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

Peer reviewed articles

1. **Bramley**, N. R., B. Zhao, T. Quillien, and C. G. Lucas (in press). Local search and the evolution of world models. *Topics in Cognitive Science*.

2. **Bramley**, N. R. and F. Xu (2023). Active inductive inference in children and adults: A constructivist perspective. *Cognition* **238**(105471).

3. Btesh, V., D. A. Lagnado, M. Speekenbrink, and N. R. **Bramley** (2023). Swipe and hold: Composing interventions in continuous time causal learning. In: *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*. Austin, TX.

4. Btesh, V. J., N. R. Bramley, J.-P. Fränken, M. Speekenbrink, and D. A. Lagnado (2023). Modeling infant object perception as program induction. In: *Proceedings of the Computational Cognitive Neuroscience Meeting, 2023*.

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
+44 (79) 1441 9386 • +44 (131) 650 4643 • neil.bramley@ed.ac.uk
bramleylab.ppls.ed.ac.uk • NeilBramley • neilbramley

5. Cheyette, S. J., F. Callaway, N. R. **Bramley**, J. D. Nelson, and J. B. Tenenbaum (2023). Limits on information-processing governs active learning in humans. In: *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*. Austin, TX.

6. Fränken, J.-P., C. G. Lucas, N. R. Bramley, and S. T. Piantadosi (2023). Modeling infant object perception as program induction. In: *Proceedings of the Computational Cognitive Neuroscience Meeting, 2023*.

7. Fränken, J.-P., S. Valentin, C. G. Lucas, and N. R. **Bramley** (2023). Näive information aggregation in human social learning. *Cognition*.

8. Gong, T. and N. R. **Bramley** (2023a). Continuous time causal structure induction with prevention and generation. *Cognition* **240**(105530).

9. Gong, T. and N. R. **Bramley** (2023b). Evidence from the future. *Journal of Experimental Psychology: General*.

10. Gong, T., T. Gerstenberg, R. Mayrhofer, and N. R. **Bramley** (2023). Active Causal Structure Learning in Continuous Time. *Cognitive Psychology* **140**(101542).

11. Quillien, T., A. Szollosi, N. R. **Bramley**, and C. G. Lucas (2023). Causal inference shapes counterfactual plausibility. In: *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*. Austin, TX.

12. Szollosi, A., V. Grigoras, Q. Tadeg, C. G. Lucas, and N. R. **Bramley** (2023). How do instructions, examples, and testing shape task representations? In: *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*. Austin, TX.

13. Valentin, S., S. Kleinegesse, N. R. **Bramley**, P. Seriès, M. U. Gutmann, and C. G. Lucas (2023). Designing Optimal Behavioral Experiments Using Machine Learning. *eLife*.

14. Zhao, B., C. G. Lucas, and N. R. **Bramley** (2023). A model of conceptual bootstrapping in human cognition. *Nature Human Behaviour*.

15. Zhao, B., C. G. Lucas, and N. R. Bramley (2023). Modeling infant object perception as program induction. In: *Proceedings of the Computational Cognitive Neuroscience Meeting, 2023*.

16. **Bramley**, N. R., A. Jones, T. M. Gureckis, and A. Ruggeri (2022). Children's failure to control variables may reflect adaptive decision making. *Psychonomic Bulletin & Review*.

17. **Bramley**, N. R. and A. Ruggeri (2022). Children's active physical learning is as effective and goal-targeted as adults'. *Developmental Psychology*.

18. Droop, S. and N. R. **Bramley** (2022). Inferring epistemic intention in simulated physical microworlds. In: *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*. Austin, TX.

19. Fränken, J.-P., N. C. Theodoropoulos, and N. R. **Bramley** (2022). Algorithms of Adaptation in Inductive Inference. *Cognitive Psychology* **137**(101506).

20. Gong, T. and N. R. **Bramley** (2022). Intuitions and Perceptual Constraints on Causal Learning from Dynamics. In: *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*. Austin, TX.

21. Marchant, N., B. Zhao, N. R. **Bramley**, D. Morales, and S. E. Chaigneau (2022). Categorizing perceived causal events. In: *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

22. Rehder, R. E., Z. J. Davis, and N. R. **Bramley** (2022). The paradox of time in dynamic causal systems. *Entropy* **24**(7), 863.

