., Duarte, I., Maizey, L., **Tzavella, L.**, Adams, R. C., Chambers, C. D. (2022). The Restrain Food Database: validation of an open-source database of foods that should be eaten more or less as part of a healthy diet. *Royal Society Open Science*. DOI: [10.1098/rsos.220923](https://doi.org/10.1098/rsos.220923)
- Chambers, C.D., **Tzavella, L.** (2022). The past, present and future of Registered Reports. *Nature Human Behaviour*. DOI: [10.1038/s41562-021-01193-7](https://doi.org/10.1038/s41562-021-01193-7)
- Pennington, C. R., Jones, A. J., **Tzavella, L.**, Chambers, C. D., Button, K. S. (2022). Beyond online participant crowdsourcing: The benefits and opportunities of big team addiction science. *Experimental and Clinical Psychopharmacology*. DOI: [10.1037/pha0000541](https://doi.org/10.1037/pha0000541)
- Pownall, M., Azevedo, F., Aldoh, A., Elsherif, M., Vasilev, M., Pennington, C. R., Robertson, Tromp, M. V., Liu, M., Makel, M. C., Tonge, N., Moreau, D., Horry, R., Shaw, J., **Tzavella, L.**, McGarrigle, R., Talbot, C., Parsons, S. (2021). Embedding open and reproducible science into teaching: A bank of lesson plans and resources. *Scholarship of Teaching and Learning in Psychology*. DOI: [10.1037/stl0000307](https://doi.org/10.1037/stl0000307)

- **Tzavella, L.**, Lawrence, N. S., Button, K. S., Hart, E. A., Holmes, N. M., Houghton, K., Badkar, N., Macey, E., Braggins, A-J., Murray, F. C., Chambers, C. D., Adams, R. C. (2021). Effects of go/no-go training on food-related action tendencies, liking and choice. *Royal Society Open Science*. DOI: [10.1098/rsos.210666](https://doi.org/10.1098/rsos.210666)
 [Data & analysis scripts](#)  [Preregistration](#)
- **Tzavella, L.**, Maizey, L., Lawrence, A. D., Chambers, C. D. (2020). The affective priming paradigm as an indirect measure of food attitudes and related choice behaviour. *Psychonomic Bulletin & Review*. DOI: [10.3758/s13423-020-01764-1](https://doi.org/10.3758/s13423-020-01764-1)  [Data & analysis scripts](#)  [Research materials](#)  [Stage 1 RR protocol](#)
- Maizey, L., **Tzavella, L.** (2019). Barriers and solutions for early career researchers in tackling the reproducibility crisis in cognitive neuroscience. *Cortex*. DOI: [10.1016/j.cortex.2018.12.015](https://doi.org/10.1016/j.cortex.2018.12.015)

Blogposts & public engagement

- **Tzavella, L. & Henderson, E.** (31 May 2022). Podcast on open science challenges for early career researchers. Impostor Syndrome Podcast.  [Podcast RSS](#)
- Maizey, L., **Tzavella, L.**, Mehler, D. M. A., Allen, C. (10 Oct 2019). Open Science practices and publish or perish dilemmas. *Nature Human Behaviour*. [URL](#)
- Candice, M. C., **Tzavella, L.** (17 Aug 2018). Going for a Registered Report? *The Mnemonic Lode*. [URL](#)
- Advances in Imaging the Human Brain: the CUBRIC Story, UK (8 Feb 2018) [Event URL](#)
- Cardiff University Brain Games, The National Museum, Cardiff, UK (2015 - 2018) [URL](#)

