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#### AREAS OF SPECIALIZATION

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Philosophy of Physics, Metaphysics, Cognitive Science, Philosophy of Science, Philosophy of Mind,  
Philosophy of Social Science

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#### EMPLOYMENT

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- 
- William H. Miller III Professor of Philosophy, **Johns Hopkins University**
  - Professor, **Columbia University**
  - 2022– present
  - Affiliate, Zuckerman Institute 2020 – 2022
  - Professor, **University of Arizona** 2015 – 2018  
Dept. of Philosophy with an appointment in the program for Cognitive Science.
  - Associate Professor, **University of Arizona** 2005 – 2015  
Dept. of Philosophy with an appointment in the program for Cognitive Science.
  - **University of Sydney** Queen Elizabeth II Research Fellow, Centre for Time, 2005 – 2010
  - Assistant Professor, **University of Arizona** 1996 – 2005
  - Visiting Professor and Mellon Fellow, **Stanford University** 1996 – 1998

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#### EDUCATION

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- 
- Ph.D. Princeton University** 1997  
Advisors: Bas van Fraassen (Primary), David Albert, and Paul Benacerraf.  
Dissertation: “Some Essays on Symmetry.”
- M.A. Princeton University** 1994
- B.A. Reed College** 1989

## BOOKS

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- **Time: A Very Short Introduction**, Oxford University Press 2021
  - **How Physics Makes Us Free**, Oxford University Press 2016, 2019
  - **The Situated Self**, Oxford University Press 2007, 2009
  - **Essays on Symmetry**, Garland, Routledge 2001, 2014

## PUBLISHED AND FORTHCOMING PAPERS

## Papers

(forthcoming) “The Open Universe: Totality, Self-reference and Time”, Australasian Philosophical Review. (commentaries by Huw Price, Carlo Rovelli, Christoph Hoerl, Kristie Miller)

(2023) “Reflections on the Asymmetry of Causation.” Interface Focus 13: 20220081. <https://doi.org/10.1098/rsfs.2022.0081>.

(2023) “The Neuroconnectionist Research Programme”. With Doerig, A., Sommers, R.P., Seeliger, K., et al., *Nat Rev Neurosci* **24**, 431–450 (2023). <https://doi.org/10.1038/s41583-023-00705-w>.

(2023) “Rethinking Time and Determinism: what happens to determinism when you take relativity seriously, *Time and Science*, edited by Remy Lestienne and Paul Harris, World Scientific Publishing.

(2023) “Humean Disillusion”, in *Humean Laws for Humean Agents*, edited by Christian Low, Michael Hicks and Sigfried Jaag, Oxford University Press.

(2022) “Why Physics Should Care about the Mind, and How to Think About it Without Worrying About the Mind-Body Problem”, in *Quantum Mechanics and Consciousness*, edited by Shan Gao, Oxford University Press, 2022.

(2022) “Time and the Visual Imagination: from physics to philosophy”, *Oxford Studies in the Philosophy of Mind*, vol. 2, edited by Uriah Kriegel, Oxford University Press.

(2021) “Symmetry and Superfluous Structure: lessons from history and tempered enthusiasm,” *Routledge Companion to the Philosophy of Physics*, edited by Eleonor Knox and Alastair Wilson, Routledge.

(2021) "Do you See Space? How to recover the visible and tangible reality of space (without space)", *Philosophy Beyond Space-time 2*, edited by Christian Wuthrich and Nick Huggett, Oxford University Press.

(2020) "Space, Quantum Mechanics, and Bohm's Fishtank", in *The Foundation of Reality: Fundamentality, Space and Time*, Eds. David Glick and Anna Marmodoro, Oxford University Press.

(2020) "On Chance: or Why I am (only) Half-Humean," *Current Controversies in Philosophy of Science*, edited by Shamik Dasgupta, Routledge.

(2019) "Experience, Transformation and Imagination", in *Internazionale di Filosofia e Psicologia*, 10 (3):330-338.

(2019) "Determinism, Counterpredictive Devices, and the Impossibility of Laplacean Intelligences" in *The Monist*, Special Issue edited by Gordon Belot.

(2019) "Causation: an Overview of our Emerging Understanding", in *Time and Causality across the Sciences*, edited by Samantha Kleinberg, Cambridge University Press.

