

Dr. Hannah Little

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🌐 hlittle.com

A science communicator, social scientist and digital rights campaigner with extensive professional experience in research, teaching and public engagement. I specialise in digital communication, public speaking, linguistic and cultural evolution, experimental methods and data analysis.

2018–2019 **Postgraduate Certificate in Academic Practice**, *University of the West of England*.

2012–2017 **PhD**, *Artificial Intelligence Laboratory, Vrije Universiteit Brussel*.

Thesis: It's not all in your Mind: Modality Effects on the Emergence of Combinatorial Structure
Supervisor: Prof. Dr. Bart de Boer

2010–2011 **MSc Evolution of Language and Cognition**, *University of Edinburgh*.

Thesis: "Foreigner Directed Speech: Its role in Cultural Transmission of Language & the resulting effects on Language Typology". Supervisor: Dr. Kenny Smith

2007–2010 **BA English Language and Linguistics**, *University of York*, (First Class Honors).

Thesis: "Morphosyntactic Unification of Case Markers and Postpositions in Hungarian"
Supervisor: Dr. George Tsoulas

Work Experience

Dec 18 – **Senior Lecturer in Science Communication**, *University of the West of England, Bristol*.

I lecture on science communication, focusing on cognitive aspects and digital communication. I lead modules on science, the public and media, science on air and screen and research methods.

Oct 17-Dec 18 **Lecturer in Science Communication**, *University of the West of England, Bristol*.

Oct 17 **Data Annotator**, *The University of Cambridge, Cambridge, UK*.

Helped annotate a learner corpus for the ALTA Institute (short term casual contract)

Sep 16–Sep 17 **PostDoc**, *Max Planck Institute for Psycholinguistics, Nijmegen, NL*.

Project: Iconicity and the Emergence of Combinatorial Structure

Sep 12 **Festival Communications Assistant**, *British Science Festival, Aberdeen, UK*.

I liaised with journalists and speakers, wrote and edited press releases, monitored press generated by the festival. I also helped promote and report on events on social media.

Jan 12–Oct 12 **STEM Outreach Coordinator**, *STEM Outreach, Newcastle College, Newcastle, UK*.

I coordinated the STEM Ambassadors Programme and the Nuffield Research Placements in the region. I also maintained the organisation's blog and social media.

Academic Honours/Board Positions

2019- Board Member. Board of Directors. Open Rights Group.

2019- Fellow of the Higher Education Academy (FHEA)

2018- Supporter Council. Open Rights Group.

2018- Athena Swan Self Assessment Team. Department of Applied Sciences. UWE Bristol.

2018-2019 Associate Fellow of the Higher Education Academy (AFHEA)

2017- Scientific Committee. Evolution of Language (EvoLang) International Conferences

2016- Board Member (PR Officer). International Association of Cognitive Semiotics (IACS)

Teaching (Teaching evaluations available on request)

- 2019- Lecturer. Research with Impact. MSci module.
- 2019- Lecturer. Forensic Science and Society. MSci module.
- 2018- Lecturer. Science, the Public and Media. MSc module.
- 2018- Lecturer. Science in Public Spaces module. MSc module.
- 2018- Lecturer. Science on Air and on Screen module. MSc module.
- 2018- Lecturer. Science Communication module. BSc module.
- 2018 Lecturer. Science and Society. MSc module.
- 2018 Lecturer. Wildlife, Film and Media. BSc module.
- 2017- Lecturer. Writing Science module. MSc module.
- 2017- Lecturer. People and Science module. Foundation level course.
- 2017-2018 Course Tutor. Biomedical Skills. BSc Module.
- 2017 Convener/Lecturer. Minds, Mechanisms and Interaction in the Evolution of Language Summer School. I covered sections on open science, preregistration and data cleaning. MPI for Psycholinguistics, Nijmegen, Netherlands
- 2012–2015 Teaching assistant, Methods of Scientific Research (MSc Course), VUB, Brussels, Belgium

Module Development

- 2020- Research Skills. Online Module of PGDip in Applied Science Communication.

