

# SAM BARON

## Curriculum Vitae

### CONTACT

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School of Philosophical and Historical Studies  
University of Melbourne  
Parkville, Victoria 3052  
P +61 383 444 000  
samuel.thomas.baron@gmail.com.au  
s.baron@unimelb.edu.au  
<https://sites.google.com/site/sambaronphilosophy/>

### AREAS OF SPECIALISATION

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Philosophy of Science, Metaphysics, Philosophy of Mathematics, Philosophy of AI.

### AREAS OF COMPETENCE

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Ethics, Early Modern Philosophy, Philosophy of Mind, Logic.

### CITATION METRICS (GOOGLE SCHOLAR)

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Citations: [1268](#)

h-index: [23](#)

h-annual: [1.77](#)<sup>1</sup>

### EMPLOYMENT

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- [1] University of Melbourne (2024–) Associate Professor of Philosophy.
- [2] Australian Catholic University (2022–2023) Professor of Philosophy.
- [3] Australian Catholic University (2021–2023) Deputy Director of the Dianoia Institute of Philosophy.
- [4] Australian Catholic University (2020–2022) Associate Professor of Philosophy.
- [5] University of Western Australia (2018–2019) Senior Research Fellow in Philosophy (ARC DECRA).
- [6] University of Western Australia (2017–2019) Senior Lecturer in Philosophy.
- [7] University of Western Australia (2014–2017) Lecturer in Philosophy.
- [8] University of Sydney (2013–2015) Postdoctoral Fellowship.
- [9] University of Sydney (2012) Research Associate.

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<sup>1</sup>Rate of growth in h-index by year since first publication.

## EDUCATION

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- [1] University of Sydney (2008–2012): PhD, Philosophy.
- [2] University of Western Australia (2003–2007): BA Hons., Philosophy.

## PUBLICATIONS

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### MONOGRAPHS

- [1] Baron, S., Tallant, J. & Miller, K. (2022) *Out of Time: A Philosophical Study of Timelessness* (Oxford: Oxford University Press).

### ARTICLES

- [1] (Forthcoming) “Scientific Theory and Possibility” (with Baptiste Le Bihan and James Read) *Erkenntnis*.
- [2] (Forthcoming) “How Much Did Each of the Authors of this Paper Causally Contribute to its Writing?” (with Helen Beebe, David Braddon-Mitchell, Antony Eagle and Kristie Miller) *Philosophers’ Imprint*.
- [3] (Forthcoming) “Explainable AI and Stakes in Medicine: A User Study” (with Andrew J. Latham and Somogy Varga) *Artificial Intelligence*.
- [4] (Forthcoming) “Trust, Explainability and AI” *Philosophy & Technology*.
- [5] (Forthcoming) “Priority Monism and the Emergence of Spacetime” (with Jessica Pohlmann) *Synthese*.
- [6] (Forthcoming) “Is Endurantism the Folk Friendly View of Persistence?” (with Andrew J. Latham, Jordan Oh and Kristie Miller) *Philosophical Studies*.
- [7] (Forthcoming) “Philosophical Methodology: A Plea for Tolerance” (with Finnur Dellsén, Tina Firing and James Norton) *Analysis*.
- [8] (Forthcoming) “Dialetheism and the A-theory” *Philosophical Quarterly*.
- [9] (Forthcoming) “Inference to the Best Contradiction?” *British Journal for the Philosophy of Science*.
- [10] (Forthcoming) “Platonism and Intra-mathematical Explanation” *Philosophical Quarterly*.
- [11] (2024) “Locative Grounding Harmony” (with Kristie Miller and Jonathan Tallant) *Philosophical Studies*, 181: 1971–2001.
- [12] (2024) “Causal Theories of Spacetime” (with Baptiste Le Bihan) *Nous*, 58(1): 202–224.
- [13] (2024) “Mathematical Explanation: A Pythagorean Proposal” *British Journal for the Philosophy of Science*, 75(3).
- [14] (2023) “Moving Ego versus Moving Time: Investigating the Shared Source of Future-Bias and Near-Bias” (with Brigitte Everett, Andrew J. Latham, Kristie Miller and Hannah Tierney) *Synthese*, 202(94).
- [15] (2023) “Non-Dynamism and Temporal Disturbances” (with Andrew J. Latham and Somogy Vargy) *Synthese*, 202(49).
- [16] (2023) “On Drugs” (with Sara Linton and Maureen O’Malley) *Journal of Medicine and Philosophy*, 48(6): 551–564.

