

## CV Karola Stotz, 2015

### A. Qualifications and employment history (past ten years)

- PhD in Philosophy 1999, University of Ghent (Belgium)
- Magister Artium in Biology and Social Sciences, 1993, University of Mainz (Germany)
- 2014- Templeton World Charity Foundation Research Fellow, Senior Lecturer, Macquarie University, Department of Philosophy
- 2013 Bridging Support Fellow University of Sydney, Department of Philosophy
- 2008-12 ARC Australian Research Fellow, University of Sydney, Department of Philosophy
- 2005-2007 Research Fellow, Indiana University Bloomington, Cognitive Science Program
- 2002-2005 Research Associate, University of Pittsburgh, Department of History and Philosophy of Science
- 2000-2001 Visiting Scholar, University of Pittsburgh, Center for Philosophy of Science
- 1999-2000 Research Fellow, Unit for History and Philosophy of Science, University of Sydney
- 1997-1998 Postgraduate Fellow, University of Ghent (Belgium), Department of Philosophy
- 1993-96 Postgraduate Research Fellow, Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria

### B. Refereed publications

#### Scholarly Books

- Stotz, K. and P.E. Griffiths. 2013. *Genetics and Philosophy: An Introduction*. Cambridge Studies in Philosophy and Biology. Cambridge University Press
- Stotz, K. In preparation. *Developmental Niche Construction: a unified framework for extended inheritance*.

#### Edited Volumes

- Stotz, K. Ed. 2009. Philosophy in the Trenches: From Naturalized Philosophy to Experimental Philosophy (of Science). Minisymposium. Studies in History and Philosophy of Science A 40 (2).
- Stotz, K. and C. Allen. Eds., 2008. Reconciling Nature and Nurture in the Study of Behavior. Special Issue, Philosophical Psychology 21 (3).

- Stotz, K. Ed. 2004. Genes, Genomes and Genetic Elements. Special Issue, History and Philosophy of the Life Sciences 26 (1).

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### Scholarly Book Chapters

- Stotz, K. 2014. "Die Entwicklungsnische als Integrationsrahmen erweiterter Vererbungssysteme." In: *Kulturelle Faktoren der Vererbung: Interdisziplinärer Sammelband zur Epigenetik*. Eds. V. Lux and J. T. Richter. Berlin: De Gruyter, 209-220.
- Griffiths, P. E., and K. Stotz. 2014. 'Conceptual Barriers to Interdisciplinary Communication: When does ambiguity matter?' In *Enhancing Interdisciplinary Communication*, edited by Michael O'Rourke, Stephen J. Crowley, Sanford D. Eigenbrode and J. D. Wulfhorst. Thousand Oaks, CA: Sage Publications, 195-215
- Stotz, K. and C. Allen. 2012. 'From cell-surface receptors to higher learning: a whole world of experience'. In: *Philosophy of Behavioral Biology*, eds, Katie Plaisance and Thomas Reydon. Boston: Springer, 85-123.
- Griffiths, P.E. and K. Stotz. 2007. 'Gene'. In: *Cambridge Companion to the Philosophy of Biology*, eds. David Hull and Michael Ruse. Cambridge: Cambridge University Press.
- Stotz, K. 2005. Organismen als Entwicklungssysteme. In: U. Krohs and G. Toepfer, eds., *Philosophie der Biologie. Eine Einführung*. Frankfurt/Main, Suhrkamp, 125-143
- Stotz, K. 2005. Positionen der evolutionären Entwicklungsbiologie. In: U. Krohs and G. Toepfer, eds., *Philosophie der Biologie. Eine Einführung*. Frankfurt, Suhrkamp, 338-356.
- Stotz, K. and P. E. Griffiths. 2002. 'Dancing in the Dark: Evolutionary Psychology and the Argument from Design'. In: F. Rauscher and S. Scher, eds., *Evolutionary Psychology: Alternative Approaches*. Dordrecht: Kluwer, 135-160
- Stotz, K. 1996. 'Wechselbezüge zwischen EE und Ethnologie'. In R. Riedl M. Delpos, *Die Evolutionäre Erkenntnistheorie im Spiegel der Wissenschaften*, 110—127.