Module Leadership

- 2020- Module Leader. Research Skills. Online Module of PGDip in Applied Science Communication.
- 2019- Module Leader. Science, the Public and the Media. MSc module.
- 2018-2019 Module Leader. People and Science. Foundation level course.
- 2018-2019 Module Leader. Science in Public Spaces module. MSc module.
- 2018- Acting Module Leader. Science on Air and on Screen module. MSc module.

Supervision

- 2019 5 Bachelors Dissertation Projects, 3 MSc Dissertation Projects
- 2018 6 Bachelors Dissertation Projects, 5 MSc Dissertation Projects

Grants and Bursaries

- 2019 SCU Seed Research Funding. "Combating Science Denial on Twitter: Effective Rhetoric and Analogy". UWE Bristol.
- 2017 Royal Institution Grant to Evaluate the Christmas Lectures
- 2017 Cultural Evolution Society Conference Travel Grant.
- 2017 Data on the Mind Workshop. Berkeley, University of California. Funded Participant.
- 2016–2017 Max Planck Institute Visitorship Grant
- 2012–2016 European Research Council, PhD studentship as part of the ABACUS project
- 2015 VUB Doctoral School, NSE Travel Grant €750
- 2012 British Interactive Group, Bursary to attend the BIG Annual Training Conference
- 2012 Edinburgh Beltane, Bursary to attend the Science Communication Conference

Conference Organisation

- 2019 **International Symposium on Iconicity in Language and Literature 2019**, Lund, Sweden (Scientific Committee)
- 2018 **Modality Matters** Workshop (EvoLang 2018), with Ashley Micklos
- 2017 **Minds, Mechanisms and Interaction in the Evolution of Language** Workshop, Max Planck Institute for Psycholinguistics (2017)
- 2017 **Advancing Behavioural and Cognitive Understanding of Speech** workshop, Max Planck Institute for Psycholinguistics (2017)
- 2016 **The Evolution of Speech** workshop, EvoLangXI (2016)
- 2015 **The Evolution of phonetic capabilities: causes, constraints and consequences**, Satellite Meeting at the International Congress of Phonetic Sciences (2105)

Reviewing and Editing

Reviewing

- Journals** Media and Communication, Social Media and Society, Language Dynamics and Change, PLOS ONE, The Journal of Science Communication (JCOM), The Journal of Language Evolution, Language and Cognition, Interaction Studies, Cognitive Science, Literary and Linguistics Computing
- Conferences** IACS4, EvoLangXIII, CogSci2019, ILL-12, IACS3, CogSci2018, EvoLangXII, CogSci2017, CogSci2016 (Program committee), EvoLangXI, CogSci2015, EvoLangX
- Books** Routledge, Springer Briefs in Linguistics, CABI
- Funding** National Science Foundation (USA)
- Editing** Guest Editor, Journal of Language Evolution, Special Issue: Evolution of Sound Systems

Digital Skills

- Programming** R, python (including PsychoPy), jsPsych, E-Prime, praat, latex
- Web Literacy** html5, javascript, Wordpress, Social Media
- Websites** iacs.dk, bristoltransformed.org, scixsouthwest.co.uk, hlittle.com

Invited Talks

- 2020 **Little, Hannah**. "Language Evolution: The Hardest Problem in Public Engagement" *EvoLang13*. Brussels. Belgium.
- 2019 **Little, Hannah**. "Modality, Iconity and The Evolution of Language" Bristol Centre for Linguistics Seminar Series. UWE Bristol, UK.
- 2017 Perlman, Marcus, **Hannah Little** and Robin L. Thompson. "Modality driven encoding of iconicity in signed and spoken vocabulary: A Comparison between British Sign Language and English" *Types of iconicity in language use, development and processing*. MPI, Nijmegen, the Netherlands.
- 2016 **Little, Hannah**. "It's not all in your Mind": Modality Effects on the Emergence of Combinatorial Structure" Invited Colloquium - Diversity in Language, Culture and Cognition. 8 December 2016. Max Plank Institute for Psycholinguistics. Nijmegen, The Netherlands
- 2015 **Little, Hannah**. "Extherements: An experimental investigation into signal space topology and the emergence of structure." Invited talk. The Language Evolution and Computation Unit. 17 March 2015. The University of Edinburgh, UK.

