

7th Munich-Sydney-Tilburg Conference in the Philosophy of Science

Evolutionary Thinking

University of Sydney, March 20-22 2014.

NEW LAW BUILDING

- Map and other interactive information sydney.edu.au/maps/index.shtml

Thursday March 20th

Veterinary Science Convention Center Room 115-116 and Foyer

6.00. Anya Plutynski (Washington U. in St Louis)

Nothing in evolution makes sense except in light of population genetics? On formalization, contingency and generality in biology.

7.15 Drinks reception

Friday March 21st

Veterinary Science Convention Center Room 115-116

9.00. Rob Brooks (UNSW)

Evolutionary sexual conflict, within-sex competition and the origins of ideological variation

10.15-Anton Killin (Victoria U. of Wellington) and Kim Shaw-Williams (ANU)

Tracing the evolution of hominin musicality to music, from c. 4 mya to 40 kya

10.45 Coffee

11.15 Fabian Seitz (U. of Frankfurt)

Hunting made us rational – the evolution of domain-general reasoning in the hominin lineage

11.45 Maarten Boudry (Ghent U) and Michael Vlerick (U. of Johannesburg)

Are humans (ir)rational? Or is evolution? The locus shift of ecological rationality

12.00 Lunch

1.00 Kim Sterelny and Ben Fraser (ANU) *Evolution and Moral Realism*

2.15. Bryce Huebner (Georgetown U) *Moral Minimalism*

2.45 Elena Walsh (U of Sydney) *The Machiavellian function of reactive attitudes: An evolutionary perspective on moral responsibility*

3.15 Coffee

3.45. Tim Taylor, Alan Dorin, and Kevin Korb (Monash U) *Digital Genesis: Computers, Evolution and Artificial Life*

4.15 Paul E. Griffiths and John Matthewson (U. of Sydney) *What is the heuristic role of evolutionary thinking in biomedicine?*

4.45 Anya Plutynski (Wash U in St Louis)
The Evolution of Failure: Evolutionary Thinking about Disease

Saturday March 22nd

New Law Lecture Theatre 104

9.00 Karola Stotz (Macquarie U.) *Evolutionary psychology and the extended evolutionary synthesis: The importance of transgenerational developmental plasticity*

10.00 Kathleen E. Lynch and Darrell J. Kemp (Macquarie U) *Evidence for Sources of Phenotypic Variance and the Consequences for Evolutionary Prediction*

10.30. Pierrick Bourratt (U. of Sydney) and Qiaoying Liu (Sun Yat-Sen University)
Nothing New for Evolutionary Theory with Epigenetic Inheritance

11.00. Coffee

11.30 Christopher Lean (ANU) *Biodiversity only makes sense in light of Phylogenetics*

12.00 Adrian Currie (ANU) *You tell me why and I'll tell you how: evolution & reconstruction*

12.30. Concluding remarks