

# Curriculum Vitae

## Jessica M. Wilson

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### Academic Appointments

Professor, University of Toronto Scarborough (July 2005–present; tenured 2009; promoted 2017)

William Wilhartz Assistant Professor, University of Michigan (January 2002–June 2005)

### Visiting Positions

Visiting Fellow, Université Paris 1 Panthéon-Sorbonne (March 2023)

Visiting Scholar, Department of Philosophy, University of Milan (March 2023)

Visiting Scholar, Department of Logic and Theoretical Philosophy, Universidad Complutense de Madrid (January–April 2020)

Visiting Fellow, Instituto de Investigadores Filosóficos, UNAM (April–May 2018)

Regular Distinguished Visiting Professor, Eidyn Research Centre, School of Philosophy, Psychology & Language Sciences, University of Edinburgh (3-year term: 2014–16)

Visiting Fellow, DFG Research Group “Causation and Explanation”, Department of Philosophy, University of Cologne (Spring 2013)

Visiting Fellow, Arché Centre for Metaphysics, Language, Logic and Epistemology, St. Andrews (Spring 2013)

Visiting Scholar, Logic, Language and Cognition Research Group, University of Barcelona (Spring 2009)

Visiting Fellow, Centre for Consciousness, Philosophy Program, RSSH, Australian National University (Spring 2007)

Visiting Scholar, Max Planck Institute for the History of Science, (Summer 2005)

### Education

Ph.D. in Philosophy, Cornell University (2002)

Ph.D. program in Philosophy, University of Colorado at Boulder (1994–5 AY)

B.A. in Mathematics (*Summa Cum Laude*), University of California at San Diego (1987)

## Areas of Research Interest

General metaphysics, metametaphysics, the metaphysics of science/mind, epistemology

## Fellowships and Awards

21. Tang Chun-I Visiting Professor, Chinese University of Hong Kong (Spring 2024).
20. Visiting Fellow, Université Paris 1 Panthéon-Sorbonne (March 2023).
19. University of Toronto Scarborough Research Excellence Faculty Scholar for 2022.
18. Visiting Fellow, Instituto de Investigadores Filosóficos at Universidad Nacional Autónoma de México (April–May 2018).
17. SSHRC (Social Sciences and Humanities Research Council) Grant, for project ‘How Metaphysical Dependence Works’ (March 2017–22; five year grant).
16. Recipient, Dr. Martin R. Lebowitz and Eve Lewellis Lebowitz Prize for Philosophical Achievement and Contribution (with Jonathan Schaffer). Awarded by the Phi Beta Kappa Society in conjunction with the American Philosophical Association (February 2014).
15. Regular Distinguished Visiting Professor, Eidyn Research Centre, School of Philosophy, Psychology & Language Sciences, University of Edinburgh (3 year appointment, 2013–2016).
14. Visiting Fellow, DFG Research Group ‘Causation and Explanation’, Department of Philosophy, University of Cologne (Spring 2013).
13. Visiting Fellow, Arché Centre for Metaphysics, Language, Logic and Epistemology, St. Andrews (Spring 2013).
12. Special Decanal Merit Award, University of Toronto (2022, 2021, 2020, 2019, 2017, 2015, 2013, 2011, 2010, 2009, 2008).
11. SSHRC (Social Sciences and Humanities Research Council) Grant (April 2010; three year grant).
10. Visiting Fellow, Research School of Social Sciences, Australian National University (postponed).
9. SSHRC (Social Sciences and Humanities Research Council) Grant (April 2007; three year grant).
8. Visiting Fellow, Centre for Consciousness, Research School of Social Sciences, Australian National University (Spring 2007).
7. Connaught Matching Funds Research Grant, University of Toronto (April 2006).
6. Connaught Research Grant, University of Toronto (August 2005).

5. National Science Foundation Science and Technologies Studies Professional Development Fellowship (Jan 2004–Jan 2005).
4. Rackham Summer Interdisciplinary Institute Fellow, University of Michigan (Summer 2002).
3. William Wilhartz Assistant Professor, University of Michigan (January 2002–June 2005).
2. Buttrick-Crippen Fellow, J. S. Knight Writing Program, Cornell University (AY 2000-01).
1. Sage School Fellow, Dept of Philosophy, Cornell University (AY 1995–96 and 1998–99).

## Editorships and Research Affiliations

Editor, *Nous*.

Member of Editorial Board, *Notre Dame Philosophical Reviews*.

Metaphysics Sub-editor, *Thought*.

Member of Advisory Board, Metaphysical Unity of Science project at the Department of Philosophy, University of Bristol (Tuomas Tahko, Lead Investigator).

Member of Scientific Advisory Board, project on Metaphysical Explanation at the Department of Philosophy, Linguistics and Theory of Science at the University of Gothenburg, Sweden (Anna-Sofia Maurin, PI).

President, Society for the Metaphysics of Science (2016-17).

Associate Member, AHRC research project in Metaphysics of Science (2008–10).

Organizing and Board Member, Society for the Metaphysics of Science (2007–).