Publications

Journal Papers

- accepted Roberts, Seán G., ..., **Hannah Little**, ..., et al. CHIELD: The Causal Hypotheses in Evolutionary Linguistics Database. *The Journal of Language Evolution*
- 2019 **Little, Hannah** Communicating Science: Lessons from a Twitterstorm. *JCOM: Journal of Science Communication* 18 (04), L01. doi: 10.22323/2.18040101
- 2019 Motamedi, Yasamin, **Hannah Little**, Alan Nielsen and Justin Sulik. The Iconicity Toolbox: Empirical Approaches to Measuring Iconicity. *Language and Cognition*. doi: 10.1017/langcog.2019.14
- 2018 Perlman, Marcus, **Hannah Little**, Bill Thompson and Robin L. Thompson. Iconicity in Signed and Spoken Vocabulary: A Comparison between American Sign Language, British Sign Language, English, and Spanish. *Frontiers in Psychology* 9 (1433). Research topic: Visual Language. doi: 10.3389/fpsyg.2018.01433
- 2017 **Little, Hannah**, Heikki Rasilo, Sabine van der Ham and Kerem Eryilmaz. Empirical approaches for investigating the origins of structure in speech. *Interaction Studies* 18(3). 332 – 354. doi: 10.1075/is.18.3.03lit
- 2017 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. Conventionalisation and Discrimination as Competing Pressures on Continuous Speech-like Signals. *Interaction Studies* 18(3). 355 – 378. doi: 10.1075/is.18.3.04lit
- 2017 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. Signal dimensionality and the emergence of structure. *Cognition* 168 1-15. doi: 10.1016/j.cognition.2017.06.011
- 2017 **Little, Hannah**. Introduction to the Special Issue on the Emergence of Sound Systems. *The Journal of Language Evolution* 2(1) 1-3. doi: 10.1093/jole/lzx014
- 2016 Eryilmaz, Kerem and **Hannah Little**. Using Leap Motion to investigate the emergence of structure in speech and language. *Behavior Research Methods* 49(5) 1748–1768. doi:10.3758/s13428-016-0818-x

Journal Papers submitted or near submission

- submitted Wilkinson, Clare and **Hannah Little** "We had to be very clear that they weren't going to try to break into any of the cases": What potential do 'Escape Rooms' offer as a science communication technique?"
- in revision **Little, Hannah**, Jack Wilson, Kerem Eryilmaz and Bart de Boer. "Structure as a product of restricted signal–meaning mapping."
- invited Wilson, Jack, J. and **Hannah Little** "A Neo-Peircean Framework for Experimental Semiotics." Target Journal: *Zeitschrift für Semiotik*, special issue on Cognitive Semiotics
- in prep Sardo, Margarida, **Hannah Little** and Laura Fogg-Rogers. "The Christmas Lectures in a Changing Media Landscape"
- in prep **Little, Hannah**. "I'm a Science, Get me out of Here: Digital Science Communication Training through practice and reflection."

Reports

- 2019 Sardo, Margarida, **Hannah Little**, & Laura Fogg-Rogers. Evaluation of the Royal Institution Christmas Lectures – Final Report. *Science Communication Unit, University of the West of England, Bristol*

Edited Volumes

- 2018 Cuskley, Christine, Molly Flaherty, **Hannah Little**, Luke McCrohon, Andrea Ravignani & Tessa Verhoef (Eds.). The Evolution of Language: Proceedings of the 12th International Conference.
- 2017 **Little, Hannah** (Ed.). Special Issue on the Emergence of Sound Systems [Special Issue]. *The Journal of Language Evolution*, 2(1).
- 2015 **Little, Hannah**. Evolution of Phonetic Capabilities: Causes, Constraints and Consequences. *ICPhS Satellite Event*. Glasgow, UK.