### Journal Articles

- Stotz K, and PE Griffiths (Submitted) What makes Causal Relationships Informational in Biology? Submitted to *Biology & Philosophy*
- Pocheville A, PE Griffiths, and K Stotz (Submitted) Causal specificity, Invariance and Stability - an information-theoretic approach. Submitted to *Philosophy of Science*.
- Griffiths PE, A Pocheville, B Calcott, K Stotz, H Kim, and R Knight (Forthcoming). 'Measuring causal specificity'. Submitted to *Philosophy of Science*. Conditionally accepted Jan 4, 2015
- Stotz, K. 2014. 'Extended evolutionary psychology: the importance of transgenerational developmental plasticity'. *Frontiers in Psychology* 5: 908. doi: 10.3389/fpsyg.2014.00908
- Stotz, K. 2012. "Murder on the Development Express: Who killed nature/nurture? *Biology & Philosophy* 27 (9):919-929.

- Linquist, S., E. Machery, P. E. Griffiths, and K. Stotz. 2011. 'Exploring the Folkbiological Conception of Human Nature'. *Philosophical Transactions of the Royal Society B* 366:444-453
- O'Malley, M. and K. Stotz. 2011. 'Intervention, integration and translation in obesity research: genetic, developmental and metaorganismal approaches'. *Philosophy, Ethics, and Humanities in Medicine* 6 (2):doi:10.1186/1747-5341-6-2
- Stotz, K. 2010. 'Human Nature and Cognitive-Developmental Niche construction'. *Phenomenology and the Cognitive Sciences* 9 (4):483-501.
- Stotz, K. 2009. 'Experimental Philosophy of Biology: Notes from the field'. *Studies in History and Philosophy of Science A* 40 (2): 233-237
- Stotz, K. (2009) 'Introduction to "Philosophy in the Trenches"'. *Studies in History and Philosophy of Science A* 40 (2): 225-226.
- Griffiths, P. E., and K. Stotz, 2008, 'Experimental Philosophy of Science', *Philosophy Compass*, 3 (3):507-721.
- Stotz, K. 2008. 'The ingredients for a postgenomic synthesis of nature and nurture'. *Philosophical Psychology* 21 (3, Special Issue): 359-381.
- Stotz, K. & P. Griffiths. 2008. 'Biohumanities: rethinking the relationship between the biosciences, philosophy and history of science, and society'. *Quarterly Review of Biology* 83 (1): 37-45.
- Griffiths, E.P., K. Stotz, and A. Bostanci. 2007. '101 things to do with your genome'. *Genomics Network: Newsletter of the ESRC Genomics Network* 6: xx-xx
- Stotz, K. 2006. 'Molecular epigenesis: distributed specificity as a break in the Central Dogma'. *History and Philosophy of the Life Sciences* 26 (3-4): 527-544.
- Stotz, K. 2006. 'With genes like this, who needs an environment? Postgenomics' argument for the "Ontogeny of Information"'. *Philosophy of Science* 73 (5): 905-917.
- Griffiths, P. E. and K. Stotz. 2006. 'Genes in the Postgenomic Era'. *Theoretical Medicine and Bioethics* 27 (6): 499-521.
- Stotz, K., A. Bostanci and P.E. Griffiths. 2006. 'Tracking the shift to post-genomics'. *Community Genetics* 9 (3): 190-196.
- Stotz, K. and P.E. Griffiths. 2004. Genes: Philosophical analyses put to the test. *History and Philosophy of the Life Sciences* 26 (1, Special issue on 'Genes, Genomes and Genetic Elements', ed. by K. Stotz), 5-28.  
<http://representinggenes.org>
- Stotz, K. and P.E. Griffiths. 2004. 'What is a Gene'. *Genomics Network: Newsletter of the ESRC Genomics Network* 1(1): 6-7.
- Stotz, K., P.E. Griffiths, and R.D. Knight. 2004. 'How scientists conceptualize genes: An empirical study'. *Studies in History and Philosophy of Biological and Biomedical Sciences*, 35 (4), 647-673.
- Griffiths, P. E. and K. Stotz. 2000. 'How the mind grows: A developmental perspective on the biology of cognition'. *Synthese* 122 (1-2): 29-51.
- Callebaut, W. and K. Stotz. 1998. 'Lean Evolutionary Epistemology'. *Evo & Cog* 4 (2): 11-36.
- Callebaut, W. and K. Stotz. 1997. 'The place of function in a world of mechanisms'. Review article of Peter Godfrey-Smith "Complexity and the Place of

Cognition in Nature". *Metascience* 12: 20-31.