## Publications

### Books

2. *Fundamentality and Metaphysical Dependence* (under contract). Oxford: Oxford University Press.
1. *Metaphysical Emergence* (2021). Oxford: Oxford University Press.

### Articles

All co-authored publications are co-equal,<sup>1</sup> with authors listed in alphabetical order.

47. ‘The Fundamentality First Approach to Metaphysical Structure’, lead article in an issue of the *Australian Journal of Philosophy*, Dana Goswick, ed.
46. Replies to eight commentators in a special issue of *Argumenta* devoted to *Metaphysical Emergence* (forthcoming).
45. ‘On the Notion of Diachronic Emergence’ (forthcoming). In *Rethinking Emergence*, Amanda Bryant and David Yates, eds.

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<sup>1</sup>One exception: Benj Hellie was primary drafter of ‘Relativized Metaphysical Modality: Index and Context’ (2020).

44. ‘Does Anti-Exceptionalism about Logic Entail that Logic is A Posteriori?’, with Stephen Biggs (2022). *Synthese* 200:1–17.
43. ‘Quantum Indeterminacy in the Multiverse’, with Claudio Calosi (2022). *Quantum Mechanics and Fundamentality*, Valia Allori, ed. Berlin: Springer: 375–396.
42. ‘In Defense of Countabilism’, with David Builes (2022). *Philosophical Studies* 179:2199–2236.
41. ‘On Mary Shepherd’s *Essay upon the Relation of Cause and Effect* (2022). *Ten Neglected Classics, Volume II*, Eric Schliesser, ed. Oxford: Oxford University Press.
40. ‘Quantum Indeterminacy and the Double-Slit Experiment’, with Claudio Calosi (2021). *Philosophical Studies* 178:3291–3317.
39. ‘Relativized Metaphysical Modality: Index and Context’ (with Benj Hellie and Adam Murray) (2020). *Routledge Handbook of Modality* (Otavio Bueno and Scott Shalkowski, eds.). London: Routledge.
38. ‘Abductive Two-Dimensionalism: A New Route to the A Priori Identification of Necessary Truths’, with Stephen Biggs (2020). *Synthese* 197:59–93.
37. ‘Comments on *Making Things Up*’ (2019); Symposium on Karen Bennett’s recent book. *Philosophy and Philosophical Research* 98:497–506.
36. ‘Abduction versus Conceiving in Modal Epistemology’ (2018), with Stephen Biggs. *Synthese* 198:2045–2076.
35. ‘Quantum Metaphysical Indeterminacy’ (2019), with Claudio Calosi. *Philosophical Studies* 176:2599–2627. Originally published online in 2018.
34. ‘Between Scientism and Abstractionism in the Metaphysics of Emergence’ (2019). *Routledge Handbook of Emergence* (Sophie Gibb, Robin Hendry, Thomas Lancaster, eds.). London: Routledge, 157–176.
33. ‘Essence and Dependence’ (2020). *Meaning, Metaphysics, and Modality: Themes from Kit Fine* (Mircea Dumitru, ed.). Oxford: Oxford University Press: 283–300.
32. ‘Grounding-based Formulations of Physicalism’ (2018). *Topoi* issue on physicalism (Andreas Elpidorou, ed.): 37:495–512.
31. ‘Must Strong Emergence Collapse?’, with Umut Baysan (2017). *Philosophica* 91:49–104.
30. ‘Three Barriers to Philosophical Progress’ (2017). *Philosophy’s Future: The Problem of Philosophical Progress*, Russell Blackford and Damien Broderick, eds. Hoboken: Wiley, 91–104.
29. ‘Are There Indeterminate States of Affairs? Yes’ (2017). *Current Controversies in Metaphysics* (Elizabeth Barnes, ed.) Taylor and Francis, 105–125.
28. ‘The Unity and Priority Arguments for Grounding’ (2016). *Scientific Composition and Metaphysical Ground*, New Directions in Philosophy of Science (Ken Aizawa and Carl Gillett, eds.). London: Palgrave, 171–204.