- [17] (2023) “Explainable AI and Causal Understanding: Counterfactual Approaches Considered” *Minds and Machines*, 33: 347–377.
- [18] (2023) “Trouble on the Horizon for Presentism” (with Baptiste Le Bihan) *Philosophers’ Imprint*, 23(1): 2.
- [19] (2023) “Eliminating Spacetime” *Erkenntnis*, 88: 1289–1308.
- [20] (2023) “Presentism and Representation: Saying it Without Words” *Synthese*, 201(2): 1–33.
- [21] (2022) “The Harmony of Grounding” (with Kristie Miller and Jonathan Tallant) *Philosophical Studies*, 179: 3421–3446.
- [22] (2022) “Spacetime: Function and Approximation” *Synthese*, 200(170).
- [23] (2022) “Time, And Time Again” (with Yi-Cheng Lin) *Philosophical Quarterly*, 72(2): 259–282.
- [24] (2022) “Composing Spacetime” (with Baptiste Le Bihan) *Journal of Philosophy*, 119(1): 33–54.
- [25] (2022) “Counterfactuals of Ontological Dependence” *Journal of the American Philosophical Association*, 8(2): 278–299.
- [26] (2022) “Quantum Gravity and Mereology: Not So Simple” (with Baptiste Le Bihan) *Philosophical Quarterly*, 72(1): 19–40.
- [27] (2021) “Unification and Mathematical Explanation in Science” *Synthese*, 199: 7339–7363.
- [28] (2021) “Empirical Incoherence and Double Functionalism” *Synthese*, 199: 413–439.
- [29] (2021) “Non-naturalistic Moral Explanation” (with Mark Colyvan, Kristie Miller and Michael Rubin) *Synthese*, 198: 4273–4294.
- [30] (2021) “Temporal Fictionalism for a Timeless World” (with Kristie Miller and Jonathan Tallant) *Philosophy and Phenomenological Research*, 102(2): 281–301.
- [31] (2021) “Parts of Spacetime” *American Philosophical Quarterly*, 58(4): 387–398.
- [32] (2021) “What’s So Spatial About Time Anyway?” (with Peter Evans) *British Journal for the Philosophy of Science*, 72(1): 159–183.
- [33] (2021) “Explanation Impossible” (with Mark Colyvan) *Philosophical Studies*, 178(2): 559–576.
- [34] (2020) “Presentism, Continuous Time-Travel and the Phenomenology of Passage” (with David Braddon-Mitchell) *Erkenntnis*, 87: 767–786.
- [35] (2020) “Grounding at a Distance” (with Kristie Miller and Jonathan Tallant) *Philosophical Studies*, 177: 3373–3390.
- [36] (2020) “A Counterfactual Approach to Explanation in Mathematics” (with Mark Colyvan and Ellie Ripley) *Philosophia Mathematica*, 28(1): 1–34.
- [37] (2020) “The Curious Case of Spacetime Emergence” *Philosophical Studies*, 177: 2207–2226.
- [38] (2020) “Counterfactual Scheming” *Mind*, 129(514), 535–562.
- [39] (2020) “Deflating Deflationary Truthmaking” (with Jamin Asay) *Philosophical Quarterly*, 70(278): 1–21.
- [40] (2019) “Metaphysical Explanation: the Kitcher Picture” (with James Norton) *Erkenntnis*.
- [41] (2019) “Much Ado About Aboutness” (with Br. Reginald Mary Chua, James Norton and Kristie Miller) *Inquiry*.