23. Valentin, S., N. R. **Bramley**, and C. G. Lucas (2022). Discovering Common Hidden Causes in Sequences of Events. *Computational Brain & Behavior*.

24. Zhao, B., N. R. **Bramley**, and C. G. Lucas (2022). Powering up causal generalization: A model of human conceptual bootstrapping with adaptor grammars. In: *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*. Austin, TX.

25. Donkin, C., A. Szollosi, and N. R. **Bramley** (2021). Observing effects in various contexts won't give us general psychological theories. *Behavioral and Brain Sciences*.

26. Gong, T. and N. R. **Bramley** (2021). Learning preventative and generative causal structures from point events in continuous time. In: *Causal Inference & Machine Learning: Why now? – Workshop at Neural Information Processing Systems*. Ed. by E. Bareinboim, B. Scholkopf, T. Sejnowski, Y. Bengio, and J. Pearl.

27. Li, Z., N. R. **Bramley**, and T. M. Gureckis (2021). Expectations about future learning influence moment-to-moment feelings of suspense. *Cognition & Emotion* **35**(6), 1099–1120.

28. Ludwin-Peery, E. J., N. R. **Bramley**, E. Davis, and T. M. Gureckis (2021). Limits on Simulation Approaches in Intuitive Physics. *Cognitive Psychology* **127**(101396).

29. Valentin, S., S. Kleinegesse, N. R. **Bramley**, M. U. Gutmann, and C. G. Lucas (2021). Bayesian Optimal Experimental Design for Simulator Models of Cognition. In: *AI for Science: Mind the Gaps – Workshop at Neural Information Processing Systems*. Ed. by M. Tegmark, A. Weller, M. Welling, and M. Zitnik.

30. Zhao, B., C. G. Lucas, and N. R. **Bramley** (2021a). Building Object-based Causal Programs for Human-like Generalization. In: *Causal Inference & Machine Learning: Why now? – Workshop at Neural Information Processing Systems*. Ed. by E. Bareinboim, B. Scholkopf, T. Sejnowski, Y. Bengio, and J. Pearl.

31. Zhao, B., C. G. Lucas, and N. R. **Bramley** (2021b). How do people generalize causal relations over objects? A non-parametric Bayesian account. *Computational Brain & Behavior* **5**, 22–44.

32. Davis, Z. J., N. R. **Bramley**, and R. E. Rehder (2020a). Causal structure learning in continuous systems. *Frontiers in Psychology* **11**(244).

33. Davis, Z. J., N. R. **Bramley**, and R. E. Rehder (2020b). The paradox of time in dynamic causal systems. In: *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

34. Davis, Z. J., T. M. Gureckis, R. E. Rehder, and N. R. **Bramley** (2020). Human dynamic control under changing goals. In: *Causal learning for decision making workshop*. ICLR 2020.

35. Fränken, J.-P., N. Theodoropoulos, A. B. Moore, and N. R. **Bramley** (2020). Belief revision in a micro-social network: Modeling sensitivity to statistical dependencies in social learning. In: *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

36. Gong, T. and N. R. **Bramley** (2020). What you didn't see: Prevention and generation in continuous time causal induction. In: *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

37. Ludwin-Peery, E. J., N. R. **Bramley**, E. Davis, and T. M. Gureckis (2020b). Broken Physics: A conjunction fallacy effect in intuitive physical reasoning. *Psychological Science* **31**(12), 1602–1611.

38. Valentin, S., N. R. **Bramley**, and C. G. Lucas (2020). Learning hidden causal structure from temporal data. In: *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

39. **Bramley**, N. R., T. Gerstenberg, R. Mayrhofer, and D. A. Lagnado (2019). Intervening in time. In: *Time and Causality in the Sciences (edited volume)*. Ed. by S. Kleinberg. Cambridge University Press.

40. Coenen, A., A. Ruggeri, N. R. **Bramley**, and T. M. Gureckis (2019). Testing one or multiple: How Beliefs about sparsity affect causal experimentation. *Journal of Experimental Psychology: Learning, Memory & Cognition* **45**(11), 1923–1941.