- Stotz, K. 1996. The Psychology of Knowledge in the Context of Evolutionary Theory: Reflections on the Link between Cognition and Sociability. *Evo & Cog* 2 (1): 22-37.

### Book Reviews

- Stotz, K. 2011. 'Creatures of the World'. Review of Richard Menary (ed.) "The Extended Mind". Cambridge, MA, MIT Press, 2010. *Metascience* DOI 10.1007/s11016-011-9539-z
- Stotz, K. 2008 (Published 2009). Review of Michael Lynch "The Origin of Genome Architecture". *History and Philosophy of the Life Sciences* 30 (3-4): 484-486.
- Stotz, K. 2008. Review of Alex Rosenberg "Darwinian Reductionism", University of Chicago Press 2006. *Metascience* 17 (1): 10-14.
- Stotz, K. 2005. Review of Sahotra Sarkar, "Molecular Models of Life: Philosophical Papers on Molecular Biology". MIT Press 2005", *Philosophy in Review* 25 (6):443-445.
- Stotz, K. 2004. Review of Gordon Graham, "Genes: A philosophical Inquiry". *ISIS* 95:172-3
- Stotz, K. 2004. Review of Lenny Moss "What genes can't do", 2002. *Metascience* 12(3):414-7
- Callebaut, W. and K. Stotz. 1998. Review of Jane Azevedo "Mapping Reality", 1997. *American Journal of Sociology* 103: 1768—1770

### C. Best 10 career publications.

1. Griffiths, P. E. and K. Stotz. 2013. *Genetics and Philosophy: An Introduction*". Cambridge Studies in Philosophy and Biology. Cambridge University Press.
2. Stotz, Karola, and Colin Allen. 2012. "From cell-surface receptors to higher learning: A whole world of experience." In *Philosophy of Behavioural Biology*, edited by Katie Plaisance and Thomas Reydon, 85-123. Boston, MA: Springer.
3. Linquist, S., E. Machery, P. E. Griffiths, and K. Stotz. 2011. 'Exploring the Folkbiological Conception of Human Nature'. *Philosophical Transactions of the Royal Society B* 366 (Evolution and human behavioural diversity):444-453.
4. Stotz, K. 2010. 'Human nature and cognitive-developmental niche construction. *Phenomenology and the Cognitive Sciences* 9 (4): 483-501.
5. Stotz, K. 2008. 'The ingredients for a postgenomic synthesis of nature and nurture'. *Philosophical Psychology* 21 (3): 359-381.
6. Stotz, K. and P. Griffiths. 2008. 'Biohumanities: rethinking the relationship between the biosciences, philosophy and history of science, and society'. *Quarterly Review of Biology* 83 (1): 37-45.
7. Stotz, K. 2006. 'Molecular epigenesis: distributed specificity as a break in the Central Dogma'. *History and Philosophy of the Life Sciences* 26 (3-4): 527-544.
8. Griffiths, P. E. and K. Stotz. 2006. 'Genes in the Postgenomic Era'. *Theoretical Medicine and Bioethics* 27 (6): 499-521.

9. Stotz, K., Griffiths, P. E. and R. Knight. (2004). "How scientists conceptualise genes: An empirical study." *Studies in History & Philosophy of Biological and Biomedical Sciences* 35(4): 647-673.
10. Griffiths, Paul E., and Karola Stotz. 2000. "How the Mind Grows: A Developmental Perspective on the Biology of Cognition." *Synthese* 122 (1-2):29-51.

#### D. Organised workshops

- "Postgenomic Perspectives on Human Diversity", coorganized with P. Griffiths and A. Hochman, Sydney, Sept 2012
- "Integration in Biology and Biomedicine", coorganized with Paul Griffiths and Maureen O'Malley. Sydney, May 3-4, 2012
- "Postgenomic Perspectives on Human Nature I: Innateness", Exeter, Oct 31-Nov 1, 2008
- "Reconciling Nature and Nurture in the Study of Behavior", Symposium (Funded by the New Frontiers Arts and Humanities Program), 23-25 March, 2007, Indiana University)
- "Representing Genes III", third workshop of the NSF funded Representing Genes Project, University of Exeter, May 13 – 15, 2005 (co-organized with Paul Griffiths)
- "Representing Genes II", second workshop of the NSF funded Representing Genes Project, Pittsburgh, Feb 20 – 22, 2004 (co-organized with Paul Griffiths)
- "Representing Genes I: Testing Competing Philosophical Analyses of the Gene Concept in Contemporary Molecular Biology". Pittsburgh, Jan 17–19, 2003 (with Paul Griffiths): <http://www.representinggenes.org>
- "Evolutionary Naturalism and the Challenge of Development and Sociality", Konrad Lorenz Institute Vienna, July 1997. (Co-organized with Werner Callebaut).
- "Causes of Growth I and II", Symposia of the Altenberg Contribution to the Vienna Future Conference, September 1993 and May 1995 (co-organized with Dr. Rupert Riedl).

