

Address: Cotham House, Dep. of Philosophy, University of Bristol
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EMPLOYMENT

Post-Doctoral Research Associate at the ERC funded research project 'The Metaphysical Unity of Science', University of Bristol June 2019-present

EDUCATION

PhD in Philosophy of Science, University of Bristol 2014- 2019
 Thesis title: 'A Philosophical Analysis of the Relation between Chemistry and Quantum Mechanics: the case of a single inert molecule'
 Supervisor: James Ladyman
 Examiners: Samir Okasha, Robin Hendry

MSc Philosophy of Science, LSE 2012- 2013
 Courses: Rationality & Choice (67), Set Theory & Logic (87), Philosophy of Science (66)
 Dissertation: 'On the universality and ambiguity of the 2nd law of thermodynamics' (65)

MEng Chemical Engineering, National Technical University of Athens 2006- 2012
 Grade: GPA 2:1 (7.66/10)
 Dissertation: 'Energy-saving measures on buildings: Financial and Cost-Benefit Analysis' (10/10)

RESEARCH INTERESTS

Philosophy of Science: Inter-theory relations, Models & Idealisations, Theories of Reference, Scientific Realism
 History and Philosophy of Chemistry

PUBLICATIONS

- 1 'Reduction and Emergence in Chemistry', article in the *Internet Encyclopedia of Philosophy*, <https://www.iep.utm.edu/red-chem/>, 2019
- 2 'The role of idealisations in describing an isolated molecule', *Foundations of Chemistry*, 2017: 1-15
- 3 'Referring to chemical elements and compounds: Colourless airs in late eighteenth century chemical practice', co-written with James Ladyman and Geoffrey Blumenthal, In *What is a Chemical Element- A Collection of Essays by Chemists, Philosophers, Historians, and Educators*, ed. by Eric Scerri and Elena Ghibaudi (Oxford University Press) 2018
- 4 'An alternative approach to unifying chemistry with quantum mechanics', *Foundations of Chemistry*, 19:3, 209–222, 2017
- 5 'Essays in the Philosophy of Chemistry', *International Studies in the Philosophy of Science*, 30:4, 415-417, 2016

CONFERENCES

ADHOC Association for the Discussion of the History of Chemistry, University of Cambridge 2020
 Invited Talk: The Chemical Bond as a Real Pattern

FraMEPhys-MetaScience Workshop, Oxford 2019
 Invited Talk: The Chemical Bond as a Real Pattern

IV POND Conference: Science and Objectivity, University of Barcelona 2019
 Invited Talk: The role of idealisations in describing an isolated molecule

7th Biennial European Philosophy of Science Association (EPSA) Conference, University of Geneva Symposium on Structure and Composition in Chemistry/ Talk: The Chemical Bond as a Real Pattern	2019
British Society for the Philosophy of Science 2019 Annual (BSPS) Conference, Durham University Symposium on Structure and Composition in Chemistry/ Talk: The Chemical Bond as a Real Pattern	2019
23rd Conference of the International Society for the Philosophy of Chemistry, University of Torino The Chemical Bond as a Real Pattern	2019
Emergence: conceptual and philosophical aspects', Dutch Institute for Emergent Phenomena Strong emergence in Chemistry	2019
PHASE-chimie Philosophie, Histoire, Anthropologie, Sociologie et Epistémologie de la Chimie University Paris 7 Invited talk: The Chemical Bond as a Real Pattern	2019
Formal Methods and Science in Philosophy III, Inter-University Centre Dubrovnik The Chemical Bond as a Real Pattern	2019
XX Taller d'Investigació en Filosofia, University of Valencia The role of idealisations in describing an isolated molecule	2019
5th Panhellenic Conference in Philosophy of Science, University of Athens The role of idealisation in describing a single molecule	2018
PSA2018: The 26th Biennial Meeting of the Philosophy of Science Association, Seattle Referring to chemical elements and compounds: Colourless airs in late eighteenth century chemical practice (with James Ladyman & Geoffrey Blumenthal)	2018
Real Patterns Workshop, University of Bristol Invited Talk: Real Patterns in Chemistry	2018
International Society for the Philosophy of Chemistry Conference, University of Bristol The role of idealisations in describing a single molecule	2018
Structure, Mechanism and Explanation in the Sciences, Durham University Invited Talk: The role of idealisations in describing the stability and structure of a single molecule	2018
Association for the Discussion of the History of Chemistry, HPS, University of Cambridge Invited Talk: Integrating History and Philosophy of Chemistry	2018
Ninth European Congress of Analytic Philosophy, LMU Realism about the special sciences	2017
International Society for the Philosophy of Chemistry Conference, Paris Downwards causation and molecular structure	2017
International IHPS Forum Leeds, University of Leeds Examining the integration of history to the philosophy of chemistry	2017
Second London Philosophy of Science Graduate Conference, UCL Unifying Chemistry with Quantum Mechanics	2016
International Society for the Philosophy of Chemistry Conference, Florida Unifying Chemistry with Quantum Mechanics	2016
Philosophy of Science in a Forest (PSF 2016), Kaap Doorn, The Netherlands Unifying Chemistry with Quantum Mechanics- Kincaid's non-reductive unity of the sciences	2016
Workshop in the History and Philosophy of Chemistry, University of Bristol Unifying Chemistry with Quantum Mechanics- Kincaid's non-reductive unity of the sciences	2016

TEACHING

Hourly-paid Teacher, University of Bristol	2015- 2020
1. Introduction to Philosophy A (Descartes, Hume, theory of knowledge)	
2. Introduction to Metaphysics	
3. Realism and Normativity (metaphysics and value theory)	
4. Introduction to Philosophy B (moral and political philosophy)	
5. Philosophical Foundations of the Physical Sciences (quantum mechanics and special relativity)	

OTHER ACTIVITIES

Reviewer for <i>Perspectives on Science, Foundations of Chemistry, Studies in History and Philosophy of Modern Physics, Synthèse, Journal of Chemical Education</i>	
Co-creator and contributor to the Blog "Jargonium"	2020
Co-host of the International Society for the Philosophy of Chemistry Annual Conference, Bristol	2018
Organised with J.Ladyman the Workshop on the History and Philosophy of Chemistry, Dep. of Philosophy, University of Bristol	2016
Assistant content producer of the Centre of Science and Philosophy Website, University of Bristol	2015

GRANTS/FUNDS

PSA2018 Travel Grant, Philosophy of Science Association, USA	2018
Jacobsen Studentship, The Royal Institute of Philosophy	2017- 2018
Darwin Trust of Edinburgh Postgraduate Studentship	2014- 2017

PRESS

Pod Cast Interview in Physics World	2020
'From quarks to quails – can the different sciences be unified?', article in theconversation.com	2020
'The philosophy of chemistry ... and what it can tell us about life, the universe and everything', article in theconversation.com	2016

ACADEMIC POSITIONS

Honorary Research Fellow, Department of Philosophy, University of Manchester	Feb. 2019- present
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