



UNIVERSITÀ DI PARMA

ACADEMIC YEAR **2021**
2022

A collage of images from Parma, including the interior of the Parma Cathedral with its famous mosaics, the exterior of the cathedral, the Palazzo Municipale, and a detail of a classical painting.

II LEVEL MASTER IN PRECLINICAL AND CLINICAL RESEARCH

COORDINATOR

Susanna Esposito

Full Professor

Department of Medicine and Surgery

University of Parma, Parma (Italy)

PROFESSORS AND TEACHERS

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Full Professor of Human Nutrition

Rossana Cecchi

Full Professor of Legal Medicine

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Susanna Esposito

Full Professor of Pediatrics

Leonardo Fogassi

Full Professor of Physiology

Matteo Goldoni

Associate Professor of Medical Statistics

Marcello Giuseppe Maggio

Full Professor of Geriatrics

Giovanni Roti

Researcher in Hematology

Francesca Scazzina

Associate Professor of Human Nutrition

Nicola Sverzellati

Associate Professor of Radiology

Marcello Tiseo

Associate Professor of Oncology



O.U. FORMAZIONE POST-LAUREAM

University of Parma, Parma

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Giovanna Corazza

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University of Parma, Parma

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PARMA HOSPITAL

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Research and Innovation Unit, Director

Corrado Confalonieri

Ethics Committee Secretariat

Chiara Lamesta

Hospital Pharmacy

Giuseppe Maglietta

Research and Innovation Unit, Biostatistician

EXTERNAL TEACHERS

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Euro-Mediterranean Biomedical Scientific Institute,
ISBEM, Brindisi

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Assoc. Dir. Medical Affairs Vaccines, MSD Italia, Roma

Stefano Valente

Medical Affairs Vaccines, Director MSD Italy, Roma

CALL FOR APPLICATIONS
6TH SEPTEMBER 2021

CALL DEADLINE
22ND OCTOBER 2021

MODULE 1

DECEMBER

WEEK 1 ► DECEMBER 3rd, 2021

S. Esposito

Wellcome 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





ACADEMIC YEAR 2021-2022

II LEVEL MASTER IN PRECLINICAL AND CLINIC RESEARCH

JANUARY

WEEK 4 ► JANUARY 7th, 2022

G. Roti

Drug discovery in oncology

S. Belotti, G. Calvano

Development of new
pharmaceutical formulations

WEEK 5 ► JANUARY 14th, 2022

P. Piscitelli

From genetics to epigenetics

WEEK 6 ► JANUARY 21st, 2022

C. Lamesta

Equivalent drugs and biosimilars

FEBRUARY

WEEK 7 ► FEBRUARY 4th, 2022

A. Argentiero

Methodology and phases of clinical research

M. Tiseo

Special focus on phase 1

WEEK 8 ► FEBRUARY 11th, 2022

S. Esposito

How to set up a non-profit clinical trial

G. Maglietta

The importance of study design

M. Tiseo

The importance of networks in clinical research

WEEK 9 ► FEBRUARY 18th, 2022

S. Lagravinese

Good Clinical Practice

WEEK 10 ► FEBRUARY 25th, 2022

I. Panni

Monitoring in clinical trials

S. Mirandola

Collection, management and data quality

R. Cecchi

Informed consent and legislative criticalities in
clinical research

MODULE 2

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 pharmacovigilance: 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

MODULE 2

OCTOBER

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



ACADEMIC YEAR 2021-2022

II LEVEL MASTER IN PRECLINICAL AND CLINIC RESEARCH



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

ATTENDANCE % REQUIRED: 75

STAGE: 500 hours

FURTHER INFORMATION:

ctu.pediatriaparma@gmail.com

ACCESS TITLES:

Master's degree in Biotechnology (LM-07/LM-08/LM-09), Biological Sciences (LM-06), Chemical Sciences (LM-54), Physics (LM-17), Sciences and Technologies Agricultural (LM-69), Computer Science (LM-18), Mathematics (LM-40), Engineering (LM-21/LM-22), Food Science and Technology (LM-70), Economics- Corporate (LM-77), Jurisprudence (LMG-01).

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 (28/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.

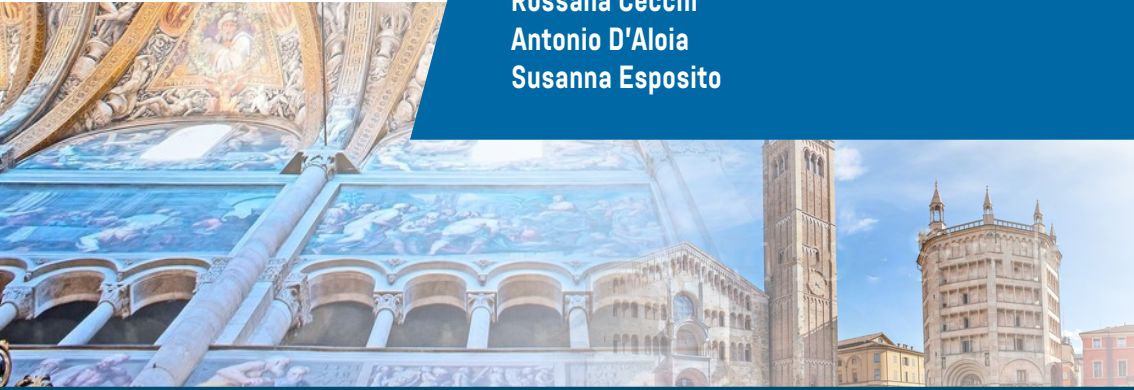
Registration is available at the following link:

<https://www.unipr.it/bandi/didattica/ricerca-preclinica-e-clinica-20202021>

REGISTRATION FROM SEPTEMBER 6ST TO OCTOBER 13TH

EXECUTIVE COMMITTEE

Alberto Argentiero
Caterina Caminiti
Rossana Cecchi
Antonio D'Aloia
Susanna Esposito



WITH INTERVENTIONS OF SPEAKERS FROM:

Fondazione Penta

INCiPIT network

Istituto Superiore di Sanità

FOR INFORMATION

CLICK



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