



# Neil Robert Bramley

## Curriculum Vitae

### Academic experience

- 2019–present **Lecturer in Cognitive Psychology (Assistant Professor equiv.)**, *Department of Psychology, School of Philosophy, Psychology and Language Sciences, University of Edinburgh, Scotland.*
- 2017–2018 **Moore-Sloan Postdoctoral Associate**, *Psychology Department & Center for Data Science, New York University, New York, NY, USA.*
- 2015 **Visiting Researcher**, *CoCoSci Lab, Department of Psychology, University of California, Berkeley, USA.*
- 2011–2012 **Research Assistant**, *Biological and Experimental Psychology, Queen Mary, University of London, England.*

### Education

- 2013–2017 **PhD, Experimental Psychology**, *UCL, London.*  
Title: Constructing the world: Active causal learning in cognition  
Supervisors: Prof David Lagnado & Prof Peter Dayan  
*Winner 2017 BPS Award for Outstanding Doctoral Research*
- 2012–2013 **MRes, Computer Science**, *UCL, London.*
- 2010–2011 **MSc, Cognitive & Decision Sciences**, *UCL, London.*
- 2005–2009 **MA (Hons), Philosophy**, *University of Glasgow, Glasgow.*

### Publications

### Supervision

- PhD Bonan Zhao (primary supervisor, expected 2023)
- Supervision Jan-Philipp Franken (primary supervisor, expected 2023)
- Tianwei Gong (primary supervisor, expected 2024)
- Stephanie Droop (primary supervisor, expected 2025)
- Simon Valentin (secondary supervisor, expected 2023)
- Ella Markham (secondary supervisor, expected 2026)
- Susanne Haridi (advisory panel, MPI Biological Cybernetics, Tübingen, expected 2026)
- Victor Btesh (advisory panel, UCL, London, expected 2024)
- Yuan Meng (dissertation committee, Berkeley, CA, USA, expected 2022)

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- Masters dissertations
- Maohua Nie, Edinburgh (2022)
  - Stephanie Droop, Edinburgh (2021)
  - Jonas Nagel, Edinburgh (2020)
  - Yuyan Zhang, Edinburgh (2020)
  - Tobias Thejll-Madsen (2020)
  - Tianwei Gong, Edinburgh (2020)
  - Hector Mediero, Edinburgh (2019)
  - Mingxuan Mei, Edinburgh (2019)
  - Yves Wang, Galen Li, Cecilia Sun & Scarlett Liu, NYU (2018)
  - Pablo León Villagrà, UCL (2015)
  - Alexandra Surdina, UCL (2014)
  - George Deane, UCL (2014)
- Undergraduate dissertations
- Janice Wong & Felix Scrivens (2022)
  - Jim MacKay & Rapha Redfern (2022)
  - Zach Million, Edinburgh (2021)
  - Archie Miles, Edinburgh (2021)
  - Rue Chaladauskaite & Ingrid Holmen (2019)
  - Emily Bowie (2019)

## Grants

- 2021-2024 **£649,875**, *Computational constructivism: The algorithmic basis of discovery*, UKRI EPSRC New Investigator Award.  
 Col: Christopher G. Lucas,  
 Advisory panel: Fei Xu, Josh Tenenbaum, Todd Gureckis, Subramanian Ramamoorthy

## Awards and Scholarships

- 2022 Turing Postdoc Award (to Aba Szollosi with Maarten Speekenbrink and myself) (£2000)
- 2021 Edinburgh Futures Institute Small Project Award to run Computational Cognitive Science Retreat (~£2500)
- 2021 Edinburgh University Students Association, Outstanding Course Nominee
- 2020 International Union of Psychological Science: Young Investigator Award for Basic Science
- 2017 British Psychological Society Award for Outstanding Doctoral Research Contributions to Psychology
- 2016 Experimental Psychology Society Grindley Award (£500)
- 2016 UCL School of Life & Medical Sciences, Graduate School Conference Awards (£1204)
- 2015 Robert J. Glushko and Pamela Samuelson Foundation Award for top 20 student papers at CogSci (\$500)
- 2015 UCL School of Life & Medical Sciences, Graduate School Conference Awards (£1470)
- 2015 Bogue Research Fellowship from UCL funding 3 month visit to UC Berkeley and NYU in the USA (£3000)
- 2012 – 2016 London Centre for Financial Computing and Analytics 4-year EPSRC PhD scholarship (£79,600)
- 2011 Award for best performing student in MSc Cognitive Decision Sciences (£150)

## Invited talks

- Feb 2022 CogSciCon, University of Edinburgh
- Oct 2021 Colloquium, Center for Cognitive Computation, Central European University (remote)
- Apr 2021 Colloquium, University of New South Wales, Sydney, Australia (remote)
- Jan 2021 Colloquium, University of Surrey, UK (remote)

