



PHD PROGRAM IN PHARMACY
FACULDADE DE FARMÁCIA, UNIVERSIDADE DE LISBOA

PhD and Postgraduate Advanced Course

ADVANCED DRUG DELIVERY
28th-31st October 2024

PRELIMINARY PROGRAMME

Monday – 28/10/2024

Drug Delivery – Fundamentals

09:00h - *3D cancer models*

Ronit, Satchi-Fainaro, University of Tel Aviv, Israel

09:50h – Discussion

10:00h - *3D Printing for drug delivery*

Joana Marto, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

10:50h – Discussion

11:00h – Coffee break

11:30h – *Advanced Drug Delivery: a practical PK approach*

Paulo Paixão, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa, Portugal

12:20h – Discussion

12:30h - Lunch Break

Overcoming Biological Barriers

14:30h - *Lipid nanoparticles for drug targeting to the brain*

Carla Vitorino, Faculty of Pharmacy, University of Coimbra, Portugal

15:20h – Discussion

15:30h - *Nose-to-brain delivery*

Adriana Oliveria Santos, University of Beira Interior, Portugal

16:20h – Discussion

Thursday - 29/10/2023

Innovative Technologies in drug manufacturing and delivery

09:30h - *Microfluidics*

João Pedro Conde, INESC-IST, Instituto Superior Técnico, Universidade de Lisboa

10:20h – Discussion

10:30h – Coffee break

11:00h - *Organs in a Chip*

Madalena Cipriano, Fraunhofer Institute, Stuttgart, Germany

11:50h – Discussion

12:00h - Lunch Break

14:00h – *PAT tools toward translational advanced drug delivery*

João Almeida Lopes, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

14:50h – Discussion

15:00h – *Advanced therapies*

Fátima Ventura, INFARMED – National Authority for Medicament and Health Products, Portugal

15:50h – Discussion

Wednesday - 30/10/2024

Delivery Strategies

09:30h - *Overcoming the skin barrier*

Sandra Simões, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

10:20h – Discussion

10:30h – Coffee break

11:00h - *Breaking Boundaries: Revolutionizing the Treatment of Superficial and Localized Cancers by a Minimally Invasive Strategy*

Catarina Reis, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

11:50h – Discussion

12:00h – Lunch break

14:00h - *Extracellular vesicles for drug delivery*

Edorta Santos Vizcaíno, University of the Basque Country (UPV/EHU)

14:50h – Discussion

15:00h – *Regulation of cancer immunity using advanced nanodelivery systems*

Rita Acurcio, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

15:50 h – Discussion

16:00h – Coffee break

16h30h – *Advances in drug targeting by antibodies and cell engineering*

João Gonçalves, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

17h20h – Discussion

Thursday - 31/10/2024

Therapeutic Proteins

09:30h - Stabilization of therapeutic proteins for advanced drug delivery

Ana Paula Leandro, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

10:20h – Discussion

10:30h – Coffee break

11:00h - *Challenges in the development of drug delivery systems for proteins*

Luísa Corvo, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

11:50h – Discussion

12:00h - Lunch Break

14:00h - *In silico discovery of novel protein as potential targets for drug delivery*

Rita Guedes, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

14:50h – Discussion

15:00h - *Nanotoxicology*

Ana Francisca, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa

15:50h – Discussion

16:00h – Coffee break

16:30h - *Proteins below the freezing temperature, unveiling thermostability and accelerating formulation by cold*

Miguel Ângelo Rodrigues, Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa

17:20h – Discussion

17:30h – End of Course