#### E. Organised Conference Sessions

- Interdisciplinary Session: Historical, Philosophical, Sociological, Scientific and Medical perspectives on Parental Effects I and II. ISHPSSB 2013, Montpellier, July 7-11.
- "Biology and the Extended Mind". ISHPSSB 2011, Salt Lake City, July 10-14
- "What Use is Human Nature?" (With Paul Griffiths) ISHPSSB 2011, Salt Lake City, July 10-14
- "Rediscovering Human Nature", PSA 2010, Montreal Nov 4-9
- "Nurture goes Molecular: Epigenetic mechanisms and their implication for the innate/acquired distinction". ISHPSSB 2009, Brisbane, July 11-16
- "Finding a way to really talk about cognition across phyla" (with Pamela Lyons and Jon Opie). ISHPSSB 2009, Brisbane, July 11-16.

“New Perspectives on Reductionism I and II” (Panel), ISHPSSB 2007, Exeter July 25-29.

“Plastic Minds: Developmental approaches to animal cognition”. ISHPSSB 2007, Exeter.

“Philosophy in the Trenches: From naturalized to experimental philosophy (of science)”. PSA 2006, Nov 2-5, 2006, Vancouver, Canada.

“Son of ELSI: New interactions between bioscience and the humanities and social sciences”. Biannual Meeting of ISHPSSB, July 13- 17, 2005, Guelph, CA.

“Conceptual Implications of Recent Advances in Genomics”. Symposium, PSA Nov 18-21, 2004, Austin, Texas

“Conceptual Issues of Molecular Genetics”. ISHPSSB 2003, Vienna, Austria, July

“Interactive Constructionism”. ISHPSSB 1999, Oaxaca, Mexico, July

“Evolutionary Naturalism”. International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB) 1997, Seattle, WA, US. July

## G. Grants

- 2014-16. “Causal foundations of biological information”; P. Griffiths, K. Stotz, A. Pocheville; Templeton World Charity Foundation, US\$ 1,200,000.
- 2014-16. Macquarie University Start-Up grant, \$50,000
- 2013. “Developmental Niche Construction”; DVC Research/Bridging Support Fellowship.
- 2008-2012 ARC Discovery Project + ARF DP0878650 ‘Postgenomic perspectives on Human Nature’ (with Paul Griffiths) AU\$641,000
- 2007. PI, New Frontiers in the Arts and Humanities Program: New Perspective Grant. Reconciling Nature and Nurture in the Study of Behavior’ (Co-PI Colin Allen) US\$20,000
- 2005. PI, REU supplement to NSF award # 0323496, NSF award #6462046, US\$4,150
- 2003-2005, Co-PI, later PI, National Science Foundation, Science and Technology Studies and Societal Dimensions of Engineering, Science, and Technology programs, “Conceptual Issues in the Dissemination and Reception of Genomics” (PI: Paul Griffiths), NSF award #0323496, US\$107,000
- 2003-2004. CO-PI, “Representing Genes” by University Center for International Studies (UCIS) Global Academic Partnership Award (PI: Paul Griffiths), Pittsburgh (\$20,000).
- 2002-2004, Co-PI, National Science Foundation, Science and Technology Studies Program, (\$110,000) “Representing Genes: Testing Competing Philosophical Analyses of the Gene Concept in Contemporary Molecular Biology” (PI: Paul Griffiths), NSF award # 0217567
- 2001. Research Associate, Steven D. Manners Research Development Grant, University Center for Social and Urban Research Pittsburgh (PI: Paul Griffiths), “Testing competing analyses of the gene concept in contemporary molecular biology”, US\$7,000.

