

# Drug Discovery 2030

## A Roadmap for a New Decade

### Program | Week #1

#### Virtual event

#### Day #1 – June 26

##### | Drug Discovery Strategies I

- 18:00 – 18:10 Welcome Serge Van Calenbergh (*University of Gent, Belgium*) | Moderator | Sofia Benfeito (*University of Porto, Portugal*)
- 18:10 – 18:55 Structure-based drug design as an enabling tool toward novel therapeutics in infectious diseases and neurodegenerative disorders | Margherita Brindisi, (*University of Naples Federico II, Italy*)
- 18:55 – 19:05 Q&A
- 19:05 – 19:50 Proteomics-based approach in drug discovery | Fabrizio Dal Piaz (*University of Salerno, Italy*)
- 19:50 – 20:00 Q&A

#### Day #2 – June 27

##### | Drug Discovery Strategies II

- 18:00 – 18:10 Moderator | Massimiliano Runfola (*University of Oxford, UK*)
- 18:10 – 18:55 Structural biophysics in drug discovery | Gianpiero Garau (*NEST - IIT, Italy*)
- 18:55 – 19:05 Q&A
- 19:05 – 19:50 *In silico* approaches in drug design and drug discovery | Simona Distinto and Antonio Lupia (*University of Cagliari, Italy*)
- 19:50 – 20:00 Q&A

#### Day #3 – June 28

##### | New Modalities in Drug Discovery

- 18:00 – 18:10 Moderator | Daniel Chavarria (*University of Porto, Portugal*)
- 18:10 – 18:55 Mono- and Bivalent Degradors | Serge Van Calenbergh (*University of Gent, Belgium*)
- 18:55 – 19:05 Q&A
- 19:05 – 19:50 Covalent Inhibitors Targeting the Protein Kinases' Cysteinome | Matthias Gehringer (*University of Tübingen, Germany*)
- 19:50 – 20:00 Q&A

#### Day #4 – June 29

##### | Tackling Challenges in Drug Discovery

- 18:00 – 18:10 Moderator | Simona Sestito (*University of Sassari, Italy*)
- 18:10 – 18:55 Prodrugs, from Improved Delivery to Spatiotemporal API release | Serge Van Calenbergh (*University of Gent, Belgium*)
- 18:55 – 19:05 Q&A
- 19:05 – 19:50 Targeted drug delivery systems: Selective bioconjugation of proteins and antibodies with bioactive molecules | Maria Matos (*University of Porto, Portugal*)
- 19:50 – 20:00 Q&A

#### Day #5 – June 30

##### | Preclinical Drug Discovery

- 18:00 – 18:10 Moderator | Carlos Fernandes (*University of Porto, Portugal*)
- 18:10 – 18:55 Application of biomimetic HPLC to accelerate the lead optimisation of early drug discovery compounds" | Klara Valko (*Bio-Mimetic Chromatography Ltd, UK*)
- 18:55 – 19:05 Q&A
- 19:05 – 19:50 Alternative *in vivo* models | Maria Marchese (*IRCCS Stella Maris, Italy*)
- 19:50 – 20:00 Q&A

The time is represented as Central Europe Summer Time (GMT+2).

Link for virtual classes : <https://fc-up-pt.zoom.us/j/82992972689>

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## A Roadmap for a New Decade

Program | Week #3

Virtual event

July 12

| Closing session

- 14:30 – 14:40 Moderator | Lisa Sequeira (*University of Porto, Portugal*)
- 14:40 – 15:50 Pharmaceutical inventions and patents | Cattaneo Elisabetta (*Notarbartollo & Gervasi, Italy*)
- 15:50 – 16:00 Q&A
- 16:00 – 16:30 Concluding remarks | Course Coordinators  
University of Porto, Fernanda Borges  
University of Pisa, Simona Rapposelli  
University of Cagliari, Elias Maccioni  
University of Gent, Serge Van Calenbergh

The time is represented as Central Europe Summer Time (GMT+2).

Link for virtual classes: <https://fc-up-pt.zoom.us/j/84992379183>