Selected presentations & invited talks

- 2022** Invited speaker for the **Association for Psychological Science** Annual Convention symposium: "Registered Reports in Psychology - A Panel Discussion" – May 28, Chicago, Illinois, USA
[Event URL](#)  [Recording](#)
- Invited speaker for the **Journal Editors Discussion Interface (JEDI)** workshop – "May the force be with you: Resources to help journal editors advance their fields"
- 2021** Poster presentation for **Psychonomic Society's** 62nd Annual Meeting: "Explicit and Implicit Devaluation Effects of Food-Specific Response Inhibition Training" – Nov 5, Online
[Event URL](#)  [Poster](#)
- Lead for organised session at the **Society for the Improvement of Psychological Science** Annual Meeting: "Improving Registered Reports for authors, reviewers and editors" – Jun 13, Online
[Event URL](#)  [Discussion summary](#)
- 2020** Talk in the Discussion session VI: Frontiers in Meta-Science for the **Open Research Working Group** (ORWG) – Sep 8, Online  [Recording](#)
- 2019** Poster presentation for the **British Drinking and Feeding Group** Annual Meeting: "A novel inhibitory control training paradigm for altering food evaluations and cravings" – Apr 16-17, Swansea, UK
[Event URL](#)  [Poster](#)
- Talk on teaching reproducible science for the **UCL Language & Cognition Seminar Series** "Undergraduate Final Year Consortia Projects" – Mar 13, London, UK  [Slides](#)
- 2018** Talk for the **British Drinking and Feeding Group** Annual Meeting: "The affective priming paradigm in the context of healthy and unhealthy foods" – Apr 12-13, Lyon, France.  [Slides](#)

Memberships

- Society for the Improvement of Psychological Science (SIPS)
- Journal Editors Discussion Interface (JEDI)
- Psychonomic Society
- UK Reproducibility Network (UKRN)

Teaching & Supervision

2020 - Present	Supervisor for PhD student in the areas of open science and metascience, PhD in Psychology, Cardiff University (co-supervising with Chris Chambers)
2021 - 2022	Supervisor for final year UG students, BSc Psychology, Cardiff University Projects run in collaboration Aston University and University of Bath (Consortium)
2020 - 2021	Research Project Tutorials , MSc Psychology (Conversion), Cardiff University Co-supervisor for MSc project on brain stimulation, MSc Neuroimaging, Cardiff University Supervisor for final year UG students, BSc Psychology, Cardiff University (Consortium lead) Registered Report workshops , CUBRIC, Cardiff University
2019 - 2020	Practicals for Second Year students , BSc Psychology, Cardiff University (Module: Emotion & Consciousness – theory, methods & research project)
2016 - 2018	Tutorials on non-invasive brain stimulation , MSc Neuroimaging Methods & Applications, Cardiff University (also included journal clubs on methodology and experimental rigour)
2015 - 2017	Year 1 Postgraduate Tutor (PGT) , BSc Psychology, Cardiff University

Skills & Training

Coding & Software	R/RStudio and development of Shiny apps RMarkdown documents & LaTeX integration HTML & CSS design Programming experiments in Inquisit (Millisecond Software) Statistical analyses in R (primary choice), JASP, jamovi, SPSS Database building and management in Excel / Google Sheets
Data science	Data cleaning, pre-processing and aggregation techniques Linear mixed models in R Bayesian and frequentist statistical tests Data visualisation & exploration
Reviewing	Reviewing regular articles and Registered Reports (where applicable) for journals (e.g., <i>Appetite</i> , <i>Royal Society Open Science</i> - signed reviews , <i>Journal of Cognition</i> , <i>Food Quality and Preference</i> , <i>International Review of Social Psychology</i>)
Courses & Training	Course for an advanced HE fellowship (FHEA) – <i>to be completed in 2023</i> Advanced Methods for Reproducible Science 2020 , Windsor, UK: 6-day course offered by UKRN and funded by the Wellcome Trust (Jan 2020) Summer School on Computational and Mathematical Modelling of Cognition , Dobbiaco, Italy: Lectures, workshops, and individual project (10 - 24 July 2016) Internal training for literature reviews, project management, public engagement, and teaching in the social and economic sciences (Cardiff University, 2015 - 2016)
Service & Internships	English as an Additional Language (EAL) support assistant Radnor Primary School, Cardiff, UK (Apr – July 2018) Market Research Internships (WCVA Explore Internship Programme) at NewLink Wales (best practices for addiction-related charities) and the Horn Development Association (promoting internships for young people in the Somali community) iSolve Researcher - Research and SWOT Analysis for Brain Train project Cardiff University (Nov 2014 – Feb 2015) Volunteer at the Recovery & Rehabilitation Centre for Children Greece (Feb 2008 – Aug 2010)