Book Reviews

- 2016 **Little, Hannah**. Review of Ljiljana Progovac: Evolutionary Syntax. Oxford: Oxford University Press, 2015. *Linguist List* 27(3298)
- 2014 **Little, Hannah**. Review of Denis Bouchard: The Nature and Origin of Language. Oxford: Oxford University Press, 2013. *Linguist List* 25(4460)

Conference Proceedings

- 2020 **Little, Hannah** and Clare Wilkinson. "Is it time to escape? Examining 'Escape Rooms' as science communication interventions". *Public Communication of Science and Technology 2020*. Aberdeen, UK
- 2020 Sardo, Margarida, **Hannah Little**, & Laura Fogg-Rogers. "Transforming tradition: evaluating the iconic Christmas Lectures series". *Public Communication of Science and Technology 2020*. Aberdeen, UK
- 2019 **Little, Hannah** and Emma Weitkamp. "The rise of Science Comedy: Comparing shows at science and arts festivals". *12th Forum Wissenschaftskommunikation 2019*. Essen, Germany.
- 2018 **Little, Hannah** "Modality effects on the emergence of structure in communication" *Third Conference of the International Association for Cognitive Semiotics*. (pp. 79) Toronto, Canada
- 2018 Perlman, Marcus, **Hannah Little** and Robin L. Thompson. "Comparing Iconicity in Signed and Spoken Vocabulary" *Third Conference of the International Association for Cognitive Semiotics*. (pp. 93) Toronto, Canada
- 2018 Perlman, Marcus, **Hannah Little** and Robin L. Thompson. "Modality differences in Iconicity: An empirical comparison of signed and spoken vocabularies" *Modality Matters. Workshop at the 12th international conference for the Evolution of Language (EvoLangXII)*. (pp. 6–11) Toruń, Poland.
- 2018 **Little, Hannah** and Ashley Micklos. "Modality Matters: an Introduction" *Modality Matters. Workshop at the 12th international conference for the Evolution of Language (EvoLangXII)*. (pp. 1–5) Toruń, Poland.
- 2018 Roberts, Seán G., Ashley Micklos, Justin Sulik and **Hannah Little**. "The role of interaction in language evolution." *The Evolution of Language: Proceedings of the 12th international conference (EvoLangXII)*. Toruń, Poland.

- 2018 **Little, Hannah** and Justin Sulik. "What do iconicity judgements really mean?" *The Evolution of Language: Proceedings of the 12th international conference (EvoLangXII)*. Toruń, Poland.
- 2017 Sulik, Justin, Ashley Micklos and **Hannah Little**. "Interaction drives the evolution of informative signals theme session" *Proceedings of the Inaugural Cultural Evolution Society Conference*. Jena, Germany.
- 2017 **Little, Hannah**. "Interaction, Perspective Taking and the Emergence of Transparency" *Proceedings of the Inaugural Cultural Evolution Society Conference*. Jena, Germany.
- 2017 **Little, Hannah**, Marcus Perlman and Kerem Eryilmaz. "Repeated Interactions Can Lead to More Iconic Signals" In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.) *Proceedings of the 39th Annual Conference of the Cognitive Science Society*. (pp. 760–766) Austin, TX: Cognitive Science Society
- 2017 **Little, Hannah** and Marcus Perlman. "The transition from iconic signals to arbitrary signs depends on modality" In: *Proceedings of the 11th International Symposium on Iconicity in Language and Literature*. pp.37-39. Brighton, UK.
- 2017 **Little, Hannah**. "Causes for the inverse relationship between iconicity and phonological structure " In: *Proceedings of the 11th International Symposium on Iconicity in Language and Literature*. pp. 117-119. Brighton, UK.
- 2017 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "Conventionalisation and Discrimination as Competing Pressures on Continuous Speech-like Signals." *Proceedings for CogLing7*. (pp. 38–39) Nijmegen, NL.
- 2016 **Little, Hannah** and Bart de Boer. "Did the pressure for discrimination trigger the emergence of combinatorial structure?" In: *Proceedings of the Second Conference of the International Association for Cognitive Semiotics*. (pp. 109–110) Lublin, Poland.
- 2016 Wilson, Jack J. and **Hannah Little**. "A Neo-Peircean Framework for Experimental Semiotics." In: *Proceedings of the Second Conference of the International Association for Cognitive Semiotics*. (pp. 171–173) Lublin, Poland.
- 2016 **Little, Hannah**. "Nahran Bhannamz: Language Evolution in an Online Zombie Apocalypse Game." In: *Createvolang: creativity and innovation in language evolution*. New Orleans, USA.
- 2016 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "Differing signal–meaning dimensionalities facilitates the emergence of structure." In S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher & T. Verhoef (eds.) *The Evolution of Language: Proceedings of the 11th international conference (EvoLangXI)*. (pp. 182–190) New Orleans, USA.
- 2016 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "Emergence of Signal Structure: Effects of Duration Constraints." In S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher & T. Verhoef (eds.) *The Evolution of Language: Proceedings of the 11th international conference (EvoLangXI)*. (pp. 468–470) New Orleans, USA.
- 2016 Eryilmaz, Kerem, **Hannah Little** and Bart de Boer. "Using HMMs to Attribute Structure to Artificial Languages." In S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher & T. Verhoef (eds.) *The Evolution of Language: Proceedings of the 11th international conference (EvoLangXI)*. (pp. 407–410) New Orleans, USA.
- 2015 **Little, Hannah** "Introduction to the evolution of phonetic capabilities satellite meeting." In: Hannah Little, ed., *The proceedings of Evolution of Phonetic Capabilities: Causes, Constraints and Consequences*. pp 1. Glasgow, UK.
- 2015 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "A new artificial signal-space proxy for investigating the emergence of structure and categories in speech." In *The Scottish Consortium for ICPhS 2015 (Ed.), Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow. ISBN 978–0–85261–941–4. Paper 31.

- 2015 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "Linguistic Modality Affects the Creation of Structure and Iconicity in Signals." In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1392–1398). Austin, TX: Cognitive Science Society.
- 2014 **Little, Hannah** and Catriona Silvey "Interpreting emerging structures: the interdependence of combinatoriality and compositionality". In *First Conference of the International Association for Cognitive Semiotics (IACS 2014)*. pp 113–114. Lund, Sweden.
- 2014 **Little, Hannah** and Bart de Boer. "The effect of size of articulation space on the emergence of combinatorial structure". In: Erica A. Cartmill, Seán G. Roberts, Heidi Lyn and Hannah Cornish, ed., *The Evolution of Language: Proceedings of the 10th international conference (EvoLangX)*. pp. 479–481. Vienna, Austria.
- 2014 **Little, Hannah** and Kerem Eryilmaz "The effect of physical articulation constraints on the emergence of combinatorial structure". In: Bart de Boer and Tessa Verhoef, ed., *The EvoLangX Workshop on Evolution of Signals, Speech and Signs*. pp.11–17. Vienna, Austria.
- 2014 Littauer, Richard, Seán G. Roberts, James Winters, Rachael Bailes, Michael Pleyer and **Hannah Little**. "From the Savannah to the Cloud: Blogging Evolutionary Linguistics research". In: Luke McCrohon, Bill Thompson, Tessa Verhoef and Hajime Yamauchi, ed., *The Past, Present and Future of Language Evolution Research. Student Volume of the 9th International Conference on the Evolution of Language*. pp 121–133. Tokyo, Japan.
- 2013 Wilson, Jack, J. and **Hannah Little**. "Emerging languages in Esoteric and Exoteric Niches: evidence from Rural Sign Languages". In: *Ways to Protolanguage 3 book of abstracts*. pp. 54–55. Wroclaw, Poland.
- 2012 Littauer, Richard, James Winters, Seán G. Roberts, **Hannah Little**, Michael Pleyer and Bill Benzon. "Academic Research in the Blogosphere: Adapting to new opportunities and risks on the internet". In: Jan Christoph Meister, ed., *Digital Humanities 2012 Conference Abstracts*, pp. 268–269. Hamburg: Hamburg University Press.
- 2012 **Little, Hannah** "The Role of Foreigner-Directed Speech in Language Evolution". *European Human Behaviour and Evolution Association Annual Meeting 2012 Poster Abstracts*. pp. 7. Durham, UK.