41. Li, S., Y. Sun, S. Liu, T. Wang, T. M. Gureckis, and N. R. **Bramley** (2019). Active physical inference via reinforcement learning. In: *Proceedings of the 41st Annual Meeting of the Cognitive Science Society*. Ed. by A. Goel, C. Seifert, and C. Freksa. Austin, TX: Cognitive Science Society.

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
+44 (79) 1441 9386 • ☎ +44 (131) 650 4643 • ✉ neil.bramley@ed.ac.uk
bramleylab.ppls.ed.ac.uk • 🐦 NeilBramley • 🌐 neilbramley

42. Li, Z., N. R. **Bramley**, and T. M. Gureckis (2019). The critical moment is coming: Modeling the dynamics of suspense. In: *Proceedings of the 41st Annual Meeting of the Cognitive Science Society*. Ed. by A. Goel, C. Seifert, and C. Freksa. Austin, TX: Cognitive Science Society.

43. Ludwin-Peery, E. J., N. R. **Bramley**, E. Davis, and T. M. Gureckis (2019). Limits on the Use of Simulation in Physical Reasoning. In: *Proceedings of the 41st Annual Meeting of the Cognitive Science Society*. Ed. by A. Goel, C. Seifert, and C. Freksa. Austin, TX: Cognitive Science Society.

44. **Bramley**, N. R., T. Gerstenberg, R. Mayrhofer, and D. A. Lagnado (2018). Time in causal structure learning. *Journal of Experimental Psychology: Learning, Memory & Cognition* **44**(2), 1880–1910.

45. **Bramley**, N. R., T. Gerstenberg, J. B. Tenenbaum, and T. M. Gureckis (2018). Intuitive experimentation in the physical world. *Cognitive Psychology* **195**, 9–38.

46. **Bramley**, N. R., A. Rothe, J. B. Tenenbaum, F. Xu, and T. M. Gureckis (2018). Grounding compositional hypothesis generation in specific instances. In: *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

47. Davis, Z. J., N. R. **Bramley**, and R. E. Rehder (2018). Causal structure learning with continuous variables in continuous time. In: *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

48. Davis, Z. J., N. R. **Bramley**, R. E. Rehder, and T. M. Gureckis (2018). A causal model approach to dynamic control. In: *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

49. Meng, Y., N. R. **Bramley**, and F. Xu (2018). Children's causal interventions combine discrimination and confirmation. In: *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

50. **Bramley**, N. R., P. Dayan, T. L. Griffiths, and D. A. Lagnado (2017). Formalizing Neurath's ship: Approximate algorithms for online causal learning. *Psychological Review* **124**(3), 301–338.

51. **Bramley**, N. R., R. Mayrhofer, T. Gerstenberg, and D. A. Lagnado (2017). Causal learning from interventions and dynamics in continuous time. In: *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

52. Coenen, A., N. R. **Bramley**, A. Ruggeri, and T. M. Gureckis (2017). Beliefs about sparsity affect causal experimentation. In: *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

53. Schulz, E., E. D. Klenske, N. R. **Bramley**, and M. Speekenbrink (2017). Strategic exploration in human adaptive control. In: *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

54. **Bramley**, N. R., T. Gerstenberg, and J. B. Tenenbaum (2016). Natural science: Active learning in dynamic physical microworlds. In: *Proceedings of the 38th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.2567–2573.

55. McCormack, T., N. R. **Bramley**, C. Frosch, F. Patrick, and D. A. Lagnado (2016). Children's Use of Interventions to Learn Causal Structure. *Journal of Experimental Child Psychology* **141**, 1–22.

56. **Bramley**, N. R., P. Dayan, and D. A. Lagnado (2015). Staying afloat on Neurath's boat: Heuristics for sequential causal learning. In: *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.262–267.

57. **Bramley**, N. R., D. A. Lagnado, and M. Speekenbrink (2015). Conservative forgetful scholars: How people learn causal structure through interventions. *Journal of Experimental Psychology: Learning, Memory & Cognition* **41**(3), 708–731.

