INSTITUTE OF PHILOSOPHY, FACULTY OF PHILOSOPHY, UNIVERSITY OF BELGRADE

SCIENCES OF THE ORIGIN:
THE CHALLENGES OF THE SELECTION EFFECTS AND BIASES

THURSDAY, JUNE 3rd

13:00 - 13:15 CET*
Introduction, Slobodan Perović (University of Belgrade)

CONCEPTUAL BIASES IN THE SCIENTIFIC EXPLANATION OF THE ORIGINS

13:15 - 13:45
Keynote: Origin-Narratives: Fins, Feet & Foibles, Adrian Currie (University of Exeter, United Kingdom)

13:45 - 14:05
Thresholds in Origin of Life Scenarios, Cyrille Jeancolas (ESPCI Paris – PSL, France)

14:05 - 14:25
The End of the Beginning? On a methodological tension in early universe Cosmology, Craig W. Fox (Hebrew University of Jerusalem, Israel)

14:25 - 14:45 Coffee break

14:45 - 15:05
Origins, Aviezer Tucker (Harvard University, United States)

15:05 - 15:25
The Multiple Dynamical Systems Approach to Language Evolution, Mihajlo Stamenković (University of Belgrade & University of Novi Sad, Serbia)

15:25 - 15:45
Scaffolding: Articulating Process in Scientific Explanations, Celso Neto (Dalhousie University, Canada), Letitia Meynell (Dalhousie University, Canada), Christopher Jones (Dalhousie University, Canada)

15:45 - 16:05
How Computation Explains, Andrew Richmond (Columbia University, United States)

16:05 -16:35 Discussion

16:35 - 17:30 Break

GENERAL BIASES IN THE SCIENTIFIC EXPLANATION OF THE ORIGINS

17:30 - 18:00
Keynote: Biases and Selection Effects in Relation to Cosmological Fine-Tuning, Philip Goff (Durham University, United Kingdom)

18:00 - 18:30
Keynote: God as the Origin of Origins, Benedikt Paul Göcke (Ruhr-University Bochum, Germany)

18:30 - 18:50 Coffee break

18:50 - 19:10
Introducing the subject into Big History: a mask of theory over the face of nature, Ragnar van der Merwe (University of Johannesburg)

19:10 - 19:30
Induction, Meta-induction, Naturalism, and Origins, J. Brian Pitts (University of Lincoln, University of South Carolina & University of Cambridge)

19:30 - 20:00 Discussion

FRIDAY, JUNE 4th

SOCIAL AND BIOLOGICAL ORIGINS

13:00 - 13:30
Keynote: On the social origins of self-awareness, Kristina Musholt (Leipzig University, Germany)

13:30 - 13:50
TBA,
Caner Turan (Tulane University, United States)

13:50 - 13:20 Coffee break

13:20 - 13:40
The Animal Turn, Archaeozoology, aDNA: Revealing past entanglements, Ivana Živaljević (University of Novi Sad, Serbia)

13:40 - 14:00
Darwin on the Origin of Mind and Language, Conor Barry (St. Thomas University, Fredericton, New Brunswick, Canada)

14:00 - 14:30 Discussion

14:30 - 15:30 Break

SELECTION EFFECTS AND EVIDENCE

15:30 - 16:00
Keynote: Weaving together interdisciplinary strands of evidence. A pathway to understand ritual in the deep past, Liv Nilsson Stutz (Linnaeus University, Sweden)

16:00 - 16:20
Beyond congruence: evidential integration and inferring the best evolutionary scenario, Arsham Nejad Kourki (University of Bristol, United Kingdom)

16:20 - 16:40
Exploratory observations with stellar streams, Siska De Baerdemaeker (Stockholm University, Sweden)

16:40 - 17:00
A Thematic Approach of Selection Effects and Biases in Cosmology: Fred Hoyle and the Rejection of the Big Bang Idea, Despite the Experimental Observation, João Barbosa (University of Lisbon, Portugal)

17:00 - 17:20
Scientific fluency in multidisciplinary research - examples from archaeology Kristina Penezić (University of Novi Sad, Serbia)

17:20 - 17:50 Discussion

17:50 - 18:30 Break

ORIGINS OF LIFE IN THE COSMOLOGICAL CONTEXT

18:30 - 19:00
Keynote: Who's really afraid of AI? Anthropocentric bias and postbiological evolution, Milan Ćirković (University of Belgrade, Serbia & University of Oxford, United Kingdom)

18:30 - 18:50
Reconfiguring SETI in the microbial context: panspermia as a solution to Fermi's paradox, Predrag Slijepcevic (Brunel University London, United Kingdom)

18:50 - 19:10
Darwin Meets Dr Frankenstein: Using the Drake Equation to Calculate the Probability of Volcanic Lightning's Impact on Chemical Evolution, Petar Nurkić (University of Belgrade, Serbia)

19:10 - 19:40 Discussion

SATURDAY, JUNE 5th

SELECTING BIOLOGICAL INDIVIDUALS

13:00 - 13:30
Keynote: Darwinizing Gaia, W. Ford Doolittle (Dalhousie University, Canada)

13:30 - 13:50
Historical origins and the theoretical definition of objects in biology, Mael Montevil (Panthéon-Sorbonne University, France)

13:50 - 14:10
The origin of biological individuation, Paul-Antoine Miquel (Université de Toulouse, France)

14:10 - 14:30 Coffee break

14:30 - 14:50
Actively exploiting quantum effects: a verge between life and (bio)molecules, Andrej Korenić (University of Belgrade, Serbia), Slobodan Perović (University of Belgrade, Serbia)

14:50 - 15:10
The Role of Constraints in Origins-of-Life Research, Franziska Reinhard (University of Vienna, Austria)

15:10 - 15:30
Selection effects in Gaia and Solaris, Srđa Janković (University of Belgrade, Serbia), Ana Katić (University of Belgrade, Serbia), Milan M. Ćirković (University of Belgrade, Serbia & University of Oxford, United Kingdom)

15:30 - 16:00 General discussion

SCIENTIFIC COMMITTEE

Philip Goff, Durham University
Adrian Currie, University of Exeter
Benedikt Paul Göcke, Ruhr-University Bochum, Germany
Milan Ćirković, University of Belgrade & University of Oxford
Dušan Mihailović, University of Belgrade
Slobodan Perović, University of Belgrade
Janko Nešić, University of Belgrade
Monika Milosavljević, University of Belgrade

***TIME ZONE:** Central European Time (CET)
Presentations will be limited to 15 minutes with an additional 5 minutes for discussion.
Presentations for the keynote speakers will be limited to 20 minutes with 10 minutes for discussion
For registration and additional information, please contact: sciencesoftheorigin@gmail.com

WEBSITE: sciorigin.weebly.com

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