(2018) "Causal Content and Global Laws". In *The Experimental Side of Modeling*, edited by Isabelle F. Peschard, and Fraassen, Bas C. van, University of Minnesota Press.

(2017) "Why Study the Humanities? The view from science", in *New Essays on the Philosophy of Understanding*, edited by Stephen Grimm, Oxford University Press.

(2017) "Passage, Flow, and the Logic of Temporal Perspectives", in *The Nature of Time, The Time of Nature*, edited by Christophe Bouton and Phillippe Hunemann, University of Chicago Press.

(2016) "Quantum Holism: Nonseparability as Common Ground." With Johnathan Schaffer, *Synthese*, <https://doi.org/10.1007/s11229-016-1201-2>.

(2016) "A Philosopher of Science Looks at Ideal Theory." *Social Philosophy and Policy*, 33:1-2, p.11-31.

(2016) "Which Curie's Principle." With Elena Castellani. *Philosophy of Science*, 83(5): 1002-1013.

(2016) "An Empiricist's Guide to Objective Modality." In *Metaphysics and the Philosophy of Science*, edited by Zanja Yudell and Matthew Slater, Oxford University Press.

(2016) "How Do Causes Depend On Us? The Many Faces of Perspectivism." *Synthese*, 193:2.

(2016) "From Physical Time to Human Time". edited by Yuval Abrams, In *Cosmological and Psychological Time*, Springer.

- (2015) “On Whether the Atemporal Conception of the World is also Amodal”. *Analytic Philosophy*, 56 (2), p. 142-157.
- (2015) “Sleeping Beauty and Slacker Bob”, Unpublished.
- (2015) “How to be Humean”, in *A Companion to David Lewis*, edited by Barry Loewer and Johnathan Schaffer, Wiley Blackwell, p.188-205, 2015.
- (2015) “In Defense of the Chance-Mixing Principle: Response to Pettigrew”, *Nous*, 49:1, p. 197-200.
- (2015) “Do statistical mechanical probabilities need quantum shuffling? Albert’s Boltzmannian Story and GRW collapses”, Unpublished.
- (2014) “On Being Some-One”, in *Surrounding Free Will*, edited by Al Mele, Oxford University Press, p. 274-297.
- (2014) “Metaphysics on the Sydney Plan”, in *Philosophical Methodology; the Armchair or the Laboratory*, edited by Mathew Haug, Routledge, p. 86-103.
- (2013) Simplicity as a Guide to Scientific Metaphysics, Unpublished.
- (2013) The Tension in Humeanism, Unpublished.
- (2012) “Causation, Free Will, and Naturalism”, In *Scientific Metaphysics*, edited by Harold Kincaid, James Ladyman, and Don Ross, Oxford University Press, p. 208-236.
- (2011) “Reflexivity, Fixed points, and Semantic Descent; How I Learned to Stop Worrying and Love Reflexivity”, *Acta Analytica*, 26 (4), p. 295-310.
- (2011) “Decision and the Open Future”, in *The Future of the Philosophy of Time*, edited by Adrian Bardon, Routledge, p. 149-168.
- (2012) “Immunity to Error as an Artefact of Transition Between Representational Media”, in *Immunity to Error through Misidentification: New Essays*, edited by Simon Prosser and François Recanati, Cambridge University Press, p. 62-80.
- (2011) “A Modest Proposal About Chance”. *Journal of Philosophy*, 108 (8), p. 416-442.
- (2011) “Precis for Symposium on The Situated Self”. *Philosophy and Phenomenological Research*, 82 (3), p. 733-748.
- (2011) “Replies to Symposiasts”. *Philosophy and Phenomenological Research*, 82 (3), p. 752-758.
- (2011) “Self-Organization and Self-Governance”. *Philosophy of the Social Sciences*, S. 41(3), 327-351.
- (2010) “Temporal Experience”. In *Oxford Handbook on Time*, edited by Craig Callender, Oxford University Press.

