

The Mechanistic Approach in Biology and Cognition

Programme

09:00-09:50 Maria Serban (Technische Universität Berlin) - Emergence, top-down causation and mechanisms

09:50-10:40 Sepehr Ehsani (University College London) - The challenges of purely mechanistic models in biology and the minimum need for a 'mechanism-plus-X' framework

10:40 - 11:00 COFFEE BREAK

11:00-11:50 Gil Santos & Davide Vecchi (Universidade de Lisboa) - Mechanistic explanation and reduction in organismal biology

11:50-12:40 Joe Dewhurst (Munich Centre for Mathematical Philosophy) - Perspectival realism about mechanistic functions in biology and cognitive science

12:40-14:00 LUNCH

14:00-14:50 Marcin Miłkowski (Polish Academy of Sciences) - Making Explanations Systematic: Levels of Organization in Cognitive (Neuro)science

14:50-15:40 Jonny Lee (University of Sussex) - Structural representation, mechanisms and the two problems of content

15:40 - 16:00 COFFEE BREAK

16:00-16:50 Robert W. Clowes & Klaus Gärtner (Universidade Nova de Lisboa & Universidade de Lisboa) - Wide Mechanisms and Representations

16:50-17:40 Krystyna Bielecka (University of Warsaw) - Explaining Korsakoff Syndrome representationally

17:40-18:30 FINAL DISCUSSION