

Neil Dewar

Curriculum Vitae

Contact

Address	Ludwig Maximilian University of Munich Munich Center for Mathematical Philosophy Geschwister-Scholl-Platz 1 Munich 80539 Germany
Telephone	00447799762727
Email	neil.dewar@lrz.uni-muenchen.de

Education and appointments

2016–	Assistant Professor in Philosophy of Physics Munich Center for Mathematical Philosophy, LMU Munich
2015–16	Procter Fellowship Princeton University
2013–16	DPhil in Philosophy University of Oxford (University College) <i>Thesis title:</i> Symmetries in Physics, Metaphysics, and Logic <i>Supervisors:</i> David Wallace, Oliver Pooley
2011–13	BPhil in Philosophy (Distinction; ranked first in cohort) University of Oxford (University College) <i>Thesis title:</i> Symmetries in Physics: A Linguistic Approach <i>Thesis supervisor:</i> David Wallace <i>Courses taken:</i> Metaphysics; The Original Authorities for the Rise of Modern Logic; Philosophy of Mathematics
2007–11	MPhysPhil in Physics and Philosophy (First class) University of Oxford (Exeter College)

Areas of interest

AOS	Philosophy of physics; philosophy of science; logic
AOC	Metaphysics; history of the exact sciences; philosophy of mathematics

Publications

- Accepted 'Supervenience, Reduction, and Translation'. Forthcoming in *Philosophy of Science* (PSA 2018 Proceedings).
- 'La Bohème'. Forthcoming in *Synthese* (special issue on the Metaphysics of Entanglement).
- 'Algebraic Structuralism'. Forthcoming in *Philosophical Studies*.
- 'Ramsey Equivalence.' Forthcoming in *Erkenntnis*.
- 'Sophistication About Symmetries.' Forthcoming in *The British Journal for the Philosophy of Science*.
- 'Interpretation and Equivalence; or, Equivalence and Interpretation.' Forthcoming in Lutz and Curiel (eds.), *The Semantics of Theories*.
- 2018 (with James Owen Weatherall.) 'On Gravitational Energy in Newtonian Theories.' *Foundations of Physics* **48**(5): 558–578.
- 'On Translating Between Logics.' *Analysis* **78**(4): 622–630.
- 'Maxwell Gravitation.' *Philosophy of Science* **85**(2): 249–270.
- 2015 'Symmetries and the Philosophy of Language.' *Studies in History and Philosophy of Modern Physics*, **52**: 317–327.

Awards, grants and prizes

- 2019 **CAS Junior Researcher in Residence**
Semester-long research stay at the Center for Advanced Studies, LMU Munich
- 2017 **German Research Foundation Scientific Networks Grant**
Grant for €36,106 to support an international network of researchers applying category-theoretic methods to philosophy of science
- 2016 **Clifton Memorial Prize**
Awarded to the best paper presented at Western University's Logic-Math-Physics Graduate Conference
- 2015 **Procter Fellowship**
One-year visiting scholarship at Princeton University
- Metaphysics of Entanglement Essay Prize**
Awarded by the Oxford Metaphysics of Entanglement Project for the best paper on the metaphysics of entanglement
- 2013 **The Gilbert Ryle Prize**
Awarded for best overall performance in the BPhil examinations
- The Hanneke Janssen Memorial Prize**
International award for the best Master's thesis in the field of History and Foundations of Physics
- Arts and Humanities Research Council Studentship**
Full scholarship to undertake DPhil
- 2011 **Arts and Humanities Research Council Studentship**
Full scholarship to undertake BPhil

