



## **Summer School on Natural Drug Products** *From theory to current research and application*

### **Preliminary Agenda**

#### **Monday 4.7.2022**

8:00-9:00

Welcome reception

9:00-9:15

Welcoming by the organizing committee

9:20-9:40

Welcoming round-Teambuilding activity

9.45-10:00

A glance at the History of Natural Products and modern medicines (monoclonal antibodies and CAR-T cells drugs). Prof. E. Skaltsa, NKUA

10:00-11:00

Medicinal Plants in Traditional Medicines of South Africa (Ethnopharmacology). Prof. N. Lall, University of Pretoria

11:00-11:15

Coffee break

11:15-12:15

Medicinal Plants in Traditional Medicines of Mediterranean area (Ethnopharmacology). Prof. E. Skaltsa, NKUA

12:15-12:45

Round Table discussion: similarities and differences in the described Traditional Medicines.

12:45-14:00

Literature Research: different topics relative to the program's theme will be provided to the students. They will be divided into small groups for searching and preparing a presentation.

14:00-15:00

Lunch break

15:00-16:00

Chemistry of Natural Products. Prof. E. Skaltsa, NKUA

16:00-17:00

QSAR models for Natural Products. Prof. R. Ancuceanu, Carol Davila University of Medicine and Pharmacy

**Tuesday 5.7.2022**

9:00-10:00

Anthocyanins and Stroke. Lect. E. Oprea, University of Bucharest

10:00-11:00

Coffee and caffeine. Lect. L. Ruta, University of Bucharest

11:00-11:15

Coffee break

11:15-12:15

Mode of action; studies of antibacterial natural products. Prof. H. Brötz-Oesterhelt, University of Tübingen

12:15-13:15

Formulation and in vitro/ex vivo/in vivo evaluation of natural products with enhanced biopharmaceutical and pharmacokinetic properties. Prof. G. Valsami, NKUA

13:15-14:00

Lunch break

14:00-15:00

Different skin pharmacological and toxicological assays of natural drugs. Assoc. Prof. M. Rallis, NKUA

15:00-16:00

Natural products loaded in nanocarriers. Prof. AR Bilia, University of Florence

16:00-17:00

Application of Quality by Design (QbD) in pharmaceutical development. Assoc. Prof. D. M. Rekkas, NKUA

**Wednesday 6.7.2022**

9:00-10:00

Natural Products from Lab to Shelve. Prof. N. Lall (University of Pretoria)

10:00-11:00

Phytotherapy. Prof. E. Skaltsa (NKUA)

11:00-11:15

Coffee break

11:15-12:15

Gemmotherapy, the scientific basis of Meristemotherapy (Part of Phytotherapy). Prof. M. Nicoletti (University Sapienza of Rome)

12:15-13:15

Mediterranean Diet and Sustainable food systems. Prof. A. Trichopoulou (Hellenic Health Foundation and NKUA)

13:15-14:00

Lunch break

14:00-15:00

Marine Natural Products. Ass. Prof. E. Mevers, Virginia Polytechnic Institute and State University

15:00-18:00

Laboratory practices [distillation of essential oil, GC-MS analyses; preparation of end-products (formulations)]

#### **Thursday 7.7.2022**

9:00-13:00

Visit in a pharmaceutical industry

13:00-14:00

Lunch break

14:00-15:00

Round table discussions with academic and non-academic experts as guest speakers (local pharmacists, representatives of the Greek Committee for continuing Education & CPD of community pharmacists (IDEEAF) and persons from industry

15:00-17:00

Presentations: students will make the presentations relative to the program's theme.

#### **Friday 8.7.2022**

9:00-11:00

Young Researcher's Talks

11:00-11:15

Coffee break

11:15-13:15

Young Researcher's Talks

13.15-14.00

Lunch break

14:00-17:00  
Young Researcher's Talks

19:00-20:00  
Closing Ceremony