Apr 2020 Lab Meeting, Computational Principles of Intelligence Lab, Tübingen, Germany (remote)  
 May 2020 Lab Meeting, Causality in Cognition Lab, Stanford (remote)  
 Sep 2019 Psychology and Economics of Causal Reasoning, UCL, London  
 Aug 2019 Interacting Minds, Egmont aan Zee, Holland  
 May 2019 Task-Agnostic Reinforcement Learning Workshop, ICLR, New Orleans, USA  
 Apr 2019 iSearch, Max Planck Institute, Berlin, Germany  
 Mar 2019 Centre for Logic, Language & Cognition, Amsterdam, Netherlands  
 Feb 2019 CDT Pizza & Data, University of Edinburgh, Scotland  
 Feb 2019 Human Cognitive Neuroscience Seminar, University of Edinburgh, Scotland  
 Aug 2018 Program induction workshop, CogSci2018, Madison, WI, USA  
 Apr 2018 Neuroscience Showcase, Center for Data Science, NYU, New York, NY, USA  
 Mar 2018 Center for Data Science lunchtime series, NYU, New York, NY, USA  
 Mar 2018 Psychology colloquium, UC Berkeley, Berkeley, CA, USA  
 Feb 2018 Psychology colloquium, UC Irvine, Costa Mesa, CA, USA  
 Oct 2017 Tenenbaum Lab, MIT, Cambridge, MA, USA  
 Aug 2017 ILCC series, Informatics Forum, University of Edinburgh, UK  
 Mar 2017 ConCats, NYU, New York, NY  
 Mar 2016 Summerfield lab, Experimental Psychology, University of Oxford, UK  
 Oct 2015 London Judgment and Decision Making Group, UCL, London, UK  
 Jul 2015 Decision Making Symposium, Birkbeck, London, UK  
 Mar 2015 Computational Cognitive Science Lab, UC Berkeley, CA, USA  
 Feb 2015 Centre for Logic, Language and Cognition, University of Turin, Italy  
 May 2014 Max Planck Institute for Human Development, Berlin, Germany

## Conference & Workshop Presentations

May 2019 Causal Cognition in Humans and Machines, Oxford, England  
 Oct 2018 Moore Sloane Data Science Summit, Park City, UT, USA  
 Oct 2017 Moore Sloane Data Science Summit, New Orleans, LA, USA  
 Jul 2017 CogSci2017, London, UK  
 May 2017 TaCitS, Hoboken, New Jersey  
 Feb 2017 Gureckis lab talk, NYU, New York, NY, USA  
 Aug 2016 CogSci2016, Philadelphia, PA, USA  
 Aug 2016 ICT16, Brown University, Providence, RI, USA  
 Aug 2015 CogSci2015, Pasadena, CA, USA  
 Jul 2014 Decision making Bristol, University of Bristol, UK  
 Jul 2013 SPUDM24, ISCE, Barcelona, Spain  
 Jul 2013 MathPsych, Potsdam, Germany  
 Mar 2012 TeaP (Conference on Experimental Psychology), Mannheim, Germany  
 Feb 2012 Causality Workshop, Causal Cognition Group, UCL, London, UK  
 Aug 2011 Causality Workshop, Causal Cognition Group, UCL, London, UK  
 Mar 2011 English Graduate Conference on Lies and Deception, UCL, London, UK

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## Summer schools, symposia & conferences organised

- Jul 2021 "Symbolic and sub-symbolic systems in people and machines", CogSci2021, Vienna (remote).  
Co-organisers: Simon Valentin, Bonan Zhao, Chentian Jiang
- Aug 2019 "Interacting Minds", Joint research centre of University of Amsterdam and University of Edinburgh.  
Co-organisers: Sonja Smets, Wendy Johnson, Jelle Zuidema, Raquel Fernández, Hannah Rohde, Ivan Titov, Leendert van Maanen
- Aug 2018 "Learning as Program induction" CogSci018, Madison, Wisconsin  
Discussants: Josh Tenenbaum, Fei Xu, Laura Schulz, Noah Goodman, Steven Piantadosi, Marie Almaric, Eric Schulz, Neil Bramley, Ishita Dasgupta, Josh Rule, Lucas Morales
- Aug 2016 "Beyond Bayes nets" ICT16, Brown University  
Discussants: James Woodward, Anna Coenen, Neil Bramley, Elias Bareinboim and Steven Sloman
- Sep 2013 "Forecasting, monitoring, controlling: Dealing with a dynamic world", UCL  
One day conference featuring Brad Love, Magda Osman, Nigel Harvey, Stephan Lewandowsky, Stian Reimers and many others

## Teaching

University of Edinburgh, 2021/22

PPLS10160 Causal Cognition

PSYL10090 Psychology General Tutorial

University of Edinburgh, 2020/21

PPLS10160 Causal Cognition

PSYL10090 Psychology General Tutorial

PPLS08002 Introduction to Cognitive Science

University of Edinburgh, 2019/20

PPLS08002 Causal Cognition

PSYL10090 Psychology General Tutorial

PPLS08002 Introduction to Cognitive Science

University of Edinburgh, 2018/19

PSYL10090 Psychology General Tutorial

PSYL08012 Psychology 2B, Psychology of language lectures

## Professional service

2020–present **Editorial Board Member.**

Psychological Science

2020–present **Editorial Board Member.**

Cognitive Science Society

2012–present **Ad hoc reviewer.**

*Cognition, Psychological Science, JEP: General, JEP: Learning, Memory & Cognition, Memory & Cognition, Cognitive Science, Topics in Cognitive Science, Journal of Behavioral Decision Making, Experimental Psychology, Quarterly Journal of Experimental Psychology, Open Mind, PloS One, CogSci Conference Proceedings, Computational Brain & Behavior, Artificial Intelligence, Frontiers in Cognitive Science*

2017–2018 **Seminar series organizer, NYU, New York, NY.**

ConCats (Concepts and categories)

2012–2016 **Seminar series organizer, UCL, London, UK.**

LJDM (London Judgment and Decision Making)

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## Computer skills

Modelling / statistics C, C#, Cogent, Lisp, Julia, Jupyter, Mathematica, MATLAB, Python, Pytorch, R, Scikit Learn, SPSS, Stan, Tensor Flow, WebPPL, WinBUGS

Web development AWS, ActionScript, Box2D, CSS, Flash, Flask, Flex, HTML5, Hugo, Git, Java, Javascript, Jekyll, Perl, PHP, PsiTurk, Ruby, SQL

Misc Illustrator, Microsoft Office, LaTeX, Sublime

## Languages

English **Native**

Spanish **Intermediate**

German **Basic**

## References

David A. Lagnado  
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(more available upon request)