



THE UNIVERSITY OF
SYDNEY



MACQUARIE
University
SYDNEY • AUSTRALIA

Speakers

Chuang Liu
Qiaoying Lu
Mingjun Zhang
Tung-Ying Wu

Fang Wei
Rachael Brown
Peter Takacs
Paul Griffiths
Ines Hipolito
Michael Kirchoff
Elena Walsh
Alexander J Gillett
Pierrick Bourrat
David Kaplan

Fudan University
Peking University
Fudan University
Philosophy Institute,
Chinese Academy of Sciences
Shanxi University
Australian National University
University of Sydney
University of Sydney
Macquarie University
University of Wollongong
University of Wollongong
Macquarie University
Macquarie University
Macquarie University

Sino-Australian Philosophy of Life Sciences Network

8:45am – 5:00pm | Thursday 23 November 2023
9:00am – 5:00pm | Friday 24 November 2023

Time	Presenter	Topic
Thursday 23 November		
8.45	Paul Griffith and Pierrick Bourrat Opening	
9.00 – 10.00 <i>Talk 1</i>	Paul Griffiths, University of Sydney	Against Sex Eliminativism
10.00 – 11.00 <i>Talk 2</i>	Chuang Liu, Fudan University	Some Philosophical Implications of Two-System Psychology and the Bayesian Brain
<i>Coffee break 11.00 – 11.30</i>		
11.30 – 12.30 <i>Talk 3</i>	Inês Hipolito, Macquarie University	Cognition on the Edge of Chaos: The Free Energy Principle
<i>Lunch 12.30 – 1.30</i>		
1.30 – 2.30 <i>Talk 4</i>	Tung-Ying Wu, Chinese Academy of Sciences	The free energy principle and scientific realism
2.30 – 3.30 <i>Talk 5</i>	Alexander J Gillett, Macquarie University	Towards a Cognitive Ecology of Collaborative Wayfinding
<i>Coffee break 3.30 – 4.00</i>		
4.00 – 5.00 <i>Talk 6</i>	David Kaplan Macquarie University	The role of behaviour in understanding neural computation and representation

Time	Presenter	Topic
Friday 24 November		
09.00 – 10.00 <i>Talk 7</i>	Qiaoying Lu, Peking University (with Pierrick Bourrat, Macquarie University)	Judea Pearl's formal measurement of causal strength in terms of the probability of necessity and sufficiency (PNS) and its relation with causal specificity
10.00 – 11.00 <i>Talk 8</i>	Wei Fang, Shanxi University	The Complexity of Establishing Microbiome Causation
<i>Coffee break 11.00 – 11.30</i>		
11.30 – 12.30 <i>Talk 9</i>	Peter Takacs, University of Sydney & Pierrick Bourrat, Macquarie University	New directions in the philosophy of biological fitness
<i>Lunch 12.30 – 1.30</i>		
1.30 – 2.30 <i>Talk 10</i>	Mingjun Zhang, Fudan University	Should scientists engage in relative frequency debates?
2.30 – 3.30 <i>Talk 11</i>	Rachael Brown, Australian National University (with Richard Menary, Macquarie University)	Cultural Canalisation: How the organisation of the ontogenetic niche both facilitates, and buffers against, cultural change
<i>Coffee break 3.30 – 4.00</i>		
4.00 – 5.00 <i>Talk 12</i>	Elena Walsh, University of Wollongong	Inference, information, and ide- alization: The case of automated facial expression analysis