- [42] (2019) “It’s One Thing to Rule Them All, and Another Thing to Bind Them” (with Jonathan Tallant) *Synthese*.
- [43] (2019) “The End of Mystery” (with Mark Colyvan) *American Philosophical Quarterly*, 56(3), 247–264.
- [44] (2019) “How to Endure Presentism” *Inquiry*, 62(6): 659–673.
- [45] (2019) “Infinite Lies and Explanatory Ties” *Synthese*, 196(5): 1939–1961.
- [46] (2019) “Mathematical Explanation by Law” *British Journal for the Philosophy of Science*, 70(3): 683–717.
- [47] (2018) “A Formal Apology for Metaphysics” *Ergo*, 5(39).
- [48] (2018) “Do Not Revise Ockham’s Razor Without Necessity” (with Jonathan Tallant) *Philosophy and Phenomenological Research*, 96(3), 596–619.
- [49] (2018) “Time, Philosophy and Physics: It’s All Relative” *Philosophy Compass* 13(1): e12466.
- [50] (2017) “Back to the Unchanging Past” *Pacific Philosophical Quarterly*, 98(1), 129–147.
- [51] (2017) “Feel the Flow” *Synthese*, 194: 609–630.
- [52] (2017) “How Mathematics Can Make a Difference” (with Mark Colyvan and Ellie Ripley). *Philosopher’s Imprint*, 17(3): 1–29.
- [53] (2016) “Explaining Mathematical Explanation” *Philosophical Quarterly*, 264(1): 458–480.
- [54] (2016) “Monism: the Islands of Plurality” (with Jonathan Tallant). *Philosophy and Phenomenological Research*, 93(3): 583–606.
- [55] (2016) “Metaphysics as Fairness” *Synthese*, 193(7): 2237–2259.
- [56] (2016) “Time Enough for Explanation” (with Mark Colyvan). *Journal of Philosophy*, 113(2): 61–88.
- [57] (2015) “Mathematical Explanation and Epistemology: Please Mind the Gap” *Ratio*, 29(2): 149–167. *Ratio*.
- [58] (2015) “Tensed Truthmaker Theory” *Erkenntnis*, 80(5): 923–944.
- [59] (2015) “Temporal Experience, Temporal Passage and the Cognitive Sciences” (with John Cusbert, Matt Farr and Kristie Miller) *Philosophy Compass*, 10(8): 560–571.
- [60] (2015) “Female under-representation among philosophy majors: A map of the hypotheses and a survey of the evidence” (with Tom Dougherty (principal author) and Kristie Miller). *Feminist Philosophy Quarterly*, 1(1).
- [61] (2015) “Why is there female under-representation among philosophy majors? Evidence of pre-university effects” (with Tom Dougherty and Kristie Miller). *Ergo*, 2(14).
- [62] (2015) “Why Do Female Students Leave Philosophy? The Story From Sydney” (with Tom Dougherty (principal author) and Kristie Miller) *Hypatia*, 30(2): 467–474.
- [63] (2015) “A Bump on the Road to Presentism” *American Philosophical Quarterly*, 52(4): 345–356.
- [64] (2015) “Causation *sans* Time” (with Kristie Miller) *American Philosophical Quarterly*, 52(1), 27–40.
- [65] (2015) “What is Temporal Error Theory?” (with Kristie Miller) *Philosophical Studies*. 172(2): 2427–2444.
- [66] (2014) “The Explanatory Dispensability of Idealizations” *Synthese*. Online First. DOI: [10.1007/s11229-014-0517-z](https://doi.org/10.1007/s11229-014-0517-z).

- [67] (2014) “The Priority of the Now” *Pacific Philosophical Quarterly*. Online First. DOI: [10.1111/papq.12030](https://doi.org/10.1111/papq.12030).
- [68] (2014) “Causation in a Timeless World” (with Kristie Miller) *Synthese* 191(12): 2867–2886.
- [69] (2014) “Optimisation and Mathematical Explanation: Doing the Lévy Walk” *Synthese*, 191(3): 459–479.
- [70] (2014) “The Hard Road to Presentism” (with Jamin Asay) *Pacific Philosophical Quarterly*, 95(3): 261–420.
- [71] (2014) “Can Indispensability-Driven Platonists Be (Serious) Presentists?” *Theoria*, 80(2): 153–173.
- [72] (2014) “Animal Interrupted or Why Taking Pascal’s Wager Might be the Last Thing You Ever Do” (with Christina van Dyke) *Southern Journal of Philosophy: Spindel Supplement*, 52: 109–133.
- [73] (2014) “Groundless Truth” (with James Norton and Kristie Miller) *Inquiry* (special issue on grounding), 57(2): 175–195.
- [74] (2013) “Tensed Supervenience: a No-Go for Presentism” *Southern Journal of Philosophy*, 51(3): 383–401.
- [75] (2013) “A Truthmaker Indispensability Argument” *Synthese*. 190(12): 2413–2427.
- [76] (2013) “Talking About the Past” *Erkenntnis*, 78(3): 547–560.
- [77] (2013) “Unstable Truthmaking” (with Jamin Asay) *Thought*, 1(3): 230–238.
- [78] (2013) “Presentism, Truth and Supervenience” in *Ratio*: 26(1), 3–18.
- [79] (2013) “What is a Negative Property?” (with Richard Coltheart, Raamy Majeed and Kristie Miller) *Philosophy* 88(1): 55–79.
- [80] (2012) “Presentism and Causation Revisited” *Philosophical Papers* 41(1): 1–21.
- [81] (2010) “From Timeless Physical Theory to Timelessness” (with Peter Evans and Kristie Miller) in *Humana Mente* 13: 32–60. Translated into French and reprinted as “De la Théorie Physique Intemporelle à l’Intemporalité” *Temps* (3), 2014.