27. ‘Free Will and Mental Quausation’, with Sara Bernstein (2016). *Journal of the American Philosophical Association* 2:310–331.
26. ‘The A Priority of Abduction’, with Stephen Biggs (2017). *Philosophical Studies* 174:735–758.
25. ‘Carnap, the Necessary A Posteriori, and Metaphysical Nihilism’, with Stephen Biggs (2016). *Ontology After Carnap*, Stephen Blatti and Sandra Lapointe, eds. Oxford: Oxford University Press: 81–104.
24. ‘Metaphysical Emergence: Weak and Strong’ (2015). *Metaphysics in Contemporary Physics*, Poznan Studies in the Philosophy of the Sciences and the Humanities, Tomasz Bigaj and Christian Wüthrich, eds.: 251–306.
23. ‘No Work for a Theory of Grounding’ (2014). *Inquiry* 57: 535–579.
22. ‘Hume’s Dictum and the Asymmetry of Counterfactual Dependence’ (2014). *Chance and Temporal Asymmetry*, Alastair Wilson (ed.). Oxford: Oxford University Press: 258–279.
21. ‘Hume’s Dictum and Metaphysical Modality: Lewis’s Combinatorialism’ (2014). *A Companion to David Lewis*, Barry Loewer and Jonathan Schaffer (eds.). Oxford: Blackwell: 138–158.
20. ‘Three Dogmas of Metaphysical Methodology’ (2013). *Philosophical Methodology: The Armchair or the Laboratory?*, Matthew Haug (ed.) Oxford: Routledge: 145–165.
19. ‘A Determinable-based Account of Metaphysical Indeterminacy’ (2013). *Inquiry* 56: 359–385.
18. ‘Nonlinearity and Metaphysical Emergence’ (2013). *Metaphysics and Science*, Stephen Mumford and Matthew Tugby, eds. Oxford: Oxford University Press: 201–235.
17. ‘The Regress Argument Against Cartesian Skepticism’ (2012). *Analysis* 72: 668–773.
16. ‘Relativized Metaphysical Modality’ with Adam Murray (2012). *Oxford Studies in Metaphysics*, Karen Bennett and Dean Zimmerman (eds.). Oxford: Oxford University Press: 189–226.
15. ‘Fundamental Determinables’ (2012). *Philosophers’ Imprint* 12: 1–17.
14. ‘Much Ado about ‘Something’: Critical notice of David J. Chalmers, David Manley, and Ryan Wasserman (eds.), *Metametaphysics*’ (2011). *Analysis* 71:172–188.
13. ‘Non-reductive Realization and the Powers-based Subset Strategy’ (2011). *The Monist* (issue on powers) 94:121–154.
12. ‘What is Hume’s Dictum, and Why Believe It?’ (2010). *Philosophy and Phenomenological Research* 80:595–637.
11. ‘Non-reductive Physicalism and Degrees of Freedom’ (2010). *British Journal for Philosophy of Science* 61:279–311.

10. ‘From Constitutional Necessities to Causal Necessities’ (2010). In *Classifying Nature: The Semantics and Metaphysics of Natural Kinds*, Helen Beebe and Nigel Sabbarton-Leary (eds.). New York: Routledge: 192–211.
9. ‘The Causal Argument against Component Forces’ (2010). *Dialectica* 63:525–554 (metaphysics of vectors issue).
8. ‘Determination, Realization, and Mental Causation’ (2009). *Philosophical Studies* 145:149–169.
7. ‘Resemblance-based Resources for Reductive Singularism (or: How to be a Humean Singularist about Causation)’ (2009). *The Monist* (singular causation issue) 92:153–190.
6. ‘Newtonian Forces’ (2007). *British Journal for Philosophy of Science* 58:173–205.
5. ‘On Characterizing the Physical’ (2006). *Philosophical Studies* 131:61–99.
4. ‘Supervenience-based Formulations of Physicalism’ (2005). *Novus* 29:426–459.
3. ‘Causal Powers, Forces, and Superdupervenience’ (2002). *Grazer Philosophische Studien* 63:53–78.
2. ‘Could Experience Disconfirm the Propositions of Arithmetic?’ (2000). *Canadian Journal of Philosophy* 30:55–84.
1. ‘How Superduper does a Physicalist Supervenience Need to Be?’ (1999). *The Philosophical Quarterly* 49:33–52.

## Reviews

5. Kevin Morris’s *Physicalism Deconstructed: Levels of Reality and the Mind-Body Problem* (2020). *Notre Dame Philosophical Reviews*. Available at <https://ndpr.nd.edu/reviews/w/>.
4. Douglas Ehring’s *Tropes* (2020). *Mind*. Available at <https://doi.org/10.1093/mind/fzaa047>.
3. C. B. Martin’s *The Mind in Nature* (2010). *Mind* 119:503–511.
2. Gonzalo Rodriguez-Pereyra’s *Resemblance Nominalism: A Solution to the Problem of Universals* (2006). *Philosophy and Phenomenological Research* 72:241–246.
1. John Perry’s *Knowledge, Possibility, and Consciousness* (2002). *The Philosophical Review* 111:598–601.

## Encyclopedia Entries

3. ‘Determinables and Determinates’ (2022/2017). *Stanford Encyclopedia of Philosophy*.
2. ‘Causality’ (2006). *The Philosophy of Science: An Encyclopedia* 90–100.
1. ‘Force’ (Addendum to Max Black’s entry) (2006). *The Encyclopedia of Philosophy*: 690–692.

## Non-academic Publications, Podcasts, Interviews

5. Arthuria (Discord.link/Arthuria) interview (March 2022)
4. Friction (Discord.link/Friction) interview (July 2021)
3. 3:16am interview by Richard Marshall (June 2021)
2. ‘A Theory of Everything?’, podcast hosted by LSE’s *the Forum for Philosophy* (March 2021)
1. ‘The Question of Metaphysics’, *The Philosophers’ Magazine*, Summer 2016: 90–96.

