

Doctor of Philosophy (PhD) UNIMORE Programs in Clinical and Experimental Medicine, Neurosciences, Molecular and Regenerative Medicine

April 2023 Learning Activities

Program		
Days	Activity	Place
April 12-14, 2023	Residential course on “Research Methodology in the Biomedical Field”	Abbazia Matildica di Marola, Via del Seminario, 12, 42033 Marola di Carpineti (RE)

Docenti

Panoramica del corso

Dario Consonni, Fondazione IRCCS Ca' Granda Ospedale Policlinico & UNIMI –three-day course	The course aims at introducing and providing the key notions of research methodology in the biomedical field, focusing on the most recent and advanced epidemiologic and data analysis approaches. The course will address the issue of designing and carrying out research protocol in the biomedical, health-related fields, performing data analysis, shaping etiologic relations, and interpreting and reporting study results. The course will deal with the major epidemiological concepts regarding types of studies, measures of diseases frequency and association, systematic error or bias (validity) and random error (precision), type of variables, causality (causal diagrams), and methods to control confounding in the study design and analysis phase (regression models).
Marco Vinceti, UNIMORE (Thursday afternoon)	Causal inference in biomedical research: dismissing statistical significance and P-values, and revaluing Bradford-Hill criteria
Ermanno Cavalli (EFSA – European Artificial Intelligence to perform systematic reviews Food Safety Authority)	
Roberto D'Amico, UNIMORE (Friday afternoon)	Meta-analyses: an overview
Cinzia Del Giovane, UNIMORE (Friday afternoon)	Network meta-analyses
Tommaso Filippini, UNIMORE (Friday afternoon)	Dose-response meta-analysis
Anne Rutjes, UNIMORE (Friday afternoon)	Assessing the risk of bias in scientific research: principles and tools