- 1999-2000 Research Associate, Australian Research Council Large Research Grant (Principal Investigator: Paul Griffiths), “Representing the role of genes in development: improved conceptual tools for interpreting the significance of biological findings”. AUD91,000

## F. Invited lectures in the last 10 years

2015

- “When is a causal relationship informational?”, ISHPSSB 2015 meeting, Montreal July 6-10
- “Proximate and Ultimate Explanations”, ‘Heredity in the Postgenomic Era’, Wissenschaftskolleg workshop, Berlin, June 2015
- “Stochasticity and distributed specificity as an argument for non-Determinism”, ‘Stochasticity in Gene Expression’ workshop, Paris, April 27-29, 2015

2014

- “Measuring the specificity of genes, mind and environment”, Australasian Society for Cognitive Science 2014 Meeting, Monash University, Melbourne, 8-10 Dec.
- Specificity, Invariance and stability – an information-theoretic approach. Sydney-ANU meeting, Bundanoon, 26-28 Nov, 2014
- “A Process View of Human Nature”, ‘Process Philosophy Workshop, Exeter University, Nov 20-21, 2014
- “Distributed specificity”, Information: Trash or Treasure’ Workshop, IHPST, Paris, Nov 19, 2014
- “A Molecular Future for Behavior Genetics?” ‘Philosophy of Behavior Genetics’, Templeton Workshop, Fort Lauderdale, Florida, Nov 1-2, 2014
- “Measuring Specificity”, with A. Pocheville and P. Griffiths, Work in Progress Seminar, University of Sydney, Oct 9, 2014
- “Two kinds of Niche Construction”, ‘Cultural Evolution and Learning’ Workshop, Macquarie University, August 17, 2014
- “A Causal Foundation of Biological information”, ‘Heredity in the Postgenomic Era’, Wissenschaftskolleg workshop, Berlin, June 19-20, 2014
- “Towards a biologically basic cognition: from developmental plasticity to higher learning”, ‘Cognition in Context: Cognition Wars’ workshop, Macquarie University, April 7, 2014
- “Crick Information: Causal Foundation of Biological information”, ‘The Power of Information’, Templeton Workshop, Oxford, March 26-28, 2014

2013

- “How different views of parental effects promote the relationships between development, heredity and evolution”, ISHPSSB 2013, Montpellier, July 7-11
- “Crick Information: an informational concept for biology”, Egenis Seminar, Exeter University, Oct 21, 2013

2012

- “Crick Information, Distributed Specificity, and Molecular Epigenesis”, Sydney – Anu meeting, Bundanoon Nov 12, 2012
- “From Cell-Surface Receptors to Learning: beyond the innate and the acquired”. ‘Mechanism of Cognition Workshop’, Genes to Geoscience Centre, Macquarie University, Oct 23, 2012
- “What progress occurred when genes went molecular?” ‘HPS in Australia’, University of Sydney Sept 26-28, 2012
- “Human Nature and Developmental Plasticity”. ‘Human Nature and Diversity’ Workshop, University of Sydney, Sep 5-7, 2012
- “Nonreductive integration: Commentary”. ‘Integration in Biology and Biomedicine’ workshop, University of Sydney, May 3-5, 2012
- “Biology and the Extended Mind”. Workshop ‘Emergence in Cognitive Science’, Wollongong University, April 12-13, 2012
- “Nature, Human Nature, and Nurture”. Workshop ‘Concepts in Use’, University of Bielefeld, Germany, April 5, 2012
- “From Ecological to Development Niche Construction”. ‘Cultural factors of Inheritance II: Forms’, Centre for Literature and Cultural Research, Berlin, Mar 13-14, 2012

#### 2011

- “Cognitive- Developmental Niche Construction as an Argument against Innate Human Nature”. ‘Human Nature, Agent tracking and cognitive architecture’ workshop, Macquarie University 17-21 June, 2011
- “From cell-surface receptors to higher learning: A whole world of experience”. ‘Ethology’ Workshop, Macquarie University 19-21 Feb, 2011