## Dissertation

*Physicalism, Emergentism, and Fundamental Forces*, (2002). Cornell University. Sydney Shoemaker, dissertation chair.

## Presentations

Upcoming:; TBA, Colloquium talk at Western University (February 2024); ‘A Determinable-based Approach to Persistence through Change’, Colloquium talk at the University of Washington; Workshop on *Metaphysical Emergence*, Cali, Columbia (June 2024).

‘Abduction as the Ultimate Arbiter of Modal (and Other) Disputes’ (with Stephen Biggs), The A Priori in Miami, University of Miami (November 2023).

‘Countabilism: Means, Motives, and Implications’, ‘Discreteness and Precision in Physics’, IHPST, Paris, France (November 2023);

‘A Determinable-based Approach to Persistence through Change’, DFG Change and Changemakers workshop (October 2023).

‘Two Routes to the Emergence of Free Will’, University of Lugano (March 2023), Rutgers Conference on Free Will (May 2022).

‘Does Spacetime Emerge?’, IHPST, Université Paris 1 Panthéon-Sorbonne (March 2023).

‘The Fundamentality First Approach to Metaphysical Structure’, Tufts University (April 2023), University of Milan (March 2023).

‘Metaphysical Skepticism and Relativized Metaphysical Modality’, PhD seminar, Université Paris 1 Panthéon-Sorbonne (March 2023).

‘The Strong Emergence of Free Will’, College de France, Paris, March 2023), University of Toronto Scarborough Research Excellence Lecture (December 2022).

‘Metaphysical Skepticism, Relativized Metaphysical Modality, and A Posteriori Metaphysical Necessities’, colloquium talk at Princeton University (September 2022), presentation at CUNY seminar ‘Naming and Necessity at 50’ (October 2022).

Workshop on *Metaphysical Emergence*, Sixth Italian Conference in Analytic Metaphysics and Ontology (June 2022).

Comments on Ariel Melamedoff’s paper ‘Shepherd’s Metaphysics of Emergence’ (April 2022);

‘Quantum and Buddhist Indeterminacy’, conference on Buddhism, Physics, and Philosophy (April 2022, Center for Buddhist Studies, Berkeley); plenary talk at Sixth Italian Conference in Analytic Metaphysics and Ontology (June 2022).

‘Two Routes to (and away from) Metaphysical Skepticism’, colloquium talk at Central European University (March 2022); colloquium talk at the University of Lugano (March 2022).

‘Abduction as the Ultimate Arbiter of Essence and Modality’, Naturalized Epistemology Workshop (March 2022); Symposium on the Epistemology of Essence and Modality, Central APA (February 2022).

‘Some Thoughts on the Emergence of Spacetime’, second CHRONOS workshop (February 2021).

‘In Defense of Countabilism’, Countabilism Workshop, University of Oslo (November 2021); Bergen Philosophy of Science Workshop (November 2021).

‘Does Anti-Exceptionalism about Logic Entail that Logic is A Posteriori?’, Conference on New Work on Induction and Abduction, University of Dusseldorf (September 2021; with Stephen Biggs).

‘The Two-Dimensionalist Argument for Materialism’, workshop on Eclectic Approaches to Causation and Explanation (December 2021); Metaphysics of Consciousness Seminar, Oxford University (May 2021).

Panelist at ‘A Theory of Everything’ event, LSE’s The Forum for Philosophy (March 2021).

‘Quantum Indeterminacy in the Multiverse’, colloquium talk at Bilkent University (April 2021).

‘Manufacturing Defects’ (with Benj Hellie), 2021 Central APA Symposium, ‘Are There Metaphysical Pseudo-problems?’ (February 2021).

‘Identity and Relative Fundamentality’, London Mind Group (March 2021); Cambridge Serious Metaphysics series talk (March 2021); St. Andrews (Arché) Workshop on Metaphysics of Mind (December 2020).

Cancelled due to COVID-19: ‘The Indispensability Argument for Metaphysics’, School of Philosophy, Higher School of Economics, Moscow (March 2020); ‘The Indispensability of Metaphysics’, workshop on metaphysical methodology at Universidad Complutense de Madrid (April 2020).

‘The Indispensability Argument for Metaphysics’, *Philosophy Today* public talk at the University of Alabama (December 2019).

‘On the Notion of Diachronic Emergence’, workshop on the Foundations of Time, University of Milan (January 2020); conference on Emergence, University of Lisbon (October 2019).

‘Quantum Indeterminacy: Reply to Glick’, Dartmouth workshop on Quantum Indeterminacy (July 2019).

‘The Structure of Justification in the Theoretical Disciplines’, *Philosophy Today* faculty talk at the University of Alabama; MetaScience Project Kickoff Event, Bristol, U.K. (June 2019); Russell Conference, Healdsburg, California (May 2019).



‘Inference to the Best Explanation Across the Disciplines’, keynote for conference *Explaining Philosophy*, Wuhan University (May 2019).

‘Two-Dimensional Epistemology’, workshop on Progress in Philosophy, University of Tokyo (May 2019).

