

James Brand

New Zealand Institute for Language, Brain and Behaviour
University of Canterbury, New Zealand

james.brand@canterbury.ac.nz
<https://jamesbrandscience.github.io>

Research Focus

How do cognitive biases shape our language? My research focuses on the different ways that human language has been shaped by the brain. My approach to raising and answering research questions on this topic is highly multidisciplinary, with the aim being to reach a synthesis between experimental psychology, corpus linguistics and computational cognition. In doing so, I hope to progress our empirical and theoretical understanding of questions concerning how languages are learnt, processed and subsequently evolve.

Academic Appointments

OCT, 2018 - Present	Post-doctoral Research Fellow (Marsden Fund) <i>University of Canterbury</i> PIs: Dr. Kevin Watson, Prof. Jen Hay & Dr. Lynn Clark Project: Towards an improved theory of language change: understanding the covariation of linguistic variables within and across speakers
JUNE, 2017 - SEPT 2018	Post-doctoral Research Associate (Leverhulme Trust) <i>Lancaster University</i> PIs: Dr. Dermot Lynott & Prof. Louise Connell Project: Emergent categorical structure in the human conceptual system
FEB, 2017 - JUNE, 2017	Research Assistant <i>Lancaster University</i> PI: Dr. Michelle To Project: Influence of anxiety on body perception for underweight and overweight individuals
DEC, 2016 - JUNE, 2017	Research Assistant (ESRC) <i>Lancaster University</i> PI: Prof. Padraic Monaghan Project: Investigating the role of multiple cues in word learning

Education

Enrolled, 2020	Certificate of Proficiency in Te Reo Māori (TREO110) Univeristy of Canterbury
JUNE, 2017	Ph.D. Psychology Lancaster University Title: <i>The Role of Cognitive Factors on the Development and Evolution of the Vocabulary</i> Supervisors: Prof. Padraic Monaghan & Dr. Peter Walker
NOV, 2012	M.Sc. Evolution of Language and Cognition University of Edinburgh
JUNE, 2010	B.A. English Language Sheffield Hallam University
MARCH, 2010	CertTESOL (Certificate in Teaching English to Speakers of Other Languages) Trinity College London

Publications

Brand, J., Hay, J., Clark, L., Watson, K., & Sóskuthy, M. (to be submitted, Feb 2020). At the margins of vowel-space change: Leaders and laggards in the evolution of vocalic subsystems. *Journal of Phonetics*.

Brand, J., Hay, J., Clark, L., Watson, K., & Sóskuthy, M. (2019). Systematic covariation of monophthongs across speakers of New Zealand English. In Calhoun, S., Escudero, P., Tabain, M., & Warren, P. (eds.) *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019* (pp. 1878-1881).
<https://tinyurl.com/brandetal2019>

Sóskuthy, M., Hay, J., & **Brand, J.** (2019). Horizontal diphthong shift in New Zealand English. In Calhoun, S., Escudero, P., Tabain, M., & Warren, P. (eds.) *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019* (pp. 597-601). <https://tinyurl.com/soskuthyetal2019> award winning
 Repository: <https://osf.io/74mza>

Lynott, D., Connell, L., Brysbaert, M., **Brand, J.**, & Carney, J. (2019). The Lancaster Sensorimotor Norms: multidimensional measures of perceptual and action strength for 40,000 English words. *Behavior Research Methods*, 1-21.
<https://tinyurl.com/lynottetal2019>
 Repository: <https://osf.io/7emr6/>

Brand, J., Monaghan, P., & Walker, P. (2018). Changing signs: Testing how sound-symbolism supports early word learning. *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 1396-1401).
<https://tinyurl.com/brandetal2018>

Brand, J., Monaghan, P., & Walker, P. (2017). The changing role of form-to-meaning mappings for the growing vocabulary. *Cognitive Science*. doi:10.1111/cogs.12565. <https://tinyurl.com/brandetal2017>
 Repository: <https://tinyurl.com/brandetal2017repo>

Monaghan, P., **Brand, J.**, Frost, R.L.A., & Taylor, G. (2017). Multiple, noisy cues for word learning results in robust, generalisable learning. *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 817-822).
<https://tinyurl.com/monghanetal2017>

Talks & Presentations

Brand, J., Hay, J., Clark, L., Watson, K., & Sóskuthy, M. (2020). At the margins of vowel-space change: Leaders and laggards in the evolution of vocalic subsystems. *Talk to be presented at the 17th biennial conference of the Association for Laboratory Phonology*, Vancouver, CA. 5% acceptance rate

CCC [Gnevsheva, K., Grama, J., Diskin, C., Hay, J., Foulkes, P., Drager, K., Travis, C., Gonzalez, S., Loakes, D., Sheard, E., Docherty, G., & **Brand, J.**] (2020). Sound change in word classes and individual words in Australian and New Zealand English. *Paper to be presented at the Colloquium of the British Association of Academic Phoneticians (BAAP)*, York, UK.