#### CHAPTERS

- [82] (forthcoming) “Disagreement and Artificial Intelligence” (with Anna Sawyer) in *Routledge Handbook of Disagreement*, Maria Baghramian, J. Adam Carter & Rach Cosker-Rowland (eds.) Routledge.
- [83] (2022) “Spacetime Quietism in Quantum Gravity” in *The Foundations of Spacetime Physics*, Vassallo, A. (ed.) Routledge, pp. 155–176.
- [84] (2020) “Purely Physical Explananda: Bistability in Perception” in *Abstract Objects: For and Against*, Falguera, José L., Martínez-Widal, Concha (eds.) (Springer)
- [85] (2015) “Et Tu, Brute?” in *The Palgrave Handbook of Philosophical Methods*, Daly, C. (ed.) (Palgrave-Macmillan)
- [86] (2015) “Our Concept of Time” (with Kristie Miller) in *Philosophy and Psychology of Time*, Mölder, B., Arstila, V., & Øhrstrøm, P. (eds.) (Springer)
- [87] (2013) “Characterising Eternalism” (with Kristie Miller) in *New Papers on the Present*, Torrenco, G., Miller, K. & Ciuni, R. (eds.) Philosophia Verlag, pp. 31–62.

## TEXTBOOKS

- [88] Baron, S. & Miller, K. (2018) *An Introduction to the Philosophy of Time* (Cambridge: Polity Press).

## BOOK NOTES/REVIEWS/CRITICAL NOTICES

- [89] (2024) Probability and the Open future. *Analysis*.
- [90] (2014) An Introduction to the Philosophy of Mathematics by Mark Colyvan. *Philosophy in Review*, 34 (1-2):72–74.
- [91] (2013) Mathematics and Scientific Representation by Chris Pincock. *Mind*, 122 (488):1167–1171.
- [92] (2013) Mathematics and Scientific Representation by Chris Pincock. *Philosophy in Review*, 33(1), 63–66.
- [93] (2011) Hard Truths by Elijah Milgrim. *The Australasian Journal of Philosophy* 89 (1), pp. 187–188.

## REFERENCE WORKS

- [94] (2018) “Timelessness” in *Routledge Encyclopedia of Philosophy Online*

## MEDIA WORK

### Media Interviews

- 2024 Guest on JOY Drive Radio, Melbourne, interview on AI.  
Guest on 2CC Radio, Canberra, interview on AI.
- 2023 Guest on ABC evening news, Melbourne, interview on AI.  
Guest on RTR FM, Perth, interview on AI.  
Guest on 2CC Radio Canberra, interview on AI.  
Guest on the Why? Podcast, UK, interview on time.  
Guest on Fraser Cain’s YouTube Channel, Canada, interview on science.
- 2022 Guest on BBC Radio Ulster, Belfast, Ireland, interview on time.  
Guest on ABC Radio Melbourne’s as part of their “Brains Trust”.  
Guest on ABC Radio Melbourne, interview on time.  
Guest on ABC Radio Queensland’s “Curious Kids” segment.
- 2021 Guest on 2SER radio Sydney, interview on physics.  
Guest on ABC Radio Queensland’s “Curious Kids” segment.  
Guest on Radio 2CC Canberra, interview on time.  
Guest on the Philosopher’s Zone, ABC Radio National, interview on mathematics.
- 2020 Guest on 2SER radio Sydney, interview on physics.

### Articles

- [1] (2024) “Can AI read our minds? Probably not, but that doesn’t mean we shouldn’t be worried” [Online](#)
- [2] (2024) “Gravity experiments on the kitchen table: why a tiny, tiny measurement may be a big leap forward for physics” [Online](#)
- [3] (2023) “How can you define a ‘drug’? Nobody really knows.” [Online](#)
- [4] (2023) “We want and we fear emotions in our robots. Here’s what science fiction can teach us about flashes of emotion from Bing.” [Online](#)

- [5] (2023) “Philosophers have studied ‘counterfactuals’ for decades. Will they help us unlock the mysteries of AI?” [Online](#)
- [6] (2023) “Are black holes time machines? Yes, but there’s a catch” [Online](#)
- [7] (2022) “Did physicists make a wormhole in the lab? Not quite, but a new experiment hints at the future of quantum simulations” [Online](#)
- [8] (2022) “A new book about 12 experiments that changed the world sidelines the role of beautiful theory in physics” [Online](#)
- [9] (2022) “In the new Disney Pixar movie Lightyear, time gets bendy. Is time real, or just science fiction?” [Online](#)
- [10] (2022) “Curious Kids: what would happen if someone moved at twice the speed of light?” [Online](#)
- [11] (2022) “Time might not exist, according to physicists and philosophers – but that’s okay.” [Online](#).
- [12] (2021) “Pythagoras’ revenge: humans didn’t invent mathematics, it’s what the world is made of” [Online](#).
- [13] (2021) “Curious Kids: What is Energy Made of?” in *The Conversation* [Online](#).
- [14] (2021) “Gun-toting robo-dogs look like a dystopian nightmare. That’s why they offer a powerful moral lesson” in *The Conversation* [Online](#).
- [15] (2021) “Is Space Infinite? We Asked 5 Experts” in *The Conversation* [Online](#).
- [16] (2021) “Curious Kids: Is Light a Wave or a Particle?” in *The Conversation* [Online](#).
- [17] (2021) “How Animals See Time” in *IAI News* [Online](#).
- [18] (2021) “New warp drive research dashes faster than light travel dreams, but reveals stranger possibilities” in *The Conversation* [Online](#).
- [19] (2021) “New physics at the Large Hadron Collider? Scientists are excited, but it’s too soon to be sure” in *The Conversation* [Online](#).
- [20] (2020) “Biden’s Pivot to Science is Welcome – Trump Only Listened to Experts When it Suited Him” in *The Conversation* [Online](#).
- [21] (2020) “Curious Kids: Could Our Entire Reality Be Part of a Simulation Created by Some Other Beings?” in *The Conversation* [Online](#).
- [22] (2020) “A New Kind of Physics?” in *The Conversation* [Online](#).

