

KERRY MCKENZIE

Postdoctoral Fellow in Philosophy and Science, Rotman Institute of Philosophy, University of Western Ontario.

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COMPETENCES

Areas of Specialization: Philosophy of Science, Philosophy of Physics, Metaphysics.

Areas of Competence: Epistemology.

EDUCATION

PhD Philosophy, University of Leeds, UK. August 2012

Dissertation: *Physics Without Fundamentality: An Investigation into Anti-Fundamentalism*

about Particles and Laws in High-Energy Physics, supervised by Prof. Steven French.

MA History and Philosophy of Science, University of Leeds, UK September 2008

BA (Hons.) Philosophy and Physics, University of Oxford, UK June 2004

PUBLICATIONS

Journal Articles

‘Priority and Particle Physics: Ontic Structural Realism as a Fundamentality Thesis’, *British Journal for the Philosophy of Science*, doi:10.1093/bjps/axt017.

‘Arguing Against Fundamentality’, *Studies in History and Philosophy of Modern Physics*, Vol. 42, No. 4 (November 2011), pp. 244-255.

‘Thinking Outside the Toolbox: Toward a More Productive Engagement Between Metaphysics and Philosophy of Physics’ (co-written with Steven French), *European Journal of Analytic Philosophy*, Vol. 8, No. 2 (2012).

‘On the Fundamentality of Symmetries’, forthcoming in *Philosophy of Science* (PSA2012 Symposium Proceedings volume).

Book Chapters

‘Structure and Logic’ (co-written with Simon Saunders), forthcoming in *Physical Theory: Method and Interpretation*, ed. Lawrence Sklar, Oxford University Press.

‘In No Categorical Terms: A Sketch for an Alternative Route to Humeanism about Fundamental Laws’, forthcoming in *New Directions in the Philosophy of Science*, eds. M. C. Galavotti, S. Hartmann, M. Weber, W. Gonzalez, D. Dieks and T. Uebel; Springer.

‘How Not To Be A Humean Structuralist’, in *EPSA11: Perspectives and Foundational Problems in Philosophy of Science*, eds. V. Karakostas and D. Dieks.

Book Reviews

‘How (and How Not) to Object to Objects’, review of *Structures, Objects and Causality: Proceedings of the Banff Workshop on Structural Realism*, eds. Elaine Landry and Dean Rickles, *Metascience*, 2012, doi: 10.1007/s11016-012-9708-8.

Review of *Basic Structures of Reality: Essays in Meta-Physics* by Colin McGinn, *Mind*, doi:10.1093/mind/fzt073.

In Preparation

‘Relativities of Fundamentality’, in preparation for a special edition of *Studies in History and Philosophy of Modern Physics* on the subject of dualities, submission July 2014.

‘Bound States and the Special Composition Question’ (co-written with F.A. Muller), in preparation.

‘The Plurality of Priority’, in preparation.

Review of *Metaphysics and Science*, eds. Stephen Mumford and Matthew Tugby, in preparation for the *British Journal for the Philosophy of Science*.

FELLOWSHIPS, AWARDS AND SCHOLARSHIPS

Post-Doctoral Research Fellowship in Philosophy and Science, Rotman Institute of Philosophy (University of Western Ontario), Sept. 2013–Aug. 2014 / 2015.

Leverhulme Early Career fellowship (declined for Rotman Institute fellowship).

Post-Doctoral Research Fellowship in Logic and Philosophy of Science, University of Calgary, Jan.–Sept. 2013.

Junior Fellowship, Descartes Centre, University of Utrecht, The Netherlands: Sept.–Dec. 2012.

Royal Institute of Philosophy Jacobsen Bursary, 2011-12 (£2,500)

AHRC Research Training Support Grant, June 2011 (£420)

Nominated for Postgraduate Researcher of the Year, University of Leeds (2010)

Winner of Philosophy of Science Prize, University of Leeds (2008)

AHRC Doctoral Award, 2008-11 (full funding & fees)

AHRC Taught Masters Award 2007-8 (full funding & fees)

SELECTED PRESENTATIONS

Invited presentations:

Title TBA, Symmetry and Modality Workshop, University of Rochester, November 2014.

The Plurality of Priority, Faculty Seminar, University of Cambridge, December 2013.

Prescriptions on Priority, Southern California Philosophy of Physics Research Group, UC Irvine, November 2013.

Off the Peg or Made to Order? – Reflections on Naturalistic Metaphysics, Bay Area Philosophy of Science meeting, San Francisco State University, November 2013.

Two Puzzles about Priority, Faculty Seminar, University of Calgary, January 2013.

In No Categorical Terms: Two Alternative Routes to Humeanism, PSE-CRASSH joint workshop, University of Cambridge, December 2012.

Rethinking Outside the Toolbox, The Metametaphysical Club, Erasmus University, Rotterdam, November 2012.

Structuralism as a Priority Thesis: Past Progress and Open Questions, closing conference of the Foundations of Structuralism project, University of Bristol, September 2012.

Fundamentality Between Physics and Metaphysics: The Case of Effective Fields, Faculty Seminar, Universitat Autònoma de Barcelona, December 2011.

Between Humeanism and Nomological Essentialism: Locating Modality in Ontic Structuralism, Faculty Seminar, University of Bristol, May 2011.

Priority and Particle Physics: Structure, Dependence and Moderation in All Things, Workshop on Ontological Dependence, University of Bristol, February 2011.