- (2009) "Probability in Deterministic Physics". *Journal of Philosophy, Philosophy*, 106 (2):89-108.
- (2008) "Raid! The Big, Bad Bug Dissolved". *Nous*, Volume 42, Number 2.
- (2008) "An Objectivist Argument for Thirdism". With the OSCAR seminar, *Analysis* 68 (2):149-155.
- (2008) "Me, again". In *Topics in Contemporary Philosophy, Volume 6: Time and Identity*, edited by Keirn-Campbell, O'Rourke, and Shier, MIT Press.
- (2007) "Freedom, Compulsion, and Causation". *Psyche*, 13/1, April.
- (2006) "The Ethical Importance of Death". In *Death And Anti-Death, Volume 4: Twenty Years After De Beauvoir, Thirty Years After Heidegger*, edited by Charles Tandy, Palo Alto: Ria University Press, reprinted in *Introduction to Philosophy: Contemporary Readings*, edited by John Perry, Michael Bratman, John Martin Fischer, Oxford University Prese (2012, 2018).
- (2006) "Doublemindedness; a model for a dual-content cognitive architecture". *Psyche*, vol. 12.
- (2006) "Saving the Baby: Dennett on Autobiography, Agency, and the Self", *Philosophical Psychology*, 19:3, 345-360, DOI: [10.1080/09515080600690565](https://doi.org/10.1080/09515080600690565)
- (2015) "Quantum Mechanics", "Quantum Mechanics", *The Stanford Encyclopedia of Philosophy* (Fall 2021 Edition), Edward N. Zalta (ed.), URL = [<https://plato.stanford.edu/archives/fall2021/entries/qm/>](https://plato.stanford.edu/archives/fall2021/entries/qm/).
- (2004) "Nolipsism: So You Think You Exist, Do You?". With John Pollock. In *Knowledge and Reality: Essays in Honor of Alvin Plantinga* (Kluwer), edited by Thomas Crisp, Matthew Davidson, and David Vander Laan, Springer Verlag.
- (2004) "Addendum to How to Combine Chance and Determinism: Response to Lewis", Unpublished.
- (2003) "How to Combine Chance and Determinism: Thinking About the Future in an Everett Universe". *Philosophy of Science*, Volume 70, Issue 4, October 2003, pp. 776 - 790
- (2003) "Symmetry as a Guide to Superfluous Theoretical Structure." With Bas van Fraassen. In *Symmetries in Physics: Philosophical Reflections*, edited by Elena Castellani and Katherine Brading, Cambridge University Press.
- (2002) "Closed Causal Loops and the Bilking Argument." *Synthese*, vol 136, no. 3, p. 305-320.
- (2001) "Remembrances, Mementos, and Time Capsules." In *Time, Reality, and Experience*, edited by Craig Callender. Cambridge University Press.
- (1999) "Science and the Phenomenal." *Philosophy of Science*, Vol. 66, No. 3, pp. 351-369.

(1997) “Curie’s Principle.” *Synthese*, F 97. 110(2), 167-190.  
<https://link.springer.com/article/10.1023/A:1004929109216>

(1996) “What Chances Could Not Be.” *British Journal for the Philosophy of Science*, Vol 37, Number 1. <https://www.journals.uchicago.edu/doi/10.1093/bjps/47.1.79>.

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## BOOK REVIEWS

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- Review of Marcelo Gleiser, Adam Frank, Evan Thompson, *The Blind Spot*, Nature Physics, 2024
- Review of Sabine Hossenfelder’s *Existential Physics*, Times Literary Supplement, 2023
- Review of Carlo Rovelli’s *Helgoland*, Times Literary Supplement, 2021
- “Review of Mathias Frische’s Causal Reasoning in Physics.” *Philosophical Review*, March 2016 125(3): 431-435; doi:10.1215/00318108-3517021
- “Essay Review of David Wallace’s *The Emergent Multiverse*.” With Guido Bacciagaluppi *Philosophy of Science*, January 2015, Vol. 82, No. 1: 129 – 148.

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## EDITORIAL BOARDS AND PROFESSIONAL ORGANIZATIONS

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- *Journal of Philosophy*, editorial board
- *Philosophy of Physics*, editorial board
- FQXi (Foundational Questions Institute), Scientific Advisory Board
- *Philosophical Outsiders book series*, Oxford University Press, editorial board
- American Philosophical Association
- Philosophy of Science Association

My erdos number is 5: Paul Erdős-Joel Spencer-Nuel Belnap-Hugues Leblanc-Bas van Fraassen.

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