**Total Readership:** 2,830,170 readers (Source: *The Conversation* Analytics).

## Broadcasting

(2021) Producer, writer and interviewer for six episodes of ABC’s *Philosopher’s Zone*

Episode 1: Suzy Killmister [Online](#).

Episode 2: Stephanie Collins [Online](#).

Episode 3: Stephanie Rennick [Online](#).

Episode 4: Aidan Lyon [Online](#).

Episode 5: Koji Tanaka [Online](#).

Episode 6: Laura Kotveska

(2021) Producer, writer and presenter of a four radio series on Time for ABC’s *Philosopher’s Zone*

Part 1: Newton's Exploding Clock [Online](#).

Part 2: Time in Fiction [Online](#).

Part 3: Time and Perception [Online](#).

Part 4: The Insect Clock [Online](#).

(2016) Writer and Presenter of a three part radio series on death for ABC's Radio National:

Part 1: [Online](#).

Part 2: [Online](#).

Part 3: [Online](#).

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## POSTGRADUATE / GRADUATE SUPERVISION

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### CURRENT STUDENTS

(2024 – ) Aiden Meyer, PhD on ontic structural realism at Melbourne.

(2021 – ) Brigitte Everett, PhD on metaphysics of time at Sydney.

(2019 – ) Philip Pickering, PhD on locality in Everettian quantum mechanics at UWA.

### PAST STUDENTS

(2023 – 2024) Floris Eskens, PhD on spacetime emergence at ACU.

(2021 – 2023) Danny Wardle, PhD on social metaphysics at the ACU, now a PhD student at the ANU.

(2023) Jessica Pohlmann, PhD on metaphysics at the ACU, now a PhD student at Rutgers.

(2021 – 2022) Yi-Cheng Lin, MPhil on modality at the ACU, now a PhD student at the University of Toronto.

(2018 – 2020) Anna Sawyer, PhD on the ethics of artificial intelligence, now a director at Deloitte.

(2020 – 2021) Michael Baldwin, PhD on well-being. Now a permanent lecturer at Curtin University.

(2015 – 2017) James Norton, PhD on grounding. Now a permanent lecturer at the University of Tasmania.

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## SERVICE AND LEADERSHIP

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(2024–) AI Convenor (Research) for the University of Melbourne.

(2023–) Executive Member of the Australasian Association of Philosophy.

(2022–) Chair of the media committee for the Australasian Association of Philosophy.

(2023) Academic Lead for a special project on staff development for the office of the provost at the ACU.

(2022–2023) Member of senior promotions committee at ACU (University level committee for Levels D and E).

(2021–2023) Coordinator Engagement, Impact and Enterprise on the Faculty of Theology and Philosophy Standing Research Committee at ACU.

- (2021–2023) Convener of the Engagement Working Group at ACU.
- (2021–2023) Member of a grant mentoring committee across three research institutes at ACU.
- (2021–2023) Chair of the grant committee for the Dianoia Institute for Philosophy.
- (2020–2022) Chair of the Undergraduate Committee for the Australasian Association of Philosophy.
- (2017–2019) Member of the School of Humanities Research Committee at UWA.
- (2017–2019) Member of the UWA Research and Integrity Committee, serving as an advisor on authorship disputes.
- (2015, 2018) Excellence in Research Australia (ERA) Steward for Philosophy at UWA.
- (2016–2018) Selection committee member for multiple jobs at UWA in philosophy.
- (2017–2019) Committee member for the Australasian Association of Philosophy community engagement committee.
- (2019– ) Convener of the Undergraduate Committee for the Australasian Association of Philosophy.
- (2018–2021) Referee for ARC Grant Applications.
- (2018–2019) Referee for Swiss Science Foundation Grant Applications.
- (2018–2019) Referee for National Science Foundation Grant Applications (USA).
- (2018) Reviewer for ERA 2018.