Structures and Objects, Workshop on Structuralism and Objects, University of Notre Dame, Indiana, November 2010.

The Triviality Objection to Structuralism, Philosophy of Science Research Group Seminar, Ecole Normale Supérieure, Paris, June 2006.

Refereed Conference Papers:

Symmetries, objecthood, and fundamentality: cross-sectioning fundamental physics, symposium at the 2012 PSA conference (co-presented with Elena Castellani, Antigone Nounou and Christian Wüthrich).

'Humean Structuralism' about Laws, European Philosophy of Science Association Biennial Conference, Athens, October 2011.

What is this 'Humean Structuralism'?, British Society for the Philosophy of Science Conference, University of Brighton, July 2011.

The Heuristic Approach to Metaphysics, Metaphysics and the Philosophy of Science Conference, University of Toronto, May 2011.

What Should the Structuralist be Fundamentalist About?, British Society for the Philosophy of Science Conference, University College Dublin, July 2010.

Is Structuralism Anti-Fundamentalist?, presented at the Structure and Identity conference, Bristol, July 2010.

Arguing Against Fundamentality, British Society for the Philosophy of Science Conference, University of East Anglia, July 2009.

TEACHING EXPERIENCE

GRADUATE LEVEL

PHYSICS AND THE METAPHYSICS OF FUNDAMENTALITY, Graduate and Advanced Undergraduate Seminar, University of Calgary, Canada (Summer 2013).

UNDERGRADUATE LEVEL

Lecturing:

THE PHILOSOPHY OF SEX AND GENDER, University of Western Ontario (in preparation for Winter 2014).

SCIENCE AND PHILOSOPHY, University of Calgary, Canada (Winter 2013).
Series of 35 lectures on philosophy of science topics delivered to second-year students.

TOPICS IN EPISTEMOLOGY: THEORY AND EVIDENCE, University of Leeds, UK (Winter 2012).
Series of 16 lectures on inductive methods and probability delivered to second-year students.

Tutoring: upper-level.

REALISM AND ANTI-REALISM (Semester 1, 2009-10 and 2010-11);

HOW SCIENCE EXPLAINS THE WORLD (Semester 1, 2009-10);

LAWS OF NATURE, CAUSATION AND EXPLANATION (Semester 1, 2010-11);

PHILOSOPHY OF PSYCHOLOGY (Semester 2, 2008-09; 2nd year psychologists).

Tutoring: first-year.

INTRODUCTION TO POLITICAL PHILOSOPHY (Semester 1, 2011-12);

INTRODUCTION TO PHILOSOPHY (Semester 1, 2007-08 and 2008-09);

INTRODUCTION TO ETHICS (Semester 1, 2007-08 and 2008-09);

INTRODUCTION TO THE HISTORY OF PHILOSOPHY (Semester 2, 2007-08);

PHILOSOPHY OF MIND (Semester 2, 2007-08);

HOW SCIENCE WORKS (Semester 2, 2008-09 and 2010-11)

Tutoring: Medical Ethics (taught in Faculty of Medicine):

MEDICAL ETHICS (Semesters 12, 2010-11 and 2011-12; 1st, 2nd, 3rd and 4th -year medics);

CAMPUS TO CLINIC (Semesters 1 and 2, 2010-11 and 2011-12; 1st year medics).

LIFE CYCLE (Semesters 1 2, 2010-11 and 2011-12; 4th year medics.)

ACADEMIC-RELATED SERVICE

Philosophical Consultant on Templeton Foundation-funded project ‘Cognitive Astrophysics: Asking the Hardest Questions’, based at Carnegie Observatories, Los Angeles (information may be found here: <http://www.newfrontiersinastronomy.org/research-grant-program-winners.html>).

Referee for *Australasian Journal of Philosophy*, *The British Journal for the Philosophy of Science*, *Dialectica*, *Erkenntnis*, *International Studies in Philosophy of Science*, *Philosophy of Science*, *Polish Journal of Philosophy* and *Synthese*.

Co-organizer of Structures and Objects workshop, University of Leeds, August 2012.

Co-organizer of Leeds Centre for Metaphysics and Mind Graduate Conference, August 2011.

Copyeditor for Springer Publishing, and *Spontaneous Generations*, an HPS publication of the University of Toronto.

Presenter at Café Scientifique, a public outreach project on topics in contemporary science.

Facilitator with ‘Thinking Space’, an organization dedicated to teaching high school educators strategies for philosophical discussion in the classroom.

Organizer of 3 public lectures on philosophy of physics in Edinburgh, Scotland, 2005.

Co-instigator of Salon Philosophique, a philosophy discussion group in Edinburgh.

Student Representative for Philosophy and Physics to the University of Oxford, 2003-4.

REFEREES

Prof. Steven French, University of Leeds	Doctoral Supervisor Email: S.R.D.French@leeds.ac.uk Tel. +44 (0)113 343 3279
Prof. James Ladyman, University of Bristol	Head of Department, University of Bristol Email: james.ladyman@bristol.ac.uk Tel. +44 (0)117 9287609
Dr. Juha Saatsi, University of Leeds	MA course director Email: J.T.Saatsi@leeds.ac.uk Tel. +44 (0)113 343 3383
Prof. Mark Migotti, University of Calgary	Associate Professor Email migotti@ucalgary.ca Tel. +1 403 220 5534
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PERSONAL INFORMATION

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