#### 2010

- “Putting Reductionism in its place”, ‘Mechanism’ workshop, Macquarie University, Dec 16-17, 2010
- “Cognitive-Developmental Niche Construction and Human Nature”, PSA Montreal, Nov 4-6
- “Environmental Epigenomics of Health and Disease”, Egenis seminar, University of Exeter, Oct 25, 2010
- “From Developmental Plasticity to Learning: A Whole World of Experience”, Sydney – Anu Meeting, Bundanoon Sept 17, 2010
- “Cognitive Niche Construction: from Extended organisms to extended minds”. Workshop ‘Embodied cognition, enactivism, and extended mind’, U of Wollongong Dec 10-11, 2009
- “The biological foundation of cognition”. Workshop ‘Biological Cognition’ and Discussion panel, July 17-19, University of Adelaide, 2009
- “Xphi of Science”. NEH Summer Institute on Experimental Philosophy (Xphi), June 28-30, 2009



- “The Nurturing of Human Nature”. Workshop “Man and her Genes”, Oslo, Nov 20-23, 2008
- “A philosophical analysis of extended inheritance”. Egenis Seminar Series, Nov 17, 2008
- “The Nurture of Human Nature”, Panel discussion “Postgenomic Perspectives on Human Nature”. Exeter University, Oct 31, 2008
- “Behavior epigenetics: Epigenetics, Parental Effects, Ontogenetic Niche Construction and Behavior”. Workshop “Future Direction in Genetic Studies’, WashU St Louis, Aug 10, 2008
- “Tanz der Gene: Evolutionstheorie in der Krise?” Studium Generale ‘Mensch, Genom, Evolution’, University of Luebeck, April 24, 2008
- “From Apes to Humans: the Naturing of Human Nature”. Workshop on Human Nature, Egenis, Exeter April 21, 2008
- “From Molecular Epigenesis to Developmental Niche Construction”. Philosophical Colloquium, UCSC, May 10, 2007
- “Developmental Niche Construction as an Evolutionary Factor”. ‘Making Sense of Evolution’- author meets critics, Oregon State University, April 7, 2007
- “From Nature and Nurture to Nurturing Nature”. Keynote address, Symposium ‘Reconciling Nature and Nurture in the Study of Behavior’, IU Mar 20-22.
- “Molecular epigenesis as an argument for developmental niche construction”. Developmental seminar, Indiana University, March 2, 2007
- “Experimental philosophy of biology: a meeting point between philosophy and science?” ‘Does Philosophy matter to Science?’ A Stony Brook symposium, Mar 9, 2007
- “Distributed specificity as a break in the Central Dogma”. ‘Central Dogma’, Colloquium, University of Geneva, Faculty of Medicine, Feb 22-23, 2007
- “From Genetics to Postgenomics: a case against reductionism”. 3. Biohumanities Conference “Idealization, Mechanism and Reduction”, UQ, Dec 17-19, 2006
- “2001 and all that: A tale of a third science”. 7th Philosophy of Developmental Biology workshop, Vancouver, Nov 6-7, 2006
- “How to test conceptual change in science: notes from the field”. PSA 2006 20th biannual meeting, Nov 2-5, 2006, Vancouver
- “Niche Construction”, Graduate workshop ‘Future directions in the Life Sciences’, Indiana University, June 2006.
- “Mental Representation and the Extended Mind: Some lessons from the genome”. CogSci lunchtime seminar series, Indiana University Bloomington, April 20, 2006
- “What is a Gene?” (with Paul Griffiths). Keynote address, Biohumanities conference I: “The conceptual impact of the genomics revolution”, UQ, Oct 13-15, 2005.
- “Diverse conceptualizations of the gene and why they matter” (with Paul Griffiths). Keynote address of the ‘Representing Genes III’ workshop, University of Exeter, May 13, 2005

- “With Genes like that who needs an environment? Postgenomics’ argument for the ‘Ontogeny of Information’”. Center for Philosophy of Science, University of Pittsburgh, April 5th, 2005,
- “Representing Genes Project”. Human Genetics Lunchtime seminar series, Pittsburgh Medical School, Feb 18, 2005.
- “Genes: Philosophical Analyses put to the test”. Institute for Molecular Bioscience, University of Queensland, Brisbane, Feb. 03, 2005.