CCC [Grama, J., Gnevsheva, K., Hay, J., **Brand, J.**, Gonzalez, S., Loakes, D., Docherty, G., Sheard, E., Foulkes, P., Diskin, C., Drager, K. & Travis, C.] (2019) Just a word: Sound change at the level of the word across dialects. *Talk presented at the Australian Linguistic Society conference*, Sydney, AU.

CCC [Diskin, C., Hay, J., Drager, K., Foulkes, P., Gnevsheva, K., Grama, J. **Brand, J.**, Travis, C., Loakes, D., Docherty, G., Walker, J. Sheard, E. & Gonzalez, S.] (2019) The emergence of the discourse-pragmatic marker 'just': linking

changes in usage to changes in pronunciation. *Talk presented at the Linguistic Society of New Zealand conference, Christchurch NZ.*

CCC [Gnevsheva, K., Grama, J., Hay, J., Drager, K., Foulkes, P., **Brand, J.**, Gonzalez, S., Travis, C., Sheard, E., Loakes, D., Docherty, G., & Diskin, C.] (2019). Just a word: Lexeme-specific sound changes. *Talk presented at the Linguistic Society of New Zealand conference, Christchurch NZ.*

Sóskuthy, M., Hay, J., & **Brand, J.** (2019). Horizontal diphthong shift in New Zealand English. *Talk presented at the 40th International Congress of the Phonetic Sciences, Melbourne AU.* <https://osf.io/nhsek/> **award winning**

Brand, J., Hay, J., Clark, L., Watson, K., & Sóskuthy, M. (2019). Systematic covariation of monophthongs across speakers of New Zealand English. *Talk presented at the 40th International Congress of the Phonetic Sciences, Melbourne AU.* <https://tinyurl.com/brandetalICPhS>

Brand, J. (2018). Predicting the age of acquisition of concepts from sensorimotor experience. *Talk presented at the 4th Language and Communicative Development Conference (LuCiD), Manchester UK.* <https://tinyurl.com/brandLuCiD> **award winning**

Brand, J., & Monaghan, P. (2018). Experimental diachronics: Predictors of lexical stability and change in language evolution. *Talk presented at the 12th Summer School of Linguistics, Kroměříž CZ* <https://tinyurl.com/brandSSoL>

Brand, J., Monaghan, P., & Walker, P. (2018). Changing signs: Testing how sound-symbolism supports early word learning. *Poster presented at the 40th Annual Conference of the Cognitive Science Society, Madison US.*

Monaghan, P., **Brand, J.**, Frost, R.L.A., & Taylor, G. (2017). Multiple, noisy cues for word learning results in robust, generalisable learning. *Talk presented at the 39th Annual Conference of the Cognitive Science Society, London UK.*

Ph.D. Thesis

Brand, J., (2017). The Role of Cognitive Factors on the Development and Evolution of the Vocabulary. *Doctoral dissertation, Lancaster University.* <https://tinyurl.com/brandPhD>

Tutorials and Online Resources

Interactive web app for exploring Lancaster Sensorimotor Norms

<https://tinyurl.com/SMnorms>

Vowel plot animations

<https://tinyurl.com/vowelanimation>

Introduction to open science practices

<https://tinyurl.com/opensciprac>

GitHub for beginners

<https://tinyurl.com/githubbegin>

Data exploration and visualisation in R

<https://tinyurl.com/datavisR>

Artificial language learning and PsychoPy

<https://tinyurl.com/artificallang>

Student Supervision

2020 - present	Jacq Jones (<i>Associate supervisor</i>) <i>Mixed Signals: Language Use and Nonbinary Gender Identities</i> Ph.D. candidate (Linguistics, University of Canterbury)
----------------	--

Reviewing Service

Journals	Conference proceedings
Journal of Memory and Language	Cognitive Science Society
Behaviour Research Methods	Embodied and Situated Language Processing
PLoS ONE	Laboratory Phonology
Cognitive Development	Evolution of Language

