Program

Thursday, February 2

Welcome Addresses
h. 14:00 Stefano Petrucciani (Director of the Department of Philosophy, Sapienza University of Rome)
h. 14:10 Piergiorgio Donatelli (Coordinator of the Doctorate in Philosophy, Sapienza University of Rome)
h. 14:20 Marcello Buiatti (President of ResViva)

Predictability and Contingency in Physical and Biological Sciences
chair: Elena Gagliasso
h. 14:30 Giuseppe Longo (Ecole Normale Supérieure, Paris) – Unpredictable Phase Spaces, or How Future Depends on the Past and on Rare Events in Systems of Life
h. 15:20 Guido Chelazzi (University of Florence) – The Claim of Predictability vs Contingency in Ecology
h. 16:00 Fabio Sterpetti (Sapienza University of Rome) – On the Nature of Natural Selection
h. 16:30 Coffee break
h. 16:40 Emanuele Coco (University of Catania) – Harmonies Lost: Philosophy and Delusions in Constructing Nature
h. 17:10 Philippe Huneman (CNRS/Université Paris 1 Sorbonne) – Making sense of Gould’s Evolutionary Contingency Thesis: Issues of Grain and Scales

Friday, February 3

Big-Data and Predictability in Bio-medicine
chair: Mauro Capocci
h. 9:30 Paolo Vineis (Imperial College of London) – The Tsunami of New Data: Potential for Bias
h. 10:10 Giuseppe Novelli (University of Rome Tor Vergata) – The Bermuda Principles in the Era of Precision Medicine
h. 10:50 Giulia Fresza (Sapienza University of Rome) – Old and New Big Data: of Mice and Men
h. 11:20 Coffee break
h. 11:30 Luigi Preziosi (The Polytechnic University of Turin) – Determinism and Stochasticity in Mathematical Modelling for Cell Migration

h. 12:10 Sabina Leonelli (University of Exeter) – From Production to Re-use: Disseminating and Integrating Big Data in Biology and Biomedicine
h. 12:10 Lunch

Friday, February 3

The Evolutionary Contingency: Past and Present
chair: Barbara Continenza
h. 15:00 Silvia Caianiello (ISPF, CNR, SZN, Naples) – Seine gleichen geschieht: Contemporary Challenges to Evolutionary Contingency
h. 15:40 Sara Campanella (Sapienza University of Rome) – Synthesis and Behavior: a New Role for Selection
h. 16:10 David Ceccarelli (University of Rome Tor Vergata) – Epigenetics and Development in Cognitive Functions
h. 16:40 Coffee break
h. 17:00 Virginie Orgogozo (Institut Jacques Monod, Paris) – How Can We Predict Evolution?

Saturday, February 4

Brains and Behaviours in Ecological Frameworks
chair: Marco Celentano
h. 9:30 Lamberto Maffei (Scuola Normale Superiore di Pisa/Accademia dei Lincei) – Environment as Therapy
h. 10:10 Carmela Morabito (University of Rome Tor Vergata) – Estimations, Plans, Narratives: how non-Human Animals Deal with the Future and Possible Worlds?

h. 11:10 Lunch
h. 11:20 Salvatore Maria Aglioti (Sapienza University of Rome/Fondazione Santa Lucia, IRCCS) – Virtual Worlds for Real People
h. 12:00 Dario Martinelli (International Semiotics Institute Kaunas, University of Technology) – Estimations, Plans, Narratives: how non-Human Animals Deal with the Future and Possible Worlds?

h. 12:40 Elena Gagliasso (Sapienza University of Rome) – Concluding Remarks

Scientific Committee: ResViva – Organizing Committee: S. Caianiello, S. Campanella, D. Ceccarelli, G. Fresza, E. Gagliasso

International Workshop 20th Anniversary of Res Viva

Sliding Doors: Prediction and Contingency in Biosciences

February 2-4, 2017
Villa Mirafiori (Aula XII), Sapienza University of Rome, Italy