## H. Professional organisations

Australasian Association for the History; Philosophy and Social Studies of Science; Australasian Association for Philosophy; Austrian Society of Cognitive Science (ASOCS); International Society of Artificial Life; International Society of the History, Philosophy and Social Studies of Biology (ISHPSSB); Konrad Lorenz Institute for Evolution and Cognition Research (KLI); Philosophy of Science Association (PSA); Society for Philosophy and Psychology (SPP); Associations of the Advancement of Science;

## I. Refereed Journals and Funding Organisations

Evolution and Cognition; Biological Theory; International Studies in the Philosophy of Science; Studies in History and Philosophy of Science C; Philosophy of Science; Philosophical Psychology; Biology & Philosophy; Acta Biotheoretica; Artificial Life; History and Philosophy of the Life Sciences; British Journal for Philosophy of Science; European Journal for the Philosophy of Science; Metascience; The Journal of Sex Research; PLoS One; Current Anthropology; Biosemiotics; Theoretical Biology, History and Philosophy of the Life Sciences. Frontiers in Human Neuroscience

### **Book and research proposal examinations for:**

Cambridge University Press; National Science Foundation; Israel Science Foundation; Konrad Lorenz Institute, Templeton Foundation

## J. Teaching

Center for Biology, University of Vienna (in German), (team teaching)

- SS 1994. "Evolution of Cognitive Processes" (team teaching)
- WS 1994/95. "Systems Theory of Evolution" (team teaching)
- SS 1995. "Communication and Cognition" (team teaching)
- SS 1996. "The Origin of Constraints and Complexity" (team teaching)

Institute for History, Philosophy and Sociology of Science, University of Vienna

- WS 1994/95. "Cognition and Communication" (team teaching)
- SS 1995. "Cross-Cultural Research on Cognition" (team teaching)

- WS 1995/96. "Language and Cognition I" (team teaching)
- SS 1996. "Language and Cognition II" (team Teaching)

Unit for History and Philosophy of Science, University of Sydney

- S2 1999. "Scientific Controversies: Biologising Psychology" (guest lecturer)
- S1 2000. "Advanced Philosophy of Science" (guest lecturer)
- The School of Science & Technology Studies (now HPS), University NSW
- S1 1999. "Philosophy of Biology" (guest lecturer for Nicolas Rasmussen)

Cognitive Science Program, Indiana University Bloomington

- WS 2006. CogSci Q240 "Philosophical Foundations in Cognitive Science" (Intensive Writing undergraduate seminar in Cognitive Science)
- WS 2006. CogSci Q700/Philosophy P540 "The Nature-Nurture Debate in Behavior and Cognition Research" (graduate seminar)
- SS 2007. HPSC 755 "Functions and Mechanisms in the Life Sciences" (graduate seminar, co-teacher to Colin Allen)
- WS 2007. CogSci Q240 "Foundations in Cognitive Science" (Intensive Writing undergraduate seminar in Cognitive Science and HPS)

Philosophy Department, University of Sydney

- Advanced Philosophy of Science, graduate seminar 2009, 2010, 2011 (Co-teaching)
- Philosophy of Genetics, honours seminar 2011 (with Paul Griffiths)
- Philosophy of Genetics, honours seminar 2012 (with Paul Griffiths)
- Philosophy of Psychiatry PHIL 2627, undergraduate seminar, S1 2013
- Philosophy of Cognitive Science, honours seminar, S2, 2013

#### K. Thesis Supervision

- Alexandra Curran, graduate thesis, School of Science & Technology Studies, University of NSW, September 1999
- Paul Remati, graduate thesis, Unit for History and Philosophy of Science, University of Sydney, March 2000
- Heather Logue, graduate thesis, Department of Philosophy, University of Pittsburgh, August 2003
- Margeret Heath, Konrad Lorenz Institute Junior fellowship application 2006
- Adam Hochman, Co-supervisor, Honours thesis, Department of Philosophy, University of Sydney, 2009
- John Zerilli, Masters Thesis, Department of Philosophy, University of Sydney, 2010
- Sue Hobley, Co-supervisor, HPS, Graduate Thesis, 2010
- Kate Lynch, Co-Supervisor, PhD thesis, Department of Philosophy, Macquarie University, 2014.

#### L. Organised Reading and Discussion Groups

- SYDGONG: University of Sydney and Wollongong Philosophy of Mind Reading Group
- BIO-LAB: Biohumanities Laboratory and Journal club, University of Sydney

- COG-X: Reading and discussion group for graduates students (and interested faculty) in new topics in cognitive science (Indiana University)
- ROBOT-X: Reading and discussion group for graduate students in topics related to robotics
- SPACKLED: Studygroup for the Philosophy/Psychology of Cognition, Knowledge, Learning, Evolution and Development (Indiana University)