Honours and Awards

2019	International Congress of the Phonetic Sciences Best Early Career Researcher paper
2018	Language and Communicative Development Conference (LuCiD) Best Early Career Researcher paper
2016	Experimental Psychology Society Grindley Grant for International Conference Attendance: £500
2015	Experimental Psychology Society Grindley Grant for UK Conference Attendance: £500
2013 - 2016	Lancaster University Departmental Studentship: £14,000 annual stipend with fee waiver

Teaching

2020	Ling310: Linguistic Research and New Zealand English Lecturer and Tutor (Linguistics, University of Canterbury)
2018	12th Summer School of Linguistics Invited Lecturer (Kroměříž CZ)
2016 - 2017	Personal Statistics Tutor Undergraduate Psychology Statistics
2015; 2016	M.Sc. Analysing and Interpreting Psychological Data Teaching Assistant (Psychology, Lancaster University)
2015; 2016	2nd Year Undergraduate Statistics Teaching Assistant (Psychology, Lancaster University)
2015	2nd Year Understanding Neuropsychology Guest Lecturer (Psychology, Lancaster University)
2015	2nd Year Undergraduate Statistics Surgery Tutor (Psychology, Lancaster University)
2014; 2016	2nd Year Undergraduate Cognitive Psychology Seminar Tutor (Psychology, Lancaster University)
2014	1st Year Undergraduate Statistics Surgery Tutor (Psychology, Lancaster University)
2013; 2014	1st Year Undergraduate Psychological Approaches Teaching Assistant (Psychology, Lancaster University)

Organised Workshops

2020	Word-specific phenomena in the realization of vowel categories: Methodological and theoretical perspectives https://tinyurl.com/labphon2020CCC LabPhon 17 Satellite Workshop, Vancouver CA
2019	Open Science Practices for Linguists https://tinyurl.com/NZLSworkshop New Zealand Linguistics Society, University of Canterbury NZ
2019	Data Visualisation with R https://tinyurl.com/data-vis Language Data Analysis Summer School, University of Canterbury NZ
2018	Artificial Language Learning and PsychoPy https://tinyurl.com/artificallang Summer School of Linguistics, Kroměříž CZ
2017	Using Amazon's Mechanical Turk for Data Collection https://tinyurl.com/AMTurk New Tricks, Lancaster University UK

Professional Activities

2019 - <i>present</i>	NZILBB seminar series Organiser
2019	New Zealand Linguistics Society conference (NZLS) Programme Committee Member
2018	Embodied and Situated Language Processing conference (ESLP) Programme Committee Member
2018	em.path (AHRC and University of the West of England) Round Table Member
2017	23rd Architectures and Mechanisms of Language Processing conference (AMLaP) Conference Committee Member
2016	5th Implicit Learning Seminar Conference Committee Member
2014 - 2016	ESRC International Centre for Language and Communicative Development Knowledge Exchange and Training Committee
2014 - 2015	Internal Seminar Series Organiser Department of Psychology, Lancaster University

Science Communication and Outreach

MAY, 2015; 2016	Presenter at LuCiD and Lancaster BabyLab Campus in the City Lancaster, UK
NOV, 2015	Presenter at 'Kids say the funniest things' at the ESRC Festival of Social Sciences Manchester Museum, UK
JULY, 2015	Supervisor for South Lakes Federation Poster competition Lancaster University
JUNE, 2013; 2014	Presenter at Lancaster University UCAS (Universities and Colleges Admissions Service) open day Lancaster University

Computing Proficiency

Highly proficient in R	Highly proficient in programming in E-Prime
Highly proficient in SPSS	Highly Proficient in programming in PsychoPy
Highly proficient in Shiny	Highly Proficient in programming in OpenSesame
Highly proficient in Audacity	Highly proficient in using Qualtrics
Highly proficient in LaTeX	Highly proficient in Microsoft Office applications
Familiar with Python	Familiar with Praat
Familiar with jsPsych	Familiar with psiTurk

Affiliations

New Zealand Institute for Language, Brain and Behaviour (NZILBB)
 Canberra Corpus Collective
 PrOSPr (Promoting Open Science Practices)
 Embodied Cognition Lab
 ESRC International Centre for Language and Communicative Development (LuCiD)
 Language and Communication Lab
 Cognitive Science Society

References

Prof. Jen Hay
 NZILBB
 Univeristy of Canterbury
 Christchurch
 8140
 NZ

jen.hay@cantebury.ac.nz

Dr. Dermot Lynott
 Department of Psychology
 Lancaster University
 Lancaster
 LA1 4YF
 UK

d.lynott@lancaster.ac.uk

Prof. Padraic Monaghan
 Department of Psychology
 Lancaster University
 Lancaster
 LA1 4YF
 UK

p.monaghan@lancaster.ac.uk