Teaching

Classes	<p>Logical Approaches to Metaphysics and Philosophy of Science MCMP, Winter semester 2018</p> <p>From Kant to Quine: A Brief History of Logical Empiricism MCMP, Summer semester 2018</p> <p>Symmetries in Physics MCMP, Summer semester 2018</p> <p>Introduction to Philosophy of Physics MCMP, Winter semester 2017 and winter semester 2018</p> <p>Theory change MCMP, Winter semester 2017</p> <p>Advanced Philosophy of Physics: Quantum Mechanics MCMP, Summer semester 2017</p> <p>Inter-theoretic relations MCMP, Summer semester 2017</p> <p>Introduction to Philosophy of Physics: Space and Time MCMP, Winter semester 2016</p> <p>Logical Methods in Philosophy of Science MCMP, Winter semester 2016, winter semester 2018</p> <p>Introduction to Logic Somerville College; Michaelmas 2013</p> <p>Elements of Deductive Logic (Teaching Assistant) Various colleges; Hilary 2014</p> <p>Philosophical Logic (Teaching Assistant) Various colleges; Hilary 2015</p>
Tutorials	<p>Knowledge and Reality Oxford, 2013–2014</p> <p>Intermediate Philosophy of Physics Oxford, 2014</p> <p>Philosophy of Special Relativity Oxford, 2015</p> <p>Frege: Foundations of Arithmetic Oxford, 2014</p> <p>Philosophy of Science Oxford, 2014–2015</p> <p>Introduction to Logic Oxford, 2014</p>
Other	<p>Developing Learning and Teaching Seminar, Hilary 2014 Accredited as Associate Fellow of the Higher Education Academy, August 2014 (recognition reference number: PR072069)</p>

Presentations (selected)

Note: asterisks indicate invited talks.

- 2018 | *Supervenience, Reduction, and Translation*
Biennial Meeting of the Philosophy of Science Association
Seattle, November 2018
- Supervenience, Reduction, and Topology*
Society for the Metaphysics of Science Annual Conference
University of Milan, August 2018
- Freeing structuralism from model theory*
Objects and Properties: Generating Dialogue
University of Cambridge, June 2018
- 2017 | *Noether's theorems from the perspective of general covariance**
Spacetime: Fundamental or Emergent?
University of Bonn, October 2017
- Algebraic structuralism*
Society for the Metaphysics of Science Annual Conference
Fordham University, October 2017
- External symmetries, the dynamical approach to spacetime, and general covariance*
Thinking About Space and Time
University of Bern, September 2017
- Little local difficulties*
European Philosophy of Science Association
University of Exeter, September 2017
- On the equivalence between haecceitism and counterpart theory*
European Congress in Analytic Philosophy
Munich Center for Mathematical Philosophy, August 2017
- A categorical approach to symmetries* (with Benjamin Eva)
British Society for the Philosophy of Science Annual Meeting
University of Edinburgh, July 2017
- On Newtonian, Leibnizian, and Huygensian (but not Galilean) space**
Philosophy of Physics Graduate Lunch Seminar
University of Oxford, March 2017
- Ramsey equivalence**
Second Salzburg-Irvine-Munich Workshop on Scientific Philosophy
UC Irvine, March 2017
- Interpretation and equivalence; or, equivalence and interpretation**
Southern California Philosophy of Physics Reading Group
UC Irvine, February 2017

- Towards a metaphysics of categorical equivalence**
The Structure and Interpretation of Theories
Erasmus University Rotterdam, January 2017
- 2016 *Analytic and synthetic symmetries**
Symmetries and Symmetry Breaking in Fundamental Physics
University Paris-6, December 2016
- Maxwell-Cartan gravitation*
Foundations of Physics 2016
London School of Economics, July 2016
- What is it to interpret a theory?*
Semantics of Theories Conference
Munich Center for Mathematical Philosophy, June 2016
- How to be an anti-quidditist; or, model theory as metaphysics*
Society for Exact Philosophy Annual Conference
University of Miami, May 2016
- Maxwell-Cartan gravitation*
Fourth Irvine-Pittsburgh-Princeton (IPP) Conference on the Conceptual
and Mathematical Foundations of Physics
University of Pittsburgh, March 2016
- 2015 *Symmetry, differences, and naturalism*
British Society for the Philosophy of Science Annual Meeting
University of Manchester, July 2015
- Symmetry and interpretation; or, translations and translations**
Philosophy of Physics Research Seminar
University of Oxford, June 2015
- Symmetry, differences and naturalism*
Third IPP Conference
Princeton University, March 2015
- 2014 *The grammar of the problem of time**
Work in Progress seminar
Munich Center for Mathematical Philosophy, July 2014
- Symmetries and the philosophy of language*
Working Group on Philosophy of Physics
German Physical Society meeting, Berlin, March 2014
- Indispensability, representation, and mathematical truth*
Graduate Conference on the Philosophy of Logic and Mathematics
University of Cambridge, January 2014
- Proving the Löwenheim-Skolem and completeness theorems*
British Society for the History of Science Postgraduate Conference
University of Leeds, January 2014