‘Counting Uncountables’, workshop on regresses, Simon Fraser University; Tom Donaldson, commentator (May 2019).

‘Abduction and Logical Anti-Exceptionalism’, IUSS-Bergen-COGITO Conference on Anti-Exceptionalism and Pluralisms (March 2019).

‘Primitivist Fundamentality’, Gail Stine Memorial Lecture, Wayne State University (March 2019); Symposium on Metaphysics, Eastern American Philosophical Association; Jennifer Wang, commentator (January 2019).

‘Causal Composition’, SWIP-Analytic, CUNY Graduate Center (November 2018).

‘Might Abduction be Epistemically Foundational?’, symposium on Inference to the Best Explanation, Central APA (February 2018).

‘Strong Emergence and the Characterization of the Fundamental’, Symposium on Emergence at the Pacific APA (March 2018); University of Florida colloquium talk (December 2017); conference on emergence at University of the Basque Country (October 2017).

‘On Characterizing the Fundamental’, Distinguished Woman Faculty Visitor talk at Purdue Philosophy Department for AY 2017-18 (March 2018); Presidential Address at the Society for the Metaphysics of Science conference (October 2017); Lewis and Clark College colloquium talk (September 2017).

‘The Semantic Defectiveness of ‘Grounding’ and ‘Consciousness’ (with Benj Hellie), La Pietra workshop on Grounding and Consciousness (August 2017); Canadian Philosophical Association (May 2017).

Course instructor, Hamburg Summer School on metaphysical dependence (July 2017).

‘The Question of Metaphysics’, ‘Free Will and Quantum Indeterminacy’, ‘How Metaphysical Dependence Works’, Walter Murray Guest Speaker, University of Saskatchewan (March 2017).

‘How Metaphysical Dependence Works’, colloquium talk at the University of Miami (March 2017); colloquium talk at Princeton University (February 2017).

‘Comments on Carl Gillett’s *Reduction and Emergence in Science and Philosophy*’, Author meets critics session at Central American Philosophical Association meeting (March 2017).

‘Fundamental Determinables in Fundamental Physics’, Philosophy of Science Association (November 2016).

Commentator on Fabio Ceravolo’s ‘Emergent Composites: A Plea for Layered, yet not Trivially Mereological Reality’, Society for the Metaphysics of Science conference, University of Geneva (September 2016).

‘How to be a Spacetime Substantivalist—or a Relationalist’, Spacetime and Fundamentality workshop, University of Neuchâtel (June 2016).

‘Essence and Dependence, Revisited’, conference on Ground, Essence, and Modality, University of Helsinki (June 2016); University of Edinburgh (June 2016).

‘Metaphysical Explanation and Metaphysical Dependence’, Structure in Metaphysics conference, Oxford University (May 2016), University of Edinburgh (May 2016).

‘The Metametaphysics of Metaphysical Emergence’, final conference of the Durham Emergence Project (April 2016)

‘Grounding-based Formulations of Physicalism’, SOFIA Conference on Metaphysical Grounding, Huatulco (January 2017); ELLMM (Epistemology, Language, Logic, Mind, and Metaphysics) group, Yale University (April 2016).

‘Quantum Metaphysical Indeterminacy’, Oxford University, Jowett Society (February 2016); 2016 Arizona Ontology Conference (January 2016); NYU workshop on the Metaphysics of Quantity (May 2015).

‘Threading the Needle between Scientism and Overabstractionism in the Metaphysics of Emergence’, keynote at the 2015 Boulder Conference on the History and Philosophy of Science, University of Colorado Boulder (October 2015).

‘The Plurality and Unity Arguments for Grounding’, colloquium talk at Syracuse University (December 2015); workshop on Grounding, University of Edinburgh (May 2015).

‘Overcoming Overabstraction in Emergence and Grounding’, keynote at conference on Emergence and Grounding, University of Glasgow (May 2015).

‘Causal Composition’, 2015 Metaphysics Workshop, Artifacts and Metaphysical Explanation, Banff Centre/University of Alberta (May 2015).

‘Causal Composition’, keynote at University of Illinois undergraduate conference (March 2015).

‘The Unity Argument for Grounding’, colloquium talk at Notre Dame University (April 2015), Workshop on Composition and Ground, Rutgers Newark (April 2015).

‘Grounding, Unity, and Causation’: Lebowitz Prize lecture (with Jonathan Schaffer), Eastern APA (December 2014); University of Tennessee (January 2015); Fordham University (February 2014); Colloquium talk at the University of Buffalo (March 2015).

‘Are There Indeterminate States of Affairs?’, PERSP Final Workshop at the University of Barcelona (Sept 2014); Midwest Metaphysics Conference (October 2014); Colloquium talk at Iowa State University (November 2014).

‘The Metaphysical Emergence of Aesthetic Objects’, workshop on Realism and Anti-realism in Aesthetics and Meta-ethics, Cambridge University (August 2014).

‘Getting up to Speed in the Metaphysics of Science, University of Cincinnati (April 2014).

