

THEORETICAL ADVANCED COURSE ON

PHARMACOLOGICAL DEVELOPMENT: FROM ORGANIC SYNTHESIS TO CLINICAL TRIALS

JULY 1-12

AIM:

THE COURSE WILL INCLUDE THEORETICAL MODULES AND SEMINARS. THE MAIN OBJECTIVE IS TO OVERVIEW THE DIFFERENT PHASES OF DRUG DEVELOPMENT: FROM ORGANIC SYNTHESIS TO CLINICAL TRIALS WITH EMPHASIS ON BIOCHEMICAL PRE-CLINICAL STUDIES AND GOOD CLINICAL PRACTICE (GCP) PROCEDURES DURING CLINICAL TRIALS.

LECTURERS

J. TOMÉ DEP. QUÍMICA, UAVEIRO
P. OLIVEIRA CNC UCOIMBRA
V. SARDÃO CNC UCOIMBRA
A. BRITO FAC. FARMÁCIA, ULISBOA
A. P. SILVA FAC. MEDICINA, UCOIMBRA
P. MACIEL ICVS, UMINHO
F. BALTAZAR ICVS, UMINHO
C. PEREIRA-WILSON CBMA, UMINHO
A. PRETO CBMA, UMINHO
A. RAMOS CBMA, UMINHO
D.P. COUTINHO CBMA, UMINHO
INFARMED

TOPICS

OVERVIEW OF FUNDAMENTAL PHARMACOLOGY

PROCESSES IN ORGANIC SYNTHESIS:

- CHEMICAL CHARACTERIZATION, STRUCTURE MODIFICATION FOR INTERACTION WITH A SPECIFIC TARGET;
- BIOMEDICAL APPLICATIONS FOR PHOTOACTIVE MOLECULES;

ISSUES ON BIOCHEMICAL PHARMACOLOGY:

- TREATMENT AND COLON CANCER PREVENTION;
- MONOCARBOXYLATE TRANSPORTERS (MCTs) AS NEW TARGETS FOR CANCER THERAPY;
- MODELLING MACHADO-JOSEPH DISEASE IN MOUSE AND *C. ELEGANS*;
- MITOCHONDRIA AS A PERFECT DRUG TARGET IN HEALTH AND DISEASE;
- MODULATION AND TRANSPORT ACROSS BLOOD-BRAIN BARRIER (BBB);
- ABUSE DRUGS AND THE FUNCTIONAL BRAIN;
- PHYTOESTROGENS VS HORMONAL THERAPY.

CLINICAL TRIALS IMPLEMENTATION, NEW DRUGS APPROVAL AND PHARMACOVIGILANCE

COURSE COORDINATION:

OLGA P. COUTINHO
CBMA-DB, UNIVERSITY OF MINHO, PORTUGAL

REGISTRATION DEADLINE:

26 JUNE 2013

COURSE FEE:

100€

MORE INFORMATION:

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