



UNIVERSITÀ DI PARMA

ACADEMIC YEAR **2020**
2021

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

UNIPR

University of Parma, Parma

Alberto Argentiero

Research Fellow UNIPR

Antonio D'Aloia

Full Professor of Administrative Law

Daniele Del Rio

Associate Professor of Human Nutrition

Rossana Cecchi

Full Professor of Legal Medicine

Susanna Esposito

Full Professor of Pediatrics

Leonardo Fogassi

Full Professor of Physiology

Lorella Franzoni

Associate Professor of Pharmacology

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

Caterina Mantovani

Giovanna Corazza

O.U. DEPARTMENTAL ADMINISTRATION

University of Parma, Parma

Giorgetta Leporati

PARMA HOSPITAL

Caterina Caminiti

OU Innovation and Research, Director

Corrado Confalonieri

Ethics Committee Secretariat

Giuseppe Maglietta

OU Innovation and Research, Biostatistician

Alessandra Zanardi

Hospital Pharmacy Director

EXTERNAL TEACHERS

Stefania Ballarini

Vifor Pharma, Geneva, Switzerland

Maria Lisa Calzetti

Associazione per l'Aiuto ai Giovani con Diabete (AGD) Parma, Parma

Nella Capretti

Associazione Noi per Loro, Parma

Giovanni Checcucci Lisi

Medical Director Sanofi, Rome

Andrea Esposito

Radiology Unit, IRCCS Policlinico Hospital, Milan

Laura Fabbri

Head of Neonatology Clinical Unit, Chiesi, Parma

Stefano Lagravinese

ClinOpsHub srls, Brindisi

Cinzia Marano

Medical Director, GSK Vaccines, Verona

Luigi Notarangelo

National Institute of Allergy and Infectious Diseases, NIH,
Washington DC, USA

Anna Odone

Full Professor of General and Applied Hygiene,
University of Pavia, Pavia

Palmina Perri

Lega Italiana Fibrosi Cistica (LIFC) Emilia, Parma

Prisco Piscitelli

Euro-Mediterranean Biomedical Scientific Institute,
ISBEM, Brindisi

Gian Marco Prandi

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

Stefano Valente

Medical Affairs Vaccines, Director MSD Italy,
Roma

CALL FOR APPLICATIONS
7TH SEPTEMBER 2020

CALL DEADLINE
23TH OCTOBER 2020

MODULE 1

ACADEMIC YEAR 2020-2021

II LEVEL MASTER IN PRECLINICAL AND CLINIC RESEARCH

DECEMBER

WEEK 1 ► DECEMBER 4th, 2020

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 11th, 2020

L. Franzoni

Pharmacokinetics, pharmacogenetics and pharmacogenomics

WEEK 3 ► DECEMBER 18th, 2020

A. D'Aloia

Ethics of preclinical research

JANUARY

WEEK 4 ► JANUARY 8th, 2021

G. Roti

Drug discovery in oncology

L. Fabbri

Drug design and development of new pharmaceutical formulations

WEEK 5 ► JANUARY 15th, 2021

P. Piscitelli

From genetics to epigenetics

WEEK 6 ► JANUARY 22nd, 2021

A. Zanardi

Equivalent drugs and biosimilars

FEBRUARY

WEEK 7 ► FEBRUARY 5th, 2021

A. Argentiero

Methodology and phases of clinical research

M. Tiseo

Special focus on phase 1

WEEK 8 ► FEBRUARY 12th, 2021

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 19th, 2021

S. Lagravinese

Good Clinical Practice

WEEK 10 ► FEBRUARY 26th, 2021

L. Fabbri

Monitoring in clinical trials

L. Fabbri

Collection, management and data quality

R. Cecchi

Informed consent and legislative criticalities in clinical research

MODULE 2

ACADEMIC YEAR 2020-2021

II LEVEL MASTER IN PRECLINICAL AND CLINIC RESEARCH

MARCH

WEEK 11 ► MARCH 5th, 2021

S. Ballarini

Drug development for registration purposes and IMP management

WEEK 12 ► MARCH 12th, 2021

C. Confalonieri

The Ethics Committees: role and function

WEEK 13 ► MARCH 19th, 2021

C. Caminiti

How to draw up a protocol

G. Maglietta

Special focus on sample size

WEEK 14 ► MARCH 26th, 2021

A. D'Aloia

Principles of bioethics in human studies

APRIL

WEEK 15 ► APRIL 2nd, 2021

C. Caminiti

The role of professional figures and health structures

WEEK 16 ► APRIL 9th, 2021

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 16th, 2021

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 23rd, 2021

A. Odone

Health Technology Assessment

D. Del Rio

Food and health: from laboratory research to the consumer

WEEK 19 ► APRIL 30th, 2021

C. Marano

Value of vaccination and communication against vaccine hesitancy

C. Marano

Therapeutic innovation and post-marketing surveillance

MAY

WEEK 20 ► MAY 7th, 2021

S. Esposito

Artificial intelligence and telemedicine in pediatrics

WEEK 21 ► MAY 14th, 2021

F. Scazzina

Food, health and sustainable development

WEEK 22 ► MAY 21st, 2021

A. Esposito, N. Sverzellati

Application of artificial intelligence in radiology: comparison between Centers

MODULE 2

ACADEMIC YEAR 2020-2021

II LEVEL MASTER IN PRECLINICAL AND CLINIC RESEARCH

OCTOBER

WEEK 23 ► OCTOBER 1st, 2021

L. Fabbri

Clinical trials in neonatology

WEEK 24 ► OCTOBER 8th, 2021

S. Esposito

Child is not a small adult

WEEK 25 ► OCTOBER 15th, 2021

M. Maggio

Clinical trials in the elderly

G. Checcucci Lisi

Vaccine development in high risk patients

M.L. Calzetti, N. Capretti, P. Perri

The role of patients and their associations

WEEK 26 ► OCTOBER 22nd, 2021

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**

COST: **2.000,00 euro**

COST FOR LISTENERS: **500,00 euro**

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 (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-20202021>

DEADLINE FOR REGISTRATION: OCTOBER 23rd



EXECUTIVE COMMITTEE

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

WITH INTERVENTIONS OF SPEAKERS FROM:

Bill & Melinda Gates Foundation, Seattle, WA, USA
Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA
European Centre for Disease Prevention and Control (ECDC), Solna (Stockholm), Sweden
European Medicines Agency (EMA), Amsterdam, The Netherlands
Fondazione Penta
ICON
INCiPIT network
IQVIA
IRCCS Ospedale Pediatrico Bambino Gesù
Istituto Superiore di Sanità
Ministero della Salute
Organizzazione Mondiale della Sanità, Ginevra, Svizzera
Parexel
PPD
UNESCO