‘The Metaphysical Emergence of Ordinary Objects’, Metaphysics Within and Without Physics conference, Western Ontario University (June 2014); California Metaphysics Conference, University of Southern California (January 2014); talk in Kathrin Koslicki’s metaphysics seminar (February 2014).

‘Three Dogmas of Metaphysical Methodology’, University of Cologne (June 2013).

‘On the Individuation of Levels’, University of Cincinnati (April 2014); William and Mary College (April 2014); University of Virginia (October 2013); workshop on Emergence, Stability and Parthood in Biological and Physical Systems’, University of Cologne (June 2013); workshop on Metaphysics and Mind at University of Edinburgh (May 2013).

‘No Work for a Theory of Grounding’, keynote at Louisiana Philosophy Conference, Louisiana State University (February 2014); colloquium talk at Bogazici University, Istanbul (February 2014); Virginia Tech University (October 2013); Arché, University of St. Andrews (May 2013); Centre for the Study of Mind in Nature, University of Oslo (April 2013); ‘Contemporary Work on Metaphysical Structure’ CRNAP Workshop, Princeton University (April 2013); ‘Back to the Ranch’ Arizona Ontology Conference (January 2013); Cornell Graduate Student’s Visiting Philosopher Series (May 2012); LOGOS, University of Barcelona (May 2012); colloquium talk at Ohio State University (April 2012).

‘Abductive Two-Dimensionalism: A New Route to the A Priori Identification of Necessary Truths’, Arché Meaning, Metaphysics, and Modality Group (April 2013).

‘Relativized Metaphysical Modality’, Arché Metaphysics Reading Group (April 2013).

Hume’s Dictum and Metaphysical Modality: Lewis’s Combinatorialism, talk at conference on Necessity at the University of Nebraska Lincoln (March 2013).

‘Essence, Ground, and Part: Methodology and Application in Kit Fine’s Schema-based Metaphysics’, NYU conference on Kit Fine’s philosophy (January 2013).

‘Nonlinearity and Metaphysical Emergence’, PSA symposium, San Diego (November 2012).

‘A Determinable-based Account of Metaphysical Indeterminacy’, colloquium talk at University of British Columbia (March 2013); conference on the metaphysics of relations (University of London, October 2012).

‘Metaphysical Emergence and Mental Causation’, symposium on the Metaphysics of Mental Causation, CPA (May 2012).

‘The Gap in Berkeley’s Metaphysics of Mind’, History of Modern Research Group, University of Toronto (April 2012).

‘An Object-level Account of Metaphysical Indeterminacy’, keynote address to the University of Texas Graduate Philosophy Conference (March 2012).

‘Is There Metaphysical Emergence in the Thermodynamic Limit?’, Central APA symposium on Metaphysics and Science (February 2012).

‘The Neo-natal Intensive Care Unit of Theory’ (with Benj Hellie), ANU/Harvard Symposium on Philosophical Progress (September 2011).

‘Indeterminacy in the World’, University of California San Diego (November 2011); University of Leeds AHRC Workshop on Metaphysical Indeterminacy (September 2011). Commentator on Elizabeth Barnes and Ross Cameron ‘Back to the Open Future’, Carolina Metaphysics Workshop (June 2011).

‘Two Routes to Metaphysical Emergence in the Thermodynamic Limit’: Thursday Philosophy of Science Seminar, University of Toronto (November 2011); session on Reduction, Explanation, and the Thermodynamic limit at the Boston Colloquium for Philosophy of Science (March 2011).

‘Fundamental Determinables’, keynote talk to the Society for Exact Philosophy (Winnipeg, May 2011); Metaphysics and Philosophy of Science conference (University of Toronto, May 2011); keynote address to University of West Virginia National Undergraduate Philosophy Conference (April 2011); conference on Fundamentality (ANU, June 2010; John Bigelow, commentator).

‘Relativized Metaphysical Modality’, University of North Carolina (Feb 2011); University of Miami (April 2010).

‘The Metaphysical Basis of Emergent Non-linear Phenomena’, Metaphysics of Science symposium (Central APA, February 2010).

‘The Metaphysical Basis of Weakly Emergent Phenomena’, Emergence and Reduction in the Sciences (Pitt-Paris II Workshop at University of Pittsburgh, December 12-13, 2009).

‘Non-reductive Realization and the Powers-based Subset Strategy’, Invited Speaker, Symposium on Metaphysics and Mind, Pacific APA (April 2009; with Derk Pereboom; Alyssa Ney, commentator).

‘HD and Natural Modality: Counterfactuals’: AHRC Metaphysics of Science conference (Nottingham, September 2009); Perspectives on Ontology conference, Leeds University (September 2008; Ted Sider, commentator); University of Vermont (April 2008); University of Alberta (April 2008).

‘Metaphysical Emergence: Weak and Strong’: University of Manitoba (January 2009).

‘Trope Determination and Contingent Characterization’: Bellingham Summer Philosophy Conference (August 2008; Laurie Paul and Kris McDaniel, commentators).

