

# Benedict Eastaugh

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## AREAS OF RESEARCH SPECIALISATION

Logic, philosophy of mathematics.

## AREAS OF TEACHING COMPETENCE

Philosophy of language, philosophy of logic, history of logic.

## APPOINTMENTS

2017– Postdoctoral fellow, Munich Center for Mathematical Philosophy, LMU Munich.

2015– Postdoctoral researcher, Department of Philosophy, University of Aberdeen, and School of Mathematics, University of Bristol, on the Leverhulme Trust-funded project “Set Theoretic Pluralism” (principal investigators: Toby Meadows and Philip Welch).

Project and appointment transferred from Aberdeen to Bristol in June 2016 due to change of principal investigator.

## EDUCATION

2015 PhD Philosophy, University of Bristol.

2011 MA Logic and Philosophy of Mathematics, University of Bristol.

2007 BA Philosophy, University of Bristol.

## PUBLICATIONS

2017 Tarski. In A. Malpass and M. Antonutti Marfori (eds.), *The History of Philosophical and Formal Logic: From Aristotle to Tarski* (pp. 293–313). London: Bloomsbury Academic, 2017.

## SUBMITTED

- Set existence principles and closure conditions.
- Computational reverse mathematics and foundational analysis.

## BOOK REVIEWS

2017 Review of Denis R. Hirschfeldt, *Slicing the Truth: On the Computability Theoretic and Reverse Mathematical Analysis of Combinatorial Principles*. *Studia Logica* 105(4):873–879, 2017. DOI: 10.1007/s11225-017-9740-1

## IN PREPARATION

- Reverse Mathematics. To appear in the Stanford Encyclopedia of Philosophy.

**SCHOLARSHIPS**

- 2012 Asian Initiative for Infinity Graduate Summer School scholarship,  
National University of Singapore, 20 June–17 July, 2012.
- 2011 Doctoral studentship (fees and full maintenance grant) at the University of Bristol,  
Arts and Humanities Research Council, 2011–2014.

**TALKS****Invited conference and workshop talks**

- 2017 ‘Does nonclassical truth impair mathematical reasoning?’.  
C-ALPHA workshop on logic and philosophy of mathematics, UC Irvine, 9 December 2017.
- 2017 ‘On the significance of reverse mathematics’.  
Fourth Symposium on the Foundations of Mathematics,  
Munich Center for Mathematical Philosophy, 9–11 October 2017.
- 2017 ‘Formalisation and coding overhead’.  
Fourth New College Logic Meeting, University of Oxford, 11 March 2017.
- 2015 ‘Ontological commitment and reverse mathematics’.  
Davis–Paris workshop on ontological commitment in mathematics,  
IHPST, Paris, 14 December 2015.
- 2014 ‘Reversals and closure’.  
Philosophy of Mathematics Workshop, KU Leuven, 13 February 2014.

**Invited seminar and colloquium talks**

- 2017 ‘Unravelling the standard view of reverse mathematics’.  
Munich Center for Mathematical Philosophy, 19 January 2017.
- 2016 ‘Formal and informal equivalences in real analysis’.  
Midlands Logic Seminar, University of Birmingham, 25 February 2016.
- 2014 ‘Reversals and closure’.  
Munich Center for Mathematical Philosophy, 12 June 2014.
- 2014 ‘Computational reverse mathematics and foundational analysis’.  
Midlands Logic Seminar, University of Birmingham, 4 March 2014.

**Contributed talks (refereed)**

- 2017 ‘A deflationary account of the significance of reversals’.  
European Congress on Analytic Philosophy 9, LMU Munich, 21–26 August 2017.
- 2015 ‘What is ordinary mathematics?’. With Marianna Antonutti Marfori.  
French Philosophy of Mathematics Workshop 2015, IHPST, Paris, 6 November 2015.
- 2015 ‘Three kinds of mathematical naturalness’.  
Logic Colloquium 2015, University of Helsinki, 5 August 2015.
- 2015 ‘Set existence principles in reverse mathematics’.  
CLMPS 2015, University of Helsinki, 7 August 2015.
- 2015 ‘The concept of a set existence principle’.  
Second Symposium on the Foundations of Mathematics, University of London, 14 January 2015.
- 2014 ‘Computational reverse mathematics and foundational analysis’.  
Logic Colloquium 2014, Vienna Summer of Logic, TU Wien, 14 July 2014.

