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AREAS OF SPECIALIZATION

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

EMPLOYMENT

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

EDUCATION

- Ph.D. Princeton University** 1997
Advisors: Bas van Fraassen (Primary), David Albert, and Paul Benacerraf.
Dissertation: “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

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- “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, forthcoming
 - “Humean Disillusion”, in *Humean Laws for Humean Agents*, edited by Christian Low, Michael Hicks and Sigfried Jaag, Oxford University Press, forthcoming.
 - “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, forthcoming.
 - “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, forthcoming
 - “Time and the Visual Imagination: from physics to philosophy”, *Oxford Handbook on the Philosophy of Mind*, edited by Uriah Kriegel, Oxford University Press, forthcoming

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

(2021) “Symmetry and Superfluous Structure,” *Routledge Companion to the Philosophy of Physics*, edited by Eleonor Knox and Alastair Wilson, Routledge, Forthcoming.

(2021) “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, forthcoming.

(2019) “Remarks on Transformative Experience”, in *Internazionale di Filosofia e Psicologia*

(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 Causation in the Sciences*, edited by Samantha Kleinberg, Cambridge University Press

(2019) Essay on Free Will, *Times Literary Supplement*

- (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, June.
- (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.
- (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.
- (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*, CVI, 2, February.
- (2008) "Raid! The Big, Bad Bug Dissolved". *Nous*, Volume 42, Number 2, June.
- (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*, July, 1-11.
- (2006) "Saving the Baby: Dennett on Autobiography". *Philosophical Psychology*.
- (2015) Ismael, Jenann, "Quantum Mechanics", [The Stanford Encyclopedia of Philosophy](#) (Spring 2015 Edition), Edward N. Zalta (ed.)
- (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.
- (2003) "How to Combine Chance and Determinism: Thinking About the Future in an Everett Universe". *Philosophy of Science*, October.
- (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*, September.
- (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*, December.
- (1997) "Curie's Principle." *Synthese*, January.
- (1996) "What Chances Could Not Be." *British Journal for the Philosophy of Science*, March.
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BOOK REVIEWS

- 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.

EDITORIAL BOARDS AND PROFESSIONAL ORGANIZATIONS

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