‘Non-reductive Physicalism and Degrees of Freedom’: MIT (November 2008); On-line Philosophy Conference (May 2006); Invited Panel on Realization and Emergence, Southern Society for Philosophy and Psychology (March 2005); University of Kentucky (February 2005); University of Toronto (January 2005); Tufts University (October 2004).

‘Determination, Realization, and Mental Causation’: AHRC Metaphysics of Science workshop at the University of Bristol (September 2008); Mellon Workshop on Mental Causation, Syracuse University (December 2007).

‘From Constitutional Necessities to Causal Necessities’: AHRC Metaphysics of Science workshop (‘Nature and Its Classification’) at Birmingham, U.K. (October 2007).

Commentator on Janice Dowell’s ‘Empirical Metaphysics: The Role of Intuitions about Possible Cases in Philosophy’, Bellingham Summer Philosophy Conference (August 2007).

‘Is Hume’s Dictum Intuitively True/Analytic/Obvious?’: University of Sydney (April 2007); Victoria University of Wellington (March 2007); The Russellian Society (April 2007); Invited Talk in Metaphysics, Eastern Division APA (December 2006).

‘De Re A Priori Physicalism’: Philosophy Program, RSSS, Australian National University (March 2007).

Commentator on Patrick McGivern’s ‘Physicalism, Competition, and Composition’, Canadian Philosophical Association (May 2006).

Commentator on Robert Howell’s ‘Emergence and Supervenience Physicalism’, Pacific APA (March 2006).

‘Hume’s Dictum’: CUNY (May 2006), Arizona Desert Ontology conference (January 2006), University of Rochester (November 2005).

‘On Characterizing the Physical’: Bowling Green Conference on Physicalism (April 2005).

Commentator on Philip Pettit's 'Physicalism Without Popout', University of Missouri Kline Conference on Physicalism (November 2004).

'The Gap in Berkeley's Metaphysics of Mind': Midwest Studies in History of Modern Conference (October 2004).

'What is it to Have a Trope?': Cornell University (December 2003), Ohio State University (February 2004).

'Causal Powers and Fundamental Interactions': Syracuse University (January 2004).

'Laws of Nature in Physics and Philosophy': Michigan Center for Theoretical Physics, University of Michigan (April 2003).

'Free Will and Mental Causation': University of Connecticut (November 2003); University of Arizona (February 2003); Davidson College (December 2002).

'Hume and the Idea of Causal Efficacy': North Carolina State University (December 2002).

'Fundamental and Mediating Forces': Invited Talk in Metaphysics, Eastern Division APA (December 2001); University of Texas at Austin (January 2001); Brown University (January 2001).

'The Many in One Problem': Bellingham Summer Philosophy Conference (August 2002); University of Colorado, Boulder (December 2001); Harvard University (November 2001).

Commentator on David Sosa's 'Free Mental Causation', Bellingham Summer Philosophy Conference (August 2001).

'Physicalism, Forces, and Causal Powers': University of California Santa Cruz (February 2001); University of Southern California (February 2001); Simon Fraser University (January 2001); University of Virginia (January 2001); University of Michigan (January 2001).

'Causal Powers, Forces, and Superdupervenience': Terence Horgan Symposium, Austro-Slovene Philosophy Conference (August 2000).

'A Metaphysical Definition of Emergence': Winner, Creighton Club (New York State Philosophical Association) Graduate Student Presentation Award (November 1999).

'How Superduper does a Physicalist Supervenience Need to Be?': North-East Cognitive Science Society Conference (November 1998).

'Functionalism as a Second-Order Regularity Theory': winner, Jentzsch Award for Best Graduate Student Paper, University of Colorado at Boulder (1995).

## Teaching

Modality, Winter 2022 (graduate seminar; with Trevor Teitel)

The Philosophy of Mary Shepherd: Winter 2022 (undergraduate seminar)

Fundamentality and Metaphysical Dependence: Winter 2021 (graduate seminar), Winter 2017 (graduate seminar)

Laws of Nature (with Michael Miller): University of Toronto, Winter 2019 (graduate seminar).

Topics in Non-Western Philosophy (Buddhism): University of Toronto Scarborough, Winter 2021, Winter 2019 (undergraduate seminar)

Metaphysics: University of Toronto Scarborough, Fall 2022, Fall 2021, Fall 2020, Fall 2018, Fall 2017, Fall 2016, Fall 2014, Winter 2010, Fall 2007, Fall 2005; University of Michigan, Winter 2003.

Philosophical Writing and Methodology: University of Toronto Scarborough, Fall 2022, Fall 2021, Fall 2020, Fall 2018, Fall 2017, Fall 2016, Fall 2014, Fall 2013, Fall 2012, Fall 2011 (undergraduate).

Varieties of Indeterminacy: University of Toronto, Winter 2018 (graduate seminar).

Non-Western Metaphysics: University of Toronto Scarborough, Winter 2020, Winter 2017 (undergraduate seminar).