Conference Presentations without Proceedings

- 2019 **Little, Hannah** and Clare Wilkinson. "The Great Escape: Exploring 'Escape Rooms' as science communication interventions" *Science in Public*. Manchester, UK.
- 2017 **Little, Hannah**. "Biases born from modality affect the emergence of linguistic structure" *Minds, Mechanisms and Iteration in the Evolution of Language*. MPI, Nijmegen, the Netherlands.
- 2016 **Little, Hannah**, Kerem Eryilmaz and Bart de Boer. "The effects of Communication on Iconicity in Continuous Speech-like Signals." *Psycholinguistics in Flanders*. Antwerp, Belgium.
- 2015 van der Ham, Sabine, **Hannah Little**, Kerem Eryilmaz and Bart de Boer. "Experimental Evidence on the Emergence of Phonological Structure." In: The proceedings of The 13th International Cognitive Linguistics Conference (ICLC-13). Newcastle, UK.
- 2014 **Little, Hannah**. "Experiments in the Emergence of Combinatorial Structure: Considering the Limitations of Articulation Space Proxies". Poster presentation. Nijmegen Lectures. 28 January 2014. Nijmegen, Netherlands.

Public Engagement

Public Engagement Roles (See also Work Experience)

2018- Public Engagement Coordinator – Department of Applied Sciences, UWE Bristol

Public Engagement Research

2018-2019 The Great Escape. Investigating the impact of 'escape rooms' as science communication.

2018- SciRoc. EU Horizon project. Investigating public perceptions of robotics and A.I. at Smart City Robot Competitions.

Public Engagement Evaluation

2019- "I'm a Scientist get me out of here". Facilitating and evaluating public engagement training.

2018-2019 Royal Institution Christmas Lectures Evaluation.

Public Engagement Articles (Full list including University Media and Blogging available on request)

2019 **Little, Hannah**. "Text Machina" Feature Article in Babel: The Language Magazine 2019, Issue 26. Page 38-40.

2018 **Little, Hannah**. "Linguistic X-Men" Feature Article in Babel: The Language Magazine 2018, Issue 25. Page 34-35.

2018 **Little, Hannah**. "The Talking Dead" Feature Article in Babel: The Language Magazine 2018, Issue 24. Page 32-34.

2018 **Little, Hannah**. "Babel on 5" Feature Article in Babel: The Language Magazine 2018, Issue 23. Page 42-44.

2016 **Little, Hannah**. "How reliably can we measure the relatedness of two languages?" Ask a Linguist Feature. Babel: The Language Magazine 2016, Issue 16. Page 35.

2015 **Little, Hannah**. "The Combinatorial Structure of Language, Music, Life and Everything". Cover Feature. Babel: The Language Magazine 2015, Issue 13. Pages 14–17.

2011 – 2012 Various Copy in EuSci: Student Science Magazine of the University of Edinburgh.

Media Work

2019 Stranger than Sci Fi. Series 1, Episode 3. Talking Plants. BBC Radio 4.

2018 – Love and Science (BCFM). Presenter every first Monday of the month.

2012 Science explainer on Mr. Bloom's Nursery Roadshow, Ready, Set, Grow! BBC Cbeebies.

Public Engagement Speaking

2020 TEDx Newcastle College

2019 Research Revolution Hootenanny. Bristol, UK.

2019 A.I.: Fact vs Fiction. Milton Keynes, UK.

2019 Science Cafe. Sherborne, UK.

2019 Devizes Arts Festival. Devizes, UK.

2019 Bristol Know Show. Bristol, UK.

2018 Cafe Scientifique. Salisbury, UK.

2018 British Science Festival. Hull, UK.

- 2018 British Science Association: Science Cafe. Bristol, UK.
- 2017 "Where do words come from?" Radboud Talks, Nijmegen, the Netherlands.
- 2016 "Tweets and Waggles." Stand-up Comedy. Brussels Bright Club, Belgium.
- 2015 "Animal Communication." Let's talk Science Stand-up science show, Leuven, Belgium.
- 2012 "The evolution of language: culture or cognition?" Newcastle Skeptics in the Pub.
- 2012 "The Public Misunderstanding of Linguistics." Stand-up Comedy. Newcastle Bright Club.