## HONOURS

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- [1] Vice Chancellor’s Award for Early Career Researchers (UWA), 2016.
- [2] Faculty of Arts Teaching and Service Award for Teaching Excellence, Early Career (UWA), 2015.
- [3] Vice Chancellor’s Award for Early Career Researchers (UWA), 2014.
- [4] Lucy Firth Publication Prize in Philosophy for: “A Truthmaker Indispensability Argument” in *Synthese* (Sydney), 2011.
- [5] Lucy Firth Publication Prize in Philosophy for: “Presentism and Causation Revisited” in *Philosophical Papers* (Sydney), 2011.
- [6] Lucy Firth Publication Prize in Philosophy (jointly with Peter Evans) for: “From Timeless Physical Theory to Timelessness” in *Humana Mente* (Sydney), 2010.
- [7] Lucy Firth Meritorious Enrolee Scholarship in Philosophy (Sydney), 2008.
- [8] Andrew Donald Campbell Memorial Prize for Best Essay in Metaphysics (Sydney), 2008
- [9] Australian Postgraduate Award (Sydney) 2008.
- [10] Julius Kovesi Memorial Prize for Honours in Philosophy (UWA) 2007.

## GRANTS

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### SUCCESSFUL

- [1] (2022) 63,676,250 ISK (approx. \$720,000 AUD) from the Icelandic Research Fund (2021, with Finnur Dellsén, Insa Lawler, James Norton and Daniel Stoljar)

- [2] (2018) \$200,232.00 ARC Discovery *Examining scientific, philosophical, and folk perspectives on time.*
- [3] (2018) \$336,905.00, ARC DECRA *Timelessness in Physics and Philosophy.*
- [4] (2017) \$10,000, University of Western Australia Summer School Development Grant.
- [5] (2015) \$3000, Australian Academy of the Humanities Travelling Fellowship.
- [6] (2015) \$5000, University of Sydney conference seed fund for *The Australasian Association of Logic Conference 2–5 July 2015.*
- [7] (2014) \$20,000, University of Western Australia Research Collaboration Award for *Explanation in Metaphysics and Science: Bridging the Gap* (workshop to be held in 2015).
- [8] (2014) \$4000, University of Sydney conference seed fund for *Time and Agency* 29-30 September, 2014.
- [9] (2013) \$5000, University of Sydney conference seed fund for *Time-Symmetry: A Unified Approach* 29-30 August, 2013.
- [10] (2013) \$1000, University of Sydney travel grant scheme for the Australian Association of Philosophy Conference, 2013.

#### IN PREPARATION

- [1] “An Interventionist Approach to Explainable AI” (ARC Discovery Project) with Co-CIs Piers Howe, Kate Lynch, James Norton and Liz Sonenberg.
- [2] “New Causal Foundations for Space and Time” (ARC Future Fellowship).

#### TEACHING

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#### FULL RESPONSIBILITY (LECTURING, COORDINATION, TUTORING, DESIGN)

##### *University of Melbourne*

- [1] The Nature of Reality, 2024.
- [2] Philosophy of Mind, 2024.

##### *Australian Catholic University*

- [3] Metaphysics, 2022.
- [4] Advanced Metaphysics (Honours), 2023.

##### *University of Western Australia*

- [5] Advanced Metaphysics (Honours), 2015; 2016
- [6] Metaphysics: A User’s Guide to Time Travel, 2014; 2015; 2016
- [7] Formal Logic, 2015; 2016; 2017.
- [8] Philosophy of Science, 2014; 2015; 2016; 2017.
- [9] Communication in Practice, 2015.
- [10] Advanced Logic, 2017.

##### *University of Sydney*

- [11] Philosophy of Mathematics, 2012.
- [12] Early Modern Theories of Perception, 2012.
- [13] Philosophy of Mind, 2010.
- [14] Publishing in Philosophy Workshop (Graduate Course, with Kristie Miller), 2012.
- [15] Explanation in Science and Metaphysics (Graduate Course), 2013.

COURSES ASSISTED (TUTORING)

*Australian Catholic University*

- [1] Ethics, 2021.
- [2] Early Modern Philosophy, 2020.

*University of Sydney*

- [1] Analytical Thinking, 2010 & 2012.
- [2] Philosophy of Mathematics, 2012.
- [3] Early Modern Theories of Perception, 2012.
- [4] Reality, Time and Possibility: Metaphysics, 2011, 2010 & 2009.
- [5] Introductory Logic, 2011, 2009 & 2008.
- [6] Philosophy of Mind, 2010.
- [7] Analytical Thinking, 2010.
- [8] Reality, Ethics and Beauty, 2008.