Topics in Early Modern Philosophy: Empiricism (Locke, Berkeley, Hume, Shepherd): University of Toronto Scarborough, Fall 2019, Winter 2018, Winter 2015, Fall 2010, Fall 2012 (undergraduate).

Causal Approaches to Realization: Composition, and Constitution: University of Toronto, Winter 2015 (graduate seminar).

Metaphysics of Mind: University of Toronto Scarborough, Winter 2014 (undergraduate seminar).

Metaphysical Emergence: University of Toronto, Winter 2014 (graduate seminar), University of Toronto Scarborough, Fall 2013 (undergraduate seminar).

The Philosophy of Kit Fine: University of Toronto, Winter 2012 (graduate seminar).

Metaphysics of Composition: University of Toronto, Winter 2011 (graduate seminar); University of Toronto Scarborough, Winter 2012 (undergraduate seminar).

Metaphysics of Persons: University of Toronto Scarborough, Winter 2011 (undergraduate seminar).

Metaphysics of Science: Emergence and Reduction: University of Toronto Scarborough, Fall 2010 (undergraduate seminar).

Laws of Nature: University of Toronto Scarborough, Winter 2010 (undergraduate seminar).

Ph.D. proseminar (with Philip Kremer): University of Toronto, Fall 2009.

Modality and Metaphysics: University of Toronto Scarborough (undergraduate seminar), Fall 2009.

Various seminars on Hume's Dictum: University of Toronto, Fall 2006 (graduate), Winter 2006 (undergraduate), Winter 2008 (graduate).

The Philosophy of David Lewis: University of Toronto Scarborough, Fall 2007 (undergraduate seminar); University of Michigan, Fall 2002 (undergraduate).

Philosophy of Science: University of Toronto Scarborough (undergrad), Fall 2006, Fall 2005; University of Michigan, Winter 2005 (undergraduate).

Philosophy of Physics: University of Toronto Scarborough, Winter 2006 (senior seminar)

Topics in Early Modern Philosophy: Hume's Metaphysics and Epistemology: University of Toronto Scarborough, Winter 2008 (senior seminar).

Science and Reality: University of Michigan, Winter 2003 (undergraduate).

Honors Thesis Seminar: University of Michigan, Fall 2002 (undergraduate seminar).

The Nature and Existence of Properties: Univ of Michigan, Winter 2002 (graduate seminar).

Causation and Mental Causation: University of Michigan, Fall 2001 (undergraduate seminar).

Honors Intro to Philosophy: Univ of Michigan, Fall 2001 and Winter 2000 (undergraduate).

Mind, Matter and Metaphysics: Cornell University, Winter 2001 (undergraduate).

Methodology of Metaphysics: Cornell University, Winter 2000 (undergraduate).

## Graduate Thesis Supervision

Dan Rabinoff, *A Defence of Relative Identity* (defended April 2020).

Adam Murray, *Perspectives on Modal Metaphysics* (defended 2017).

Jonathan Payton, *The Metaphysics of Negative Action* (defended 2016); Sergio Tenenbaum, co-supervisor.

Luke Roelofs, *Combining Minds: A Defence of the Possibility of Experiential Combination* (defended 2014); Bill Seager, co-supervisor.

Ranpal Dosanjh, *A Defence of Reductive Physicalism* (defended 2014).

Patrick Lewtas, *Panpsychism: An Exploration and Defense* (Ph.D. thesis at the University of Michigan, defended 2007).

## Service

- Refereeing: *American Philosophical Quarterly*, *Australasian Journal of Philosophy*, *British Journal for Philosophy of Science*, *Canadian Journal of Philosophy*, *Canadian Philosophical Association*, *Dialectica*, *Ergo*, *Erkenntnis*, *European Journal for Philosophy of Science*, *European Journal of Analytic Philosophy*, *Journal of Applied Non-classical Logics*, *Journal of Philosophical Research*, *International Journal for Philosophy of Science*, *Journal of Applied Non-classical Logics*, *Metaphysics*, *Mind*, *Minds and Machines*, MIT Press, *Monist*, *Oxford Studies in Metaphysics*, *Oxford University Press*, *Philosopher's Imprint*, *Philosophia*, *Philosophical Papers*, *Philosophical Quarterly*, *Philosophical Review*, *Philosophical Studies*, *Philosophy and Phenomenological Research*, *Philosophy Compass*, *Philosophy of Science*, *Ratio*, *Society for Exact Philosophy*, *Studies in History and Philosophy of Modern Physics*, *Synthese*, *Theoria*, *Thought*, *Western Canadian Philosophical Association*.
- Local Program Chair, 5th Annual Conference for the Society for the Metaphysics of Science, taking place Nov 7-9, 2019 at Victoria College at the University of Toronto.
- Fellowship and awards refereeing: Research Grants Council of Hong Kong; National Science Foundation; Social Science and Humanities Research Council; Oxford Studies in Metaphysics Sanders Prize.

- The usual departmental and university committee work (Placement, Search, Admissions, Research Advisory Board, Academic Affairs, etc.) at both the University of Toronto and the University of Michigan.