



**CPSP**  
CENTER FOR PHILOSOPHY  
SCIENCE AND POLICY

**30**  
TRENTESIMO ANNIVERSARIO



UNIVERSITÀ  
CAMPUS BIO-MEDICO  
DI ROMA

## PROBABILISTIC REASONING IN THE HEALTH SCIENCES

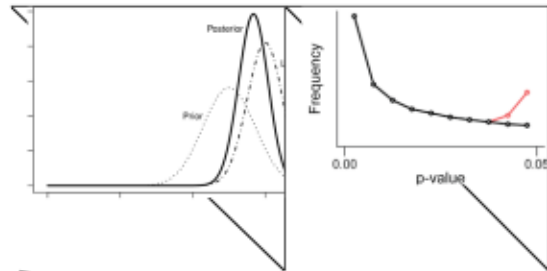
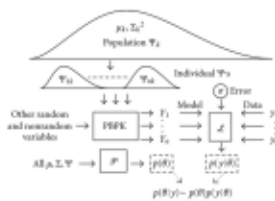
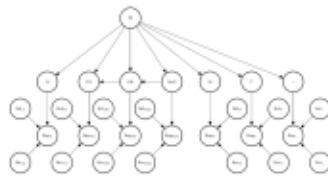
WEDNESDAY, 13<sup>TH</sup> DECEMBER 2023, ROME

HOTEL QUIRINALE, SALA MASCAGNI

### ORGANIZATION:

CENTER FOR PHILOSOPHY, SCIENCE, AND POLICY, UNIVPM (ANCONA)

UNITA' DI RICERCA DI FILOSOFIA DELLA SCIENZA E SVILUPPO UMANO - UNIVERSITÀ  
CAMPUS BIO-MEDICO DI ROMA



### PROGRAM

h. 14.00-14.15

#### Welcome and Introduction

h. 14.15-15.00: **Barbara Osimani**, Univpm, CPSP: "E-Synthesis": a Bayesian expert system for probabilistic causal assessment

h. 15.00-15.30: **Alex Gebharter**, Univpm, CPSP: Controlling and utilizing Uncertainty in the Health Sciences

h. 15.30-16.00: **Aldo Dragoni**, Univpm, CPSP: Bayes Theory and Dempster-Shafer Evidence Theory in support of Criminal Investigation

h. 16.00-16.30

#### Coffee Break

h. 16.30-17.00: **Laura Teodori**, già Dirigente ENEA, CPSP: *The use of big data and open-source platforms as a valuable tool for in silico probabilistic detection of significant disease molecular pathways*

h. 17.00-17.30: **Giampietro Gobo**, Università degli Studi di Milano, CPSP: *Spurious correlations: why are the causes difficult to detect?*

h. 17.00-17.30: **Discussion and Conclusion:** Marta Bertolaso, Stefano Bellucci, Pasqualina Castaldo, David Conversi, Enrico Di Stefano, Aldo Dragoni, Stefania De Matteo, Alexander Gebharter, Marco Giammarchi, Giampietro Gobo, Maria Laura Ilardo, Loredana Frasca, Nicola Matteucci, Barbara Osimani, Jacopo Parravicini, Roberto Piergentili, Laura Teodori, Leonardo Vignoli.

h. 18.00

#### Cocktail



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA

