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STEPUPIORS

ATHENS, JUNE 01-02, 2023

STEPUPIORS workshop

Omics data generation and integration with clinical information

Venue: Hotel Coral, located in the suburb of Palaio Faliro.
Leof. Poseidonos 35, Palaio Faliro 175 61 **www.coralhotel.gr**

General description

The workshop on omics approaches will introduce the main principles of proteomics, transcriptomics and genomics along with computational tools for integrating omics datasets and for establishing connections with clinical information. This workshop will also highlight the statistical and bioinformatics tools available for analysis of omics and clinical data.

Teaching objectives

1. Obtain a global view of omics approaches and their potential use in the clinical setting
2. Develop critical thinking by thorough evaluation of omics datasets and their limitations for clinical applications

INSTITUT ZA ONKOLOGIJU I RADIOLOGIJU SRBIJE · IDIBAPS · CLÍNIC BARCELONA Hospital Universitari · Clínic Barcelona · UNIVERSITAT DE BARCELONA · NETHERLANDS CANCER INSTITUTE · IIBEAA · ΑΚΑΔΗΜΙΑ ΑΘΗΝΩΝ

Thursday June 1st (Athens time, GMT+3)

DAILY PROGRAM

09:00-09:10 Welcome and Introduction
Milena Cavic, Makis Zoidakis, Sergi Castellví-Bel, Remond Fijneman

09:10-09:50 Clinical Proteomics
Tonia Vlahou (BRFAA)

09:50-10:30 Clinical Transcriptomics
Soufyan Lakbir (NKI-AVL)

10:30-11:00 Coffee break

11:00-11:40 Epigenomics in Cancer Research
Miljana Tanic (IORS)

11:40-12:20 Metabolomics in Cancer Research
Ana Djuric (IORS)

12:20-13:00 Mass Cytometry Clinical applications
Nikos Paschalidis (BRFAA)

13:00-14:30 Lunch

14:30-15:10 Gene editing
Xavier Dominguez-Rovira (FRCB-IDIBAPS)

15:10-15:50 HAP-1 cellular model
Gemma Llargués (FRCB-IDIBAPS)

15:50-16:20 Coffee break

16:20-17:00 Organoids modeling
Laia Bonjoch (FRCB-IDIBAPS)

17:00-17:40 Fragmentomics in cancer research
Alessandro Leal (Delfi Diagnostics) (online)

19:30 Dinner: The Tavern Beach Restaurant, Leof. Poseidonos 72, Paleo Faliro 17562
www.poseidonhotel.com.gr/the-tavern/

Friday June 2nd (Athens time, GMT+3)

DAILY PROGRAM

09:00-09:45 Cancer diagnosis using circulating tumor DNA
Remond Fijneman (NKI-AVL)

09:45-10:30 Discovery of common and rare genetic risk variants for colorectal cancer
Sergi Castellví-Bel (FRCB-IDIBAPS)

10:30-11:00 Coffee break

11:00-11:45 Predicting response to chemoradiotherapy in rectal cancer using omics approaches
Mladen Marinkovic, Aleksandra Stanojevic, Milena Cavic (IORS)

11:45-12:30 Transcriptomics in hematological malignancies
Christos Kontos (NKUA)

12:30-14:00 Lunch

14:00-14:45 Amyloid typing by mass spectrometry
Julie Courraud (NKUA)

14:45-15:30 Chemoproteomics approaches for the identification of therapeutic targets in cancer
Guillaume Médard (NKUA)

15:30-16:00 Coffee break

16:00-16:45 Multiplex ELISA for biomarker validation and clinical implementation
Leonidas Alexopoulos (PROTAVIO) www.protavio.com

16:45-17:30 Biomarker ruin in urine
Makis Zoidakis (BRFAA)

17:30-17:45 Concluding remarks
Makis Zoidakis, Sergi Castellví-Bel, Remond Fijneman, Milena Cavic

LOGIN INFORMATION:

Thursday June 1st

Topic:

STEPUPIORS WORKSHOP - OMICS DATA GENERATION AND INTEGRATION WITH CLINICAL INFORMATION – DAY 1

Time: Jun 1, 2023 09:00 AM Athens

JOIN ZOOM MEETING

Meeting ID: 856 8278 8875
Passcode: 870977

Friday June 2nd

Topic:

STEPUPIORS WORKSHOP - OMICS DATA GENERATION AND INTEGRATION WITH CLINICAL INFORMATION – DAY 2

Time: Jun 2, 2023 09:00 AM Athens

JOIN ZOOM MEETING

Meeting ID: 876 2608 4546
Passcode: 172706