- 2013 ‘The complexity of computable entailment’.  
PhDs in Logic V, Munich Center for Mathematical Philosophy, 8 April 2013.
- 2012 ‘Shore’s computational reverse mathematics’.  
Philosophy and Computation workshop, Lund University, 13 May 2012.

### Local invited talks

- 2018 Formal methods in philosophy: Truth, paradox, and mathematics,  
Munich Center for Mathematical Philosophy, 4–6 June 2018.
- 2017 ‘Mathematical equivalences and the road to formalisation’.  
Foundational Studies Bristol, University of Bristol, 2 February 2017.
- 2014 ‘Computational reverse mathematics and foundational analysis’.  
Bristol–Oxford Postgraduate Workshop in Logic and Philosophy of Mathematics,  
University of Bristol, 1 February 2014.
- 2013 ‘Mathematical content: a reverse mathematical perspective’.  
Bristol–Kyoto Workshop on Logic, Philosophy of Mathematics and Philosophy of Science, Uni-  
versity of Bristol, 15 September 2013.
- 2013 ‘Meanings and reversals’.  
Bristol–Munich Workshop 2013, University of Bristol, 20 July 2013.
- 2013 ‘The life and work of Alfred Tarski’.  
History of Logic lecture series, University of Bristol, 1 March 2013.
- 2013 ‘What do reversals track? Set existence and its rivals’.  
Bristol–Princeton Postgraduate Conference in Logic and Philosophy of Mathematics,  
University of Bristol, 23 February 2013.
- 2012 ‘Reverse mathematics: computation and foundations’.  
Logic and Set Theory Seminar, School of Mathematics, University of Bristol, 13 December 2012.

## TEACHING EXPERIENCE

### Undergraduate teaching experience

- Philosophy of Language. Teaching assistant, University of Bristol (2014).
- Introduction to Philosophy. Teaching assistant, University of Bristol (2014).
- Introduction to Formal Logic. Teaching assistant, University of Bristol (2012, 2013, 2014).
- Mathematical Logic. Teaching assistant, University of Bristol (2012).
- Introduction to Metaphysics. Guest lecturer (“Natural Kinds”), University of Bristol (2014).
- Paradoxes. Guest lecturer (“Zeno’s Paradoxes”), University of Bristol (2013).
- Philosophy of Mathematics. Guest lecturer (“Structuralism”), University of Bristol (2013).
- Philosophical Logic. Guest lecturer (“Indicative Conditionals”), University of Bristol (2013).

### Postgraduate teaching experience

- Descriptive Set Theory. Instructor, University of Bristol (2013).
- Model Theory. Instructor, University of Bristol (2011).
- Determinacy Seminar. Guest lecturer (“ $V \neq L$ ”, “Extenders”), University of Bristol (2012, 2013).
- Formal Methods. Guest lecturer (“Metatheory of First-Order Logic”), University of Bristol (2012).

### **CONFERENCE ORGANISATION**

- 2017 Set Theoretic Pluralism Symposium 2. University of Bristol, June 2017. Co-organised with Toby Meadows and Philip Welch.
- 2016 Set Theoretic Pluralism Symposium 1. University of Aberdeen, July 2016. Co-organised with Toby Meadows.
- 2013 Bristol–Princeton Postgraduate Conference in Philosophy of Logic and Mathematics. University of Bristol, February 2013. Co-organised with Philip Welch.

### **SERVICE TO THE PROFESSION**

Referee: *Kriterion*, *Notre Dame Journal of Formal Logic*, *The Review of Symbolic Logic*, *Theoria*.

Creator: Philosophy of Mathematics PhD Programs Wiki ([philmath.net](http://philmath.net)).

### **PROFESSIONAL AFFILIATIONS**

Association for Symbolic Logic.

Association for the Philosophy of Mathematical Practice.