Other Public Engagement Events

- 2019 Big Bang Fair Weston
- 2019 Facilitator: Extraordinary Women in Engineering: a WES Wikithon.
- 2019 Judge for Forensic Sciences Congress. Cambridge.
- 2019 UKRI EPSRC Artificial Intelligence and Public engagement workshop.
- 2018 Organiser - Ada Lovelace Day Wiki edit-a-thon. UWE Bristol.
- 2018 Panellist for "Agony Auncles of Science". Crofters Rights, Bristol
- 2017 Judge for the "3 minute wonder" competition. Institute of Physics, Bristol University.
- 2017 Christmas lecture zone. I'm a Scientist get me out of here, Wellcome Trust, London
- 2014 Greenlight for Girls (Kodu coding workshop), Brussels, Belgium
- 2013 I'm a Scientist get me out of here, Wellcome Trust, London
- 2012 Greenlight for Girls (Blockly coding workshop), Brussels, Belgium
- 2012 Newcastle Science Festival Roadshow
- 2011–present STEM (Science, Technology, Engineering and Maths) Ambassador, STEMNET
- 2011–2012 Member of the NE Science alliance
- 2011–2012 Member of the Newcastle Branch of the British Science Association

Continuing Professional Development in Public Engagement

- 2017 Storytelling training (Radboud Talks, Nijmegen), Let's talk Science (Science Communication Summer School, Leuven)
- 2013 Effective Science Communication Course (Principae, Brussels)
- 2012 Science Communication Conference 2012
- 2012 British Interactive Group (BIG) Event 2012, "Engaging Hard to Reach Users" Workshop (National Centre for Research Methods, Northumbria University)
- 2012 Twilight CPD Course for STEM Club leaders (STEM Clubs Network)
- 2011 Science Communication Training Workshop, Icebreakers & Games (The Training Group, Graphic Science)
- 2011 Science Communication Conference 2011
- 2010 EUSci Popular Science Editing Workshop (University of Edinburgh)

Delivering Continuing Professional Development in Public Engagement

- 2019 "The Psychology of Science Communication". UWE SciComm Masterclass. Bristol, UK
- 2018 "Adapting to Audiences". UWE SciComm Masterclass. Bristol, UK
- ongoing "Science Communication Building Blocks" CPD. I deliver sessions on: Inclusively in science communication, Using social media to communicate, How to run a social media campaign for event promotion science.

Digital Rights Education and Political Training

Digital Rights Organising

- 2019 Event Organiser. Data Rights, Workers Rights and the Gig Economy. Bristol, UK.
- 2019 Volunteer. ORGCon. London, UK
- 2019 Workshop Convener (on behalf of the Open Rights Group) "Surveillance Capitalism". Bristol, UK
- 2018 Speaker (on behalf of the Open Rights Group) "Online surveillance and us, why digital freedom matters". Bristol, UK
- 2018 Volunteer. Mozilla Festival (MozFest).
- 2018 Organiser (on behalf of the Open Rights Group) "Drafting letter to the PCC about the legal basis of Celebrite". Bristol, UK
- 2018 Panelist for the Royal Institution's "Unconference" on Digital Privacy. Ri, London.
- 2018-present Local Coordinator (Bristol). Open Rights Group.

Delivering Political Training

- 2019 Speaker. Labour's National Digital Campaign Launch. Bristol.
- 2019 Public Speaking for Councillor candidates. Bristol Labour Campaign Forum.
- 2019 Public Speaking Workshop. Bristol Transformed.
- 2018 Persuasive Conversations. South Gloucestershire.
- 2018 Speaking out workshop. TUC (Trades Union Congress) South West Women's committee networking event.
- 2018 Public Speaking for women in politics. 3 part course. Funded by Momentum (the Labour Party).