II LEVEL MASTER
IN PRECLINICAL AND CLINICAL RESEARCH

COORDINATOR

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Corrado Confalonieri
Ethics Committee Secretariat
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Hospital Pharmacy
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Research and Innovation Unit, Biostatistician

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Stefano Valente
Medical Affairs Vaccines, Director MSD Italy, Roma
WEEK 1 ➤ DECEMBER 3rd, 2021
S. Esposito
Welcome to the course

S. Esposito
Introduce yourself

S. Esposito
Why bother with doing clinical research?

S. Esposito
Short survey on your expectations from this course

L. Fogassi
From the animal model to the clinical practice

G. Roti
The phases of preclinical research

WEEK 2 ➤ DECEMBER 10th, 2021
G. Costantino
Pharmacokinetics, pharmacogenetics and pharmacogenomics

WEEK 3 ➤ DECEMBER 17th, 2021
A. D’Aloia
Ethics of preclinical research
# II Level Master in Preclinical and Clinic Research

**Academic Year 2021-2022**

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<td>G. Roti: Drug discovery in oncology</td>
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<td>S. Belotti, G. Calvano: Development of new pharmaceutical formulations</td>
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<td>P. Piscitelli: From genetics to epigenetics</td>
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<td>A. Argentiero: Methodology and phases of clinical research</td>
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<td>S. Esposito: How to set up a non-profit clinical trial</td>
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<td>G. Maglietta: The importance of study design</td>
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<td>M. Tiseo: The importance of networks in clinical research</td>
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<td>S. Lagravinese: Good Clinical Practice</td>
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<td>I. Panni: Monitoring in clinical trials</td>
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<td>S. Mirandola: Collection, management and data quality</td>
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<td>R. Cecchi: Informed consent and legislative criticalities in clinical research</td>
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MARCH

WEEK 11 ➤ MARCH 4th, 2022
S. Ballarini
Drug development for registration purposes and IMP management

WEEK 12 ➤ MARCH 11th, 2022
C. Confalonieri
The Ethics Committees: role and function

WEEK 13 ➤ MARCH 18th, 2022
C. Caminiti
How to draw up a protocol

G. Maglietta
Special focus on sample size

WEEK 14 ➤ MARCH 25th, 2022
A. D’Aloia
Principles of bioethics in human studies
APRIL

WEEK 15 ► APRIL 1st, 2022
C. Caminiti
The role of professional figures and health structures

WEEK 16 ► APRIL 8th, 2022
G.M. Prandi
Investigator initiated study and company sponsored study: role of the CRO and of the pharmaceutical company in the management of adverse events
S. Valente
Development cycle of vaccines and other drugs: from medical needs to implementation of marketed product

WEEK 17 ► APRIL 15th, 2022
L.D. Notarangelo
Inborn errors of immunity: advances in treatment
G. Checcucci Lisi
Signal detection and management in pharmaco-vigilance: from theory to practice

WEEK 18 ► APRIL 22nd, 2022
A. Odone
Health Technology Assessment
D. Del Rio
Food and health: from laboratory research to the consumer

WEEK 19 ► APRIL 29th, 2022
C. Marano
Value of vaccination and communication against vaccine hesitancy
C. Marano
Therapeutic innovation and post-marketing surveillance

MAY

WEEK 20 ► MAY 6th, 2022
S. Esposito
Artificial intelligence and telemedicine in pediatrics

WEEK 21 ► MAY 13th, 2022
F. Scazzina
Food, health and sustainable development

WEEK 22 ► MAY 20th, 2022
A. Esposito, N. Sverzellati
Application of artificial intelligence in radiology: comparison between Centers
WEEK 23 ▶ OCTOBER 7th, 2022
L. Fabbri
Clinical trials in neonatology

WEEK 24 ▶ OCTOBER 14th, 2022
S. Esposito
Child is not a small adult

WEEK 25 ▶ OCTOBER 21st, 2022
M. Maggio
Clinical trials in the elderly

G. Checcucci Lisi
Vaccine development in high risk patients

M.L. Calzetti, N. Capretti, D. Garattini
The role of patients and their associations

WEEK 26 ▶ OCTOBER 28th, 2022
M. Goldoni
Bibliographic research, systematic review and meta-analysis

M. Goldoni
Basics of biostatistics

S. Esposito
From the protocol to the publication of a scientific article
CERTIFICATION ISSUED: Certificate
PROPOSING STRUCTURE: Department of Medicine and Surgery
DURATION: 12 months
TEACHING PROVISION: E-learning
STAGE/PROJECT WORK: 500 hours (to be carried out at your company / institution or at another company)
COST: 2,000,00 euro
COST FOR LISTENERS: 500,00 euro for each module
ATTENDACE % REQUIRED: 75
STAGE: 500 hours

ACCESS TITLES:

Holders of the following specialist degree classes can access the course: Medicine and Surgery (46/S), Odontology (LM/46), Nursing and Midwifery science (LM/SNT1), Veterinary Medicine (47/S), Pharmacy and industrial pharmacy (14/S), Agricultural Biotechnology (7/S), Industrial Biotechnology (8/S), Medical, Veterinary and Pharmaceutical Biotechnology (9/S), Industrial Biotechnology (8/S), Medical, Veterinary and Pharmaceutical Biotechnology (9/S) Biology (6/S), Human Nutrition Sciences (69/S), Chemical sciences (62/S), Physics (20/S), Agricultural sciences and technologies (77/S), Agri-food sciences and technologies (78/S), Computer science (23/S), Mathematics (45/S), Biomedical Engineering (26/S), Economics Sciences (64/S), Economics-Business Sciences (84/S), Law (22/S).

Degrees of the old system equivalent to those mentioned above.

Further qualifications may be assessed by the Executive Committee on the basis of scientific-cultural affinity with the subjects proposed in the Master, also taking into consideration the CV presented by the candidate.
Registration is available at the following link:
https://www.unipr.it/bandi/didattica/ricerca-preclinica-e-clinica-20212022

REGISTRATION FROM SEPTEMBER 6TH TO OCTOBER 13TH