58. **Bramley**, N. R., T. Gerstenberg, and D. A. Lagnado (2014). The order of things: Inferring causal structure from temporal patterns. In: *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.236–242.

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland

+44 (79) 1441 9386 • ☎ *+44 (131) 650 4643* • ✉ *neil.bramley@ed.ac.uk*

bramleylab.ppls.ed.ac.uk • 🐦 *NeilBramley* • *neilbramley*

Book chapters

59. **Bramley**, N. R., T. Gerstenberg, R. Mayrhofer, and D. A. Lagnado (2019). Intervening in time. In: *Time and Causality in the Sciences (edited volume)*. Ed. by S. Kleinberg. Cambridge University Press.

Theses

60. **Bramley**, N. R. (Feb. 2017). "Constructing the world: Active causal learning in cognition". PhD thesis. UCL.

61. **Bramley**, N. R. (July 2013). "Algorithms for active causal learning". MRes thesis, UCL.

62. **Bramley**, N. R. (July 2011). "Mechanisms of active causal learning". MSc thesis, UCL.

Posters

63. **Bramley**, N. R., J. D. Nelson, M. Speekenbrink, V. Crupi, and D. A. Lagnado (n.d.). *What should causal learners value?* Poster presented at the Annual Meeting of the Psychonomic Society.

64. **Bramley**, N. R., M. Speekenbrink, and D. A. Lagnado (n.d.). *Mechanisms of active causal learning*. Poster presented at the 35th Annual Meeting of the Cognitive Science Society.

65. Droop, S. and N. R. **Bramley** (2023). *Extending counterfactual reasoning models to capture unconstrained social explanations*. Poster presented at the 45th Annual Meeting of the Cognitive Science Society.

66. Fränken, J.-P., S. Valentin, C. G. Lucas, and N. R. **Bramley** (2021). *Know your network: Sensitivity to structure in social learning*. Poster presented at the 43rd Annual Meeting of the Cognitive Science Society. Austin, TX.

67. Ludwin-Peery, E. J., N. R. **Bramley**, E. Davis, and T. M. Gureckis (2020a). *A Generalization Test of Conjunction Errors in Physical Reasoning*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society. Austin, TX.

68. Otero Mediero, H. and N. R. **Bramley** (2020). *Contrasting RNN-based and simulation-based models of human physical parameter inference*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society. Austin, TX.

69. Zhao, B. and N. R. **Bramley** (2020). *Order effects in one-shot causal generalization*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society. Austin, TX.

Miscellaneous

70. Davis, Z. J., T. M. Gureckis, R. E. Rehder, and N. R. **Bramley** (2020). Human dynamic control under changing goals. In: *Causal learning for decision making workshop*. ICLR 2020.

71. **Bramley**, N. R. (2014). *Book Review: Future-Minded: The Psychology of Agency and Control by Magda Osman*. In: *The London School of Economics Review of Books*.

Supervision

PhD Supervision
Jan-Philipp Franken (primary supervisor, 2022, now postdoc at Stanford)
Bonan Zhao (primary supervisor, 2023, now postdoc at Princeton)
Tianwei Gong (primary supervisor, 2023, now postdoc at Edinburgh)
Stephanie Droop (primary supervisor, expected 2025)
Nicolas Navarre (primary supervisor, expected 2027)
Fahd Yasin (secondary supervisor, expected 2024)
Simon Valentin (secondary supervisor, expected 2024)
Ella Markham (secondary supervisor, expected 2026)
Susanne Haridi (advisory panel, MPI Biological Cybernetics, Tübingen, expected 2026)
Yuan Meng (dissertation committee, Berkeley, CA, USA, 2022)
Naomi Steer (tertiary supervisor/AI consultant, Glasgow University, expected 2025)

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
📞 *+44 (79) 1441 9386* • ☎ *+44 (131) 650 4643* • ✉ *neil.bramley@ed.ac.uk*
🖥 *bramleylab.ppls.ed.ac.uk* • 🐦 *NeilBramley* • 🌐 *neilbramley*

Masters dissertations	Paulina Weiss, Edinburgh (2023)
	Wenjia Zhang, Edinburgh (2023)
	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 Villagrá, UCL (2015)
	Alexandra Surdina, UCL (2014)
	George Deane, UCL (2014)

