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Areas of

Specialisation Philosophy of science, Philosophy of biology

Areas of

Competence Critical thinking, Formal logic, Bioethics, Epistemology

Education

(September 2005 - 2011) Doctoral Candidate in Philosophy, Australian National University, Canberra.

Full draft awaiting final comments from supervisors. Projected submission date: December 2011

Topic: Generality and the limits of model-based science

Supervisors: Kim Sterelny, Peter Godfrey-Smith, Alan Hájek

2004 Bachelor of Arts (Hons 1st class), Philosophy, Victoria University of Wellington

1999 Bachelor in Clinical Medicine and Surgery, (MBCHB) Otago University

1999 Bachelor of Arts, Philosophy, Otago University

Publications: Academic

2011 "Mechanistic models of population phenomena", *Biology and Philosophy*, Volume 23, Pages 737 - 756 (With Brett Calcott)

2011 "Trade-offs in model building: a target-oriented approach", *Studies in History and Philosophy of Science*, Volume 42, Pages 324 - 333 [Special issue on Model-Based Representation in Scientific Practice.]

2009 "The structure of trade-offs in model building", *Synthese*, Volume 170, Pages 169 - 190 (With Michael Weisberg)

2007 Book review of *Ecological Orbits* by Lev Ginzberg and Mark Colyvan, *Australasian Journal of Philosophy*, Volume 85, Pages 697 - 700

Publications: Popular

2009 "What's Venom's poison?" in *Supervillains and Philosophy*, Open Court popular culture and philosophy series. (With David Wall)

Employment: Academic

2011 Lecturer, Victoria University Wellington

2009 Teaching Fellow (Lecturer), University of Otago

2006 Lecturer, Victoria University Wellington

2008-2010 Various short-term lecturing positions (less than three weeks), Victoria University

Courses Lectured

PHIL 405 Philosophy of Biology (Otago)

PHIL 225/325 Philosophy of Science (Otago)

PHIL 208/308 Philosophy of Science (Victoria)

ECOL 212 Ecological Applications: critical thinking module (Otago)

PHIL 111 and PHIL 211 Logic (Victoria)

PHIL 104 Argument and Analysis (Victoria)

Employment: Medical

2004-2005 Research Assistant, Massey University Sleep/Wake Centre

1999-2004 Medical Doctor: Wellington Regional Hospitals, New Zealand

Scholarships and Awards	<p>2011 ISHPSSB Travel Grant 2007 & 2011 ANU VC Conference Grant 2005-2009 ANU Endowment for Excellence Graduate Scholarship 2005 J L Stewart Scholarship (Victoria) 2005 Victoria Postgraduate Scholarship (Master's level) 2004 Victoria Graduate Award 1998 Distinction, Medical Skills and Knowledge (Otago) 1996 Pavel Tichy prize for best student in logic (Otago)</p>
Selected Presentations: Philosophy	<p>2011 "α" International Society for History, Philosophy, and Social Studies of Biology biennial conference (ISHPSSB), University of Utah USA, and Australasian Association of Philosophy (AAP) meeting, University of Otago New Zealand 2010 "Comments on cohesion" [Invited speaker] Symposium on <i>Depth</i> by Michael Strevens, AAP New Zealand meeting, The University of Waikato 2010 "α" PBDB 4 workshop, NSW Australia 2010 "Why the debate over model ontology is largely verbal" [Invited speaker] Surrogate reasoning in philosophy and science conference, The Australian National University (ANU) 2009 "What is explanatory generality?" AAP New Zealand meeting, Massey University 2009 "Tidying up generality" RSSS Philosophical Society (PhilSoc) seminar, ANU, and Victoria University of Wellington philosophy department seminar series 2008 "The heterogeneity of biological systems" AAP New Zealand meeting, Christchurch 2008 "Trade-offs in model building: A more target-oriented approach" [Invited speaker], Model-Based Representation in Scientific Practice workshop, National University of Singapore 2008 "Types of generality" AAP, Melbourne 2007 "Trade-offs and explanation" RSSS PhilSoc seminar, ANU 2007 "Modelling trade-offs and scientific explanation" ISHPSSB, University of Exeter UK 2007 "Model trade-offs: Motivating the issues" Tempo and Mode Seminar series, ANU 2006 "Model mechanisms" (With Brett Calcott) AAP New Zealand meeting, Victoria University of Wellington 2006 "Trading generalities" AAP, ANU 2005 "A puzzle about generality" AAP New Zealand meeting, University of Otago</p>
Selected Presentations: Medical	<p>2005 "Factors affecting access to services for the assessment of sleep apnoea symptoms in taxi drivers" (Co-Author with Firestone, R. T. & Gander, P. H.) Poster Presentation to the Associated Professional Sleep Societies, Denver, CO 2003 "Young stroke: Causes and diagnosis", Hutt Hospital Wellington NZ</p>
Professional Service	<p>Referee for <i>Philosophy of Science</i> Referee for <i>Synthese</i> Referee for <i>Biology and Philosophy</i> 2008 Convener, Tempo and Mode series B seminars, ANU 2007 Project grant assessor for the Australian National Medical Research Council 2007 Convener, PhilSoc departmental seminar series, RSSS, ANU 2007 Founder and convener, Explanation reading group, ANU 2006 Organiser, Australasian Postgraduate Philosophy of Biology Conference, Kioloa Campus</p>
Professional Affiliations	<p>Current member of the Australasian Association of Philosophy Current member of the International Society for History, Philosophy, and Social Studies of Biology Current member of the Tempo and Mode Centre for Studies in Macroevolution and Macroecology, ANU</p>