Visiting positions, summer schools, etc.

- | | |
|---------|--|
| 2016–17 | Visiting researcher, UC Irvine (Department of Logic and Philosophy of Science), February 2017 |
| 2015–16 | Junior Visiting Fellow, LMU Munich (MCMP), June–July 2016 |
| 2014–15 | Black Forest Summer School on Physics and Ontology, Saig-Titisee, July 2015 |
| | Visiting Student Research Collaborator, Princeton University (Department of Philosophy), October–December 2014 |
| 2013–14 | Visiting student, LMU Munich (MCMP), June–July 2014 |
| | Spring School on Particle Physics and Philosophy, University of Wuppertal, March 2014 |
| 2012–13 | Summer Institute in the Philosophy of Cosmology, UC Santa Cruz, June–July 2013 |
| | Rotman Summer Institute in Foundations of Statistical Mechanics, Rotman Institute of Philosophy, July 2013 |
| | Black Forest Summer School on Physics and Philosophy of Time, Saig-Titisee, July 2013 |

Service and skills

Reviewing	<p><i>The British Journal for the Philosophy of Science</i></p> <p><i>Philosophy of Science</i></p> <p><i>Noûs</i></p> <p><i>Studies in History and Philosophy of Modern Physics</i></p> <p><i>Erkenntnis</i></p> <p><i>Synthese</i></p> <p><i>Thought</i></p> <p><i>Foundations of Physics</i></p> <p><i>Philosophy and Phenomenological Research</i></p> <p><i>European Studies in the Philosophy of Science</i></p>
Events	<p>Assistant organiser of conference <i>Foundational Problems of Black Holes and Gravitational Radiation</i>, MCMP, October 2018</p> <p>Organiser of workshop <i>Categorical Equivalence and Philosophy of Science</i>, MCMP, July 2018</p> <p>Co-organiser of <i>Summer School on Mathematical Philosophy for Female Students</i>, MCMP, July 2018</p> <p>Organiser of workshop <i>Foundations of Quantum Mechanics</i>, MCMP, June 2018</p> <p>Organiser of Hannover-MCMP workshop, MCMP, May 2018</p> <p>Co-organiser of conference <i>The Second Law</i>, MCMP, September 2017</p> <p>Co-organiser of workshop <i>With and Without Measure: Symmetries and Symmetry Breaking</i>, MCMP, June 2017</p> <p>Co-organiser of discussion workshop <i>Applying Physical Models</i>, MCMP, June 2017</p>
Seminars	<p>Organiser of MCMP Colloquium in Logic and Philosophy of Science (weekly colloquium with visiting speakers), 2016–present</p> <p>Organiser of MCMP work-in-progress series (weekly feedback seminar), 2016–present</p> <p>Organiser of MCMP Philosophy of Physics Reading Group (weekly reading and discussion group), 2016–present</p> <p>Co-convenor of Oxford MLE Seminar (graduate discussion seminar in Metaphysics, Language and Epistemology), 2013–2014</p> <p>Organiser of Oxford Philosophy of Physics reading group (graduate reading group in philosophy of physics), Michaelmas 2013</p>
Languages	<p>English: fluent (native)</p> <p>German: intermediate (B2)</p>