

Monday October 27th 2025. 15.00-16.00Room Baker, Bâtiment Proline (Station Vennes)
Route de la Corniche 10, 1010 Lausanne

Demystifying Bayesian Meta-Analysis: A Practical Tool for Evidence Synthesis and Economic Evaluations

SPEAKER**PROF. GIAN LUCA DI TANNA, UNIVERSITY OF APPLIED SCIENCES AND ARTS OF SOUTHERN SWITZERLAND (SUPSI)**

Gian Luca Di Tanna is Full Professor of biostatistics and health economics at the University of Applied Sciences and Arts of Southern Switzerland (SUPSI), heading research in the Department of Business Economics, Health, and Social Care. His career focuses on applied statistical methodologies for clinical trials, evidence synthesis, and health economics, particularly Bayesian methods. He has held positions at Sapienza University of Rome, LSHTM, QMUL, University of Birmingham, and UNSW, and was listed among the World's Top 2% of Scientists (Stanford/Clarivate, 2023-2024).

ABSTRACT

Bayesian meta-analysis offers a flexible framework for evidence synthesis, addressing challenges where conventional approaches struggle: small studies, missing data, and incorporation of external evidence, while providing a more coherent interpretation of results. This approach particularly benefits living systematic reviews through natural posterior updating and health economics by providing probabilistic treatment effect estimates that propagate uncertainty through decision-analytic frameworks. Drawing from our book (Bayesian Meta-Analysis: A Practical Introduction, Grant & Di Tanna 2025, CRC Press), this presentation challenges the perception that Bayesian methods are inaccessible, providing practical guidance for researchers.