STUDENT FEEDBACK ON TEACHING

**Table 1: Courses Taught. UG = Undergraduate, PG = Postgraduate, H = Honours**

Course	Year	Level	Responsibilities	# of Students
The Nature of Reality	2024	UG	Teaching, Design, Coordination	70
Advanced Logic	2017	UG	Teaching, Design, Coordination	31
Advanced Metaphysics	2015, 2016	H	Teaching, Design, Coordination	5, 8
Metaphysics	2014, 2015	UG	Teaching, Design, Coordination	39, 55
Formal Logic	2015, 2016, 2017	UG	Teaching, Design, Coordination	225, 641, 676
Philosophy of Science	2014, 2015, 2016	UG	Teaching, Design, Coordination	70, 100, 103
Communication in Practice	2015	UG	Teaching, Design, Coordination	350
Explanation in Science and Metaphysics	2013	PG	Teaching, Design, Coordination	8
Philosophy of Mathematics	2012	UG	Teaching, Design, Coordination	30
Early Modern Theories of Perception	2012	UG	Teaching, Design, Coordination	30
Philosophy of Mind	2010, 2024	UG	Teaching, Design, Coordination	100
Publishing in Philosophy	2012	PG	Teaching, Design, Coordination	8
Analytical Thinking	2010, 2012	UG	Teaching	300
Reality, Time and Possibility	2011, 2010, 2009	UG	Teaching	120
Introductory Logic	2011, 2009, 2008	UG	Teaching	300
Reality, Ethics and Beauty	2008	UG	Teaching	300

**Table 2: Evaluations of Teacher**

Course	Year	Average Score (Out of 4)
Formal Logic	2017	3.15
Formal Logic (summer)	2017	3.38
Advanced Logic	2017	3.79
Formal Logic	2016	3.45
Philosophy of Science	2016	3.60
Philosophy of Science	2015	3.45
Philosophy of Science	2014	3.28
Metaphysics	2014	3.35

**Table 3: Evaluations of Course**

Course	Year	Average Score (Out of 5)
Philosophy of Mind	2024	3.95
Philosophy of Science	2017	4.24
Advanced Logic	2017	4.59
Philosophy of Science	2015	4.63
Metaphysics	2014	4.43
Philosophy of Science	2014	4.44
Philosophy of Mathematics	2012	4.70
Early Modern Theories of Perception	2012	4.50
Philosophy of Mind	2010	4.32

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## PUBLIC ENGAGEMENT

- [1] (2019) Writer and creator of “Destination Day”, a short film on time travel produced by Brooke Silcox and directed by Charmaine Murray (not yet released).
- [2] (2018) TEDx Presenter, TEDx Fremantle “The End of Time” 16/09/18.
- [3] (2018) Organiser of the Philosophy Club for Mello House in Perth, Western Australia.
- [4] (2017) Guest on RTR FM in Perth for the Philosophy Salon at the Perth City Library: [Online](#)
- [5] (2017) Guest on RTR FM in Perth leading up to a public lecture on Mathematics and Aesthetics: [Online](#)
- [6] (2017) Organised a three-part series of public panels for the City of Perth Library on Philosophy.
- [7] (2017) Philosopher in Residence at Hale School in Western Australia.
- [8] (2016) Judge for High School Philosothon.

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## SELECTED INVITED PRESENTATIONS

- [1] “Methodological Disagreement” Workshop on Progress, University of Bergen, 2024.
- [2] “Fully Instrumental Metaphysics” Beyond Spacetime Workshop, University of Geneva, 2024.
- [3] “Trust, Explainability and Artificial Intelligence” NTU Center for Traditional and Scientific Metaphysics, National University of Taiwan, 2024.
- [4] “Trust, Explainability and AI” History and Philosophy of Science Colloquium, University of Melbourne, 2024.
- [5] “Explainable AI: Challenges and Opportunities” SACRU Meeting on AI, Università Sacre Cuore Milan, 2023.
- [6] “Metaphysics After Spacetime” Dalhousie University, 2023.

- [7] “Metaphysics After Spacetime” Space, Time and Location Workshop, University of Adelaide, 2023.
- [8] “Spacetime: Function and Fundament” Workshop on Mereology and Spacetime Emergence, University of Lisbon, 2023.
- [9] “Causation and Quantum Gravity” Cosmology Beyond Spacetime, University of Geneva, 2023.
- [10] “Dialethism and the A-theory” Time and Contradiction Workshop, University of Geneva, 2023.
- [11] “Causation and emergent spacetime” Workshop on clocks, University of Queensland, 2023.
- [12] “Dialethism and the A-theory” Workshop on time, University of Sydney, 2023.
- [13] “Platonism and Intra-mathematical Explanation” Department Colloquium, University of Sydney, 2022.
- [14] “Inference to the Best Contradiction?” Department Colloquium, University of Queensland, 2022.
- [15] “Approximate Spacetime Functionalism” Geneva Symmetry Group, University of Geneva, 2021.
- [16] “Spacetime: Function and Approximation” Department Colloquium, University of Adelaide, 2021.
- [17] “Grounding vs. Causation” Department Colloquium, University of Lisbon, 2019.
- [18] “Unification and Mathematical Explanation” Department Colloquium, University of Lisbon, 2019.
- [19] “Timelessness” Panel Talk at the International Association for the Philosophy of Time in Boulder, Colorado, 2019.
- [20] “The Metaphysics of Spacetime Emergence” Philosophy of Time Workshop Osaka, Osaka City University, Japan, 2018.
- [21] “The Metaphysics of Spacetime Emergence” Time and Explanation Workshop, University of Milan, Milan, 2018.
- [22] “Counterfactual Scheming” Philosophy Workshop, University of Hong Kong, Hong Kong, 2018.
- [23] “Go with the Flow” Temporal and Transformative Experience Workshop, University of Sydney, Australia, 2015.
- [24] “Time Enough for Explanation” Time Travel and Probability Workshop, University of Sydney, Australia, 2014.
- [25] “Back to the Unchanging Past” Philosophy Department, University of Wollongong, Australia, 2014.
- [26] “The Explanatory Indispensability of Idealizations” Philosophy Department, Swarthmore College, USA, 2013.
- [27] “The Explanatory Indispensability of Idealizations” Philosophy Department, University of Connecticut, USA, 2013.
- [28] “Time Enough for Explanation” Philosophy Department, University of Western Australia, Australia, 2013.
- [29] “Animal Interrupted” (with Christina van Dyke) Spindel Conference, University of Memphis, USA, 2013.
- [30] “There is No Easy Road to Presentism” Departmental Colloquium, University of Melbourne, Australia, 2013.
- [31] “Time and Mathematical Explanation” Monash Metaphysics Workshop, Monash University, Australia, 2012.

- [32] “Presentism and Endurance” Workshop in Analytical Metaphysics: Challenging Perspectives on the Ontology of Time, University of Namur, Belgium, 2012.

## REFEREEING

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Refereed at least once for the following, and usually multiple times: *Acta Analytica*, *American Philosophical Quarterly*, *Analysis*, *Analytic Philosophy*, *Australasian Journal of Philosophy*, *Biology and Philosophy*, *British Journal for the Philosophy of Science*, *Canadian Journal of Philosophy*, *Dialectica*, *Disputatio*, *Ergo*, *Erkenntnis*, *European Journal for the Philosophy of Science*, *Foundations of Science*, *Hypatia*, *Inquiry*, *Journal for the American Philosophical Association*, *Journal for General Philosophy of Science*, *Journal of Philosophical Research*, *Mind*, *Noûs*, *Oxford University Press (book manuscripts)*, *Palgrave-MacMillan (book manuscripts)*, *Philosophy Compass*, *Pacific Philosophical Quarterly*, *Philosophia*, *Philosophia Mathematica*, *Philosophies*, *Philosophical Papers*, *Philosophy of Science*, *Philosophical Studies*, *Philosophical Quarterly*, *Philosophy and Phenomenological Research*, *Ratio*, *Southern Journal of Philosophy*, *Springer (book manuscript)*, *Studies in History and Philosophy of Science*, *Synthese*, *Routledge (book manuscripts)*, *Theoria*, *Thought*, *Transactions on Interactive Intelligence*, *Wiley-Blackwell (book manuscripts)*.

## PROFESSIONAL MEMBERSHIP

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- [1] Executive Member of the Australasian Association of Philosophy.
- [2] Member of the Centre for Time at the University of Sydney.

## EDITORSHIP

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- [1] Editor for an issue of the Australasian Philosophical Review, published in 2022.
- [2] Editor at Philpapers since Jan 2012.

## ORGANIZATION COMMITTEE

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- [1] Co-organiser of the International Association for the Philosophy of Time Conference, 2023.
- [2] Program Coordinator for the Society for the Metaphysics of Science Conference, 2023.
- [3] Workshop organiser for *Causation*, 2022.
- [4] Conference organiser for *Time and Emergence*, 2019.
- [5] Conference organiser for *Explanation in Science and Metaphysics: Bridging the Gap*, 2015.
- [6] Conference organiser with Nicholas Smith for *Australasian Association of Logic*, 2015.
- [7] Convener of the University of Western Australia Philosophy Society Seminar Series, 2014–2016.
- [8] Co-convener of the University of Sydney Departmental Colloquium Series with Mark Colyvan and Dalia Nassar, 2013–2014.
- [9] Conference Organiser for *Time, Causation and Agency*, 2014.
- [10] Conference Organiser for *Time-Symmetry: A Unified Approach*, 2013.
- [11] Conference Organiser with Robert Dunn and David Braddon-Mitchell for *The Belief-Desire Workshop*, 2010.

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