Undergraduate dissertations	Sai Tamkevicius, Barnabas Both & Jack Grinstead (2023)
	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	**£799,324.51**, *Computational constructivism: The algorithmic basis of discovery*, UKRI EPSRC New Investigator Award. CoI: Christopher G. Lucas, Advisory panel: Fei Xu, Josh Tenenbaum, Todd Gureckis, Subramanian Ramamoorthy
2023	**£3,000**, *Small Research Grant*, Small internal grants: Pilot work toward a Leverhulme Applicant.
2023	**Under review**, Toward a unified theory of conceptual diversity, Leverhulme Research Project Grant, (Requesting £316,804).
2023	**Rejected**, Foundations of the mind, *Leverhulme Doctoral Training Centre*, (Requested ≈£3M). CoI: Hugh Rabagliati, Jennifer Culbertson, Mazviita Chirimuuta

Awards and Scholarships

2023	Computational Modeling Prize in Higher-level Cognition for "Limits on information-processing governs active learning in humans" at CogSci ($1000)
2023	Student Partnership Agreement: Small internal grant for cohort building activities: Funding a reading group (£500)
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 (£500)
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)

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland

🕬 *+44 (79) 1441 9386* • ☎ *+44 (131) 650 4643* • ✉ *neil.bramley@ed.ac.uk*
🖰 *bramleylab.ppls.ed.ac.uk* • 🐦 *NeilBramley* • ⊛ *neilbramley*

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

Sep 2023	Beliefs, Narratives & Memory, TUM, Munich
May 2023	PPLS Research Day 2023, University of Edinburgh
May 2023	London Judgment & Decision Making Seminar, UCL, England
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 2023	Causality and Heuristics in the Sciences, UCL, England
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

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
📞 +44 (79) 1441 9386 • ☎ +44 (131) 650 4643 • ✉ neil.bramley@ed.ac.uk
🖥 bramleylab.ppls.ed.ac.uk • 🐦 NeilBramley • 🌐 neilbramley

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

Summer schools, symposia & conferences organised

Jun 2022	"Edinburgh Computational Cognitive Science Summer Workshop", Edinburgh, Scotland Co-organisers: Zachary Horne
Sep 2021	"Cognition, Communication and Computation Workshop", Firbush, Scotland.
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, 2022/23
INFR11210	Seminar in Cognitive Modelling
	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	Pyschology 2B, Psychology of language lectures

Professional service

2020–present **Editorial Board Member**.
Psychological Science

2019–present **Editorial Board Member**.
Cognitive Science Society

2012–present **Ad hoc reviewer**.
PNAS, Cognitive Psychology, 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, Topics 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)

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
Professor of Experimental Psychology
University College London
26 Bedford Way, 203
London, WC1H, 0AP
+44 20 7679 5389
d.lagnado@ucl.ac.uk

Peter Dayan
Research Group Director
Max-Planck Biological Cybernetics
Ring 8 Tübingen
72076
+49 7071 601 900
peter.dayan@tuebingen.mpg.de

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
🕬 *+44 (79) 1441 9386* • ☎ *+44 (131) 650 4643* • ✉ *neil.bramley@ed.ac.uk*
🖱 *bramleylab.ppls.ed.ac.uk* • 🐦 *NeilBramley* • ⦿ *neilbramley*

Todd M. Gureckis
Associate Professor of Psychology
New York University
6 Washington Place, 859
New York, NY 10003
+1 212 998 3794
todd.gureckis@nyu.edu

Thomas L. Griffiths
Henry R. Luce Professor of Information Technology, Consciousness and Culture
Princeton University
320 Peretsman Scully Hall
Princeton, NJ 08540
+1 609 258 4442
tomg@princeton.edu

(more available upon request)

Room S2, 7 George Square – Edinburgh, EH8 9JZ – Scotland
🕬 *+44 (79) 1441 9386* • ☎ *+44 (131) 650 4643* • ✉ *neil.bramley@ed.ac.uk*
🖥 *bramleylab.ppls.ed.ac.uk* • 🐦 *NeilBramley* • Ⓖ *neilbramley*