



New Trends in Preclinical Research – Second Edition

28-29 NOVEMBER, TIMISOARA, ROMANIA

On November 28-29, 2024, the second edition of the international workshop “**New Trends in Preclinical Research**” will take place at the "Victor Babeș" University of Medicine and Pharmacy in Timișoara, organized by the University Doctoral Studies Council. The event will bring together lecturers and specialists in the field of preclinical R&D. The workshop is structured into two main parts, focused on *in vitro* and *in vivo* preclinical testing.

Workshop – Monitoring 2D and 3D Cell Cultures

Date: Thursday, November 28, 14:00-15:30

Place: Victor Babeș University of Medicine and Pharmacy, Timișoara, Romania – Iagnov Hall

Language: English

- **New non-invasive, label-free monitoring approach for 2D and 3D cell culture**

Dr. Philipp Paulitschke, PHIO Scientific, Ludwig Maximilian University of Munich

PHIO Scientific is dedicated to improving experiments conducted on cell cultures by providing superior-quality, precise, repeatable, and reproducible data to contribute to a healthier and smarter world.

Cellwatcher, a concept developed by Dr. Philipp Paulitschke from Ludwig Maximilian University of Munich, is a cutting-edge innovation, the result of over a decade of meticulous research and development. Founded in 2020 in Munich and recognized as one of the most important biotechnology centers in Europe, PHIO Scientific is led by a passionate team of experts in biology, physics, data science, software engineering, and management. They develop state-of-the-art technologies that simplify processes, accelerate discoveries, and transform life sciences research.

Workshop – FELASA

Title: Classification and Reporting of Severity, Rodent Models (mouse, rat)

Date: Friday, November 29, 09:30-14:30

Place: Victor Babeș University of Medicine and Pharmacy, Timișoara, Romania – Iagnov Hall



Language: English

Content:

- Introduction (20')
- Procedure planning (model presentation and group work) (50')
- Classification of procedure severity (90')
- Reporting actual severity (interactive session) (40')
- Summary (20')
 - Promoting consistency
 - Additional guidance
 - Discussions and questions

Trainer:

Eirini Fragkiadaki, *DVM, MSc, PhD, MRCVS*

Research Staff Scientist

Designated veterinarian-Facility manager

Dep. Animal Models for Biomedical Research

Hellenic Pasteur Institute

127 Vas. Sofias avenue, 11521 Athens, Greece

Facilitator:

Anastasia Tsingotjidou,

Ass. Professor,

Laboratory of Anatomy, Histology and Embryology,

School of Veterinary Medicine,

Faculty of Health Sciences,

Aristotle University of Thessaloniki, 54 124 Thessaloniki, Greece

The FELASA Severity Workshop, endorsed by the European Commission, has been delivered in a standardized format since the FELASA Congress 2016, using examples published by the FELASA/ESLAV/ECLAM Working Group in 2010. Its aim is to promote understanding and consistency in severity classifications among Member States, ensure harmonization of statistical reporting, and improve communication with the public. It also emphasizes opportunities to apply the 3Rs principle and improve animal welfare.



The FELASA Severity Workshop provides details on the classification of procedure severity in accordance with Directive 2010/63/EU on the protection of animals used for scientific purposes. All procedures receive a severity classification in advance during the authorization process (prospective severity classification) and in the non-technical project summary (predictive severity classification) to evaluate refinement application and keep the severity level of procedures as low as possible. Additionally, the severity experienced by each animal must be reported in the annual statistical reports of each Member State (actual severity classification). Actual severity is a determining factor for the reuse of animals in other procedures and helps determine the retrospective severity classification assigned at the end of a project.

The Severity Workshop will allow participants to obtain an official FELASA participation certificate. The workshop is of interest to individuals who design procedures and projects and apply for project authorizations, those responsible for animal welfare, members of ethical review committees and animal welfare bodies, scientists, study personnel, veterinarians, veterinary technologists, and technicians.

PRESENTATIONS

- **Anatomy of the Mouse - Ass. Professor Anastasia Tsingotjidou**

Date: Friday, November 29, 15:00-15:40

Location: Victor Babeș University of Medicine and Pharmacy, Timișoara, Romania – Iagnov Hall

Language: English

- **Sample Collection - Ass. Professor Anastasia Tsingotjidou**

Date: Friday, November 29, 15:45-16:30

Location: Victor Babeș University of Medicine and Pharmacy, Timișoara, Romania – Iagnov Hall

Language: English

Start Date: November 28, 2024

End Date: November 29, 2024

Organizer: University Doctoral Studies Council

Scientific Coordinators: Prof. Dr. Cristina Adriana Dehelean, Prof. Dr. Iulia Andreea Pînzaru

Event: International Workshop

Location: Piața Eftimie Murgu 2, 300041, Timișoara, Romania