

PRINCIPLES AND PRACTICE IN DRUG DEVELOPMENT

CNC Advanced Courses 2021

Doctoral Program in Experimental Biology
and Biomedicine (PDBEB)

May 17 - 28, 2021

Coordinators:

João Nuno Moreira, Luís Pereira de Almeida, Sérgio Simões, Stan Finkelstein

PROGRAM

MONDAY | MAY 17

10.30 h - Introduction to the course

João Nuno Moreira - PhD

(CNC and Faculty of Pharmacy, University of Coimbra)

Luís Pereira de Almeida - PhD

(CNC and Faculty of Pharmacy, University of Coimbra)

Sérgio Simões - PhD

(CNC and Faculty of Pharmacy, University of Coimbra)

Stan N. Finkelstein - MD, PhD

(Senior Research Assistant in the MIT Engineering Systems Division and Associate Professor of Medicine at Harvard Medical School)

16:00 h - Re-Engineering the Drug Business

Robert Mulroy -

(Chairman and CEO of Partners Therapeutics, Inc)

TUESDAY | MAY 18

10.30 h - Translational cancer nanomedicine: from a FCT-funded project to drug development

João Nuno Moreira - PhD

(CNC and Faculty of Pharmacy, University of Coimbra)

15.00 h - Evolving economics of the pharmaceutical industry

Stan N. Finkelstein - MD, PhD

(Senior Research Scientist in the MIT Engineering Systems Division and Associate Professor of Medicine, Harvard Medical School)

WEDNESDAY | MAY 19

10.00 h - Modeling chemistry and biology in drug discovery

Marco Neves - PhD

(BIAL, Indústria Farmacêutica, Portugal)

11.30 h - Development of small molecule inhibitors for treatment of CNS disorders

Laszlo Kiss - PhD

(BIAL, Indústria Farmacêutica, Portugal)

14.30 h - Pharmacology and toxicology of new chemical entities

Nuno M. Pires - PhD

(BIAL, Indústria Farmacêutica, Portugal)

16:00 h - Clinical development of new chemical entities

Joana Moreira - Pharm D

(BIAL, Indústria Farmacêutica, Portugal)

THURSDAY | MAY 20

10.00 h - Some issues in drug development: discussion of case studies

Miguel Prazeres - PhD

(Instituto Superior Técnico, Technical University of Lisbon)

15.00 h - FDA Process, Off-Label Prescribing, Insurance Coverage

Stan N. Finkelstein - MD, PhD

(Senior Research Assistant in the MIT Engineering Systems Division and Associate Professor of Medicine at Harvard Medical School)

FRIDAY | MAY 21

9.00 h - Bluepharma Pharmaceutical Industry SA: from development of generics to innovative research: virtual visit

Sérgio Simões - PhD

14.00 h - New non-viral options for therapeutic delivery

Koen Breyne - PhD

(Department of Neurology, Massachusetts General Hospital, Harvard Medical School)

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MONDAY | MAY 24

10.00 h - Gene and Cell therapy Medicinal Products

Luís Pereira de Almeida - PhD (CNC)

Rui Nobre - PhD (CNC)

Liliana Mendonça - PhD (CNC)

Magda Santana - PhD (CNC)

16.00 h - The Quest for Better Treatments: Drug Development and Regulatory Challenges

Bruno Sepodes - PhD

(Universidade de Lisboa (Portugal) / European Medicines Agency (EMA))

18.00 h - Global regulation and reliance: from medicinal products to integrated health technologies

Rogério Gaspar – PhD

(Director, Department of Regulation and Prequalification, WHO, Geneva)

TUESDAY | MAY 25

10.00 h - Molecular Imaging and Drug Development

Antero Abrunhosa - PhD

(Instituto de Ciências Nucleares Aplicadas à Saúde - ICNAS)

16.00 h - Translational insights into clinical trials: application of molecular and cellular data to understand efficacy in patient segments

Daniel Lopes de Menezes - BPharm, MScPharm, PhD

(Associate Director, Late-Stage Translational Development, Celgene)

WEDNESDAY | MAY 26

16.00 h - Drug Discovery and Development at PTC Therapeutics: Small Molecules to Gene Therapy

Amal Dakka - PhD

(Director External Innovations & Alliance Management at PTC Therapeutics, Inc.)

THURSDAY | MAY 27

10.00 h - Dry Powder Inhalation Solutions.

Cláudia Moura - PhD

(Senior Scientist, Oral Process Development Group, Hovione)

Friday | May 28

09.30 h - Students presentations