

Training in Advanced Toxicology (Bulgarian Toxicology Society, EUROTOX, IUTOX)

with support of



Technical University Sofia - Centre of Mechatronics and Clean Technology



National Centre of Public Health and Analyses

RISK ASSESSMENT IN REGULATORY TOXICOLOGY CONTEMPORARY METHODOLOGY

16 – 20 October 2023

**Taining Venue - Technical University Sofia - Centre of Mechatronics and Clean Technology,
Accommodation – Vitosha Park Hotel - <https://www.vitoshaparkhotel.com/>**

Preliminary Program

The program may undergo minor changes depending on the availability of lecturers

DAY 0: Sunday, October 15th, 2023

Arrival of lecturers, tutors, long distance participants

DAY 1: Monday, October 16th, 2023

Introduction to Hazard identification, Risk Assessment and Risk Management

9:00 – 9:30 - Welcome and Introduction of faculty and participants

9.30 - 10.15 - Introduction to toxicological safety evaluation (prof C.L. Galli, ERT, University of Milan, Italy)

10:15 - 11:00 - Principles of risk assessment (prof C.L. Galli, ERT, University of Milan, Italy)

11:00 - 11:30 Coffee Break

11:30– 12:45 - Risk communication, risk management and risk benefit analysis (Prof. Gonca CAKMAK, ERT, Gazi University, Faculty of Pharmacy, Ankara, Turkey)

12:45 – 13:30 - Lunch

13:30 - 14.15 - Data collection and exposure assessment and risk characterization: use of human data in chemical risk assessment (Alexa, Meinhardt, Corteva, Italy)

14:15 - 15:30 - New Approach Methodologies in 21st toxicology: 3D models, human on chip, etc. (Prof. Thomas Hartung, Johns Hopkins Bloomberg School of Public Health, Baltimore, US)

15:30 - 16: 15 - Machine Learning and Artificial Intelligence in Toxicological Sciences (Prof. Thomas Hartung, Johns Hopkins Bloomberg School of Public Health, Baltimore, US)

16:15 - 16:30 Coffee Break

16:30 - 17:00 Selection of the Study Groups (Introduction to Case Studies)

19:00 Welcome dinner

DAY 2: Tuesday, October 17th, 2023

Contemporary Methodology in Toxicology

9:00 - 9:45 - Toxicity testis – Alternative methods (Prof Dr N. Basaran, ERT, Baskent University, Ankara , Turkey)

9:45 - 10:30 -Alternative methods in toxicology: the concept of the Adverse Outcome Pathway (Dr.Jean-Lou Dorne, EFSA)

10:30 - 11:00 Coffee Break

11:00- 11:45 - Alternative methods in immunotoxicology (prof E. Corsini, University of Milan, Italy)

12:30 - 14:00 Lunch

14:00- 14:30 Principles of risk assessment in Occupational Toxicology (prof K. Lybomirova, ERT, Medical University, Sofia, Bulgaria)

14:30 – 15:15 Emerging risks (prof. Tz. Georgieva, ERT, National Centre of Public Health and Analyses, Sofia, Bulgaria)

15:15 – 15:30 Coffee Break

15:00 – 17:00 Study Groups

DAY 3: Wednesday, October 18th, 2023

Examples of specific class of chemicals/products

9:00 - 9:45 Safety evaluation of cosmetics (prof. K. Lyubomirova, ERT, Medical University, Sofia, Bulgaria)

9:45: - 10:30 Safety evaluation of nanomaterials (Prof V.Tzankova, ERT, Medical University , Sofia, Bulgaria)

10.30-11.00- Coffee Break

11:00 - 11.45 Safety evaluation of drugs and biologicals (Thomas Weiser, CH)

11:45 – 12:30 Safety evaluation of mixtures (Jean Luc Dorne, EFSA)

12:30 – 13:30 Lunch

13:30 - 14:15 Safety evaluation of pesticides ((Prof Dr N. Basaran, ERT, Baskent University, Ankara , Turkey)

14:15 - 15:00 Safety evaluation of medical devices (Prof M. Kondeva-Burdina, ERT/ Prof R. Simeonova, Medical University, Sofia. Bulgaria)

15:00 – 15:30 Coffee break

15:30 - 17:00 Study Groups

DAY 4: Thursday, October 19th, 2023

Regulatory requirements novelties and challenges

9:00 - 10:00 REACH (ECHA, Assoc. Prof V. Vitcheva, ERT)

10.00-11.00 Chemical-induced respiratory sensitisation: a challenge for toxicology (prof E. Corsini, ERT, University of Milan, Italy)

11:00 - 11.30 Coffee Break

11:30-12:30 Scientific criteria for identification of endocrine disruptors (ECHA, Assoc. Prof V. Vitcheva, ERT)

12:30 - 14:00 Lunch

14:00 - 15:00

- Toxicological Risk Assessment in education and toxicology dissemination (Assoc Prof. M. Curcic, ERT , University of Belgrade - Faculty of Pharmacy , Belgrade, Serbia)
- Regulatory Toxicology in education and toxicology dissemination (Prof. Gonca CAKMAK , ERT Gazi University, Faculty of Pharmacy, Ankara ,Turkey)
- Problem based learning in Toxicology-Erasmus Teaching Activities experience (Prof J. Esteban, Universidad Miguel Hernández de Elche, Alicante, Spain)

15:00 – 15:30 Coffee Break

15:30 – 17:00 Risk Communication and Knowledge Dissemination in Toxicology –examples and practise

DAY 5: Friday, October 20th, 2023

Presentations of the study groups, discussion, and final test

9:00 - 10:00 Presentations of the Study Groups

10:00 - 10:30 Coffee Break

10:00 - 12:30 - Final Test

12:30 - Closing

Departure of the participants