ORGANOIDS
Revolutionizing biomedicine through miniature organ models

08.05.2024
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MORNING SESSION

9.30 OPENING
Dr. Vincenzo Caputo (Director of Experimental Zooprophylactic Institute for Umbria and Marche - Togo Rosati)
Prof. Fabrizio Rueca (Director of the Department of Veterinary Medicine - University of Perugia)

Session chairs: Prof. Chiara Brachelente and Prof. Elisabetta Chiaradia

9.45 3D IN VITRO VERSUS IN VIVO MODELS: PRESENT APPROACHES AND FUTURE PERSPECTIVE
Dr. Silvia Dotti (National Reference Centre for Alternative Methods, Welfare and Care of Laboratory Animals - IZSLER)

10.15 ORAL TONGUE ORGANOIDS AS A NOVEL MODEL FOR POST-RADIOThERAPY MUCOSITIS
Prof. Teresa Zelante (Department of Medicine and Surgery, University of Perugia)

10.45 MULTI-SPECIES ORGANOID PLATFORMS TO STUDY THE INTESTINAL BIOLOGY AND THE INTERACTION WITH PATHOGENS OF HUMAN AND ANIMAL CONCERNS
Dr. Christian Klotz (Robert Koch Institute, Berlin)

11.15 COFFEE BREAK

11.45 LIVER ORGANOIDS AS A TOOL TO UNDERSTAND TISSUE REGENERATION UPON ETHANOL DAMAGE
Dr. Gianluca Vascelli (Department of Medicine and Surgery, University of Perugia)

12.00 CANINE MELANOMA UNVEILED: EXPLORING IMMUNE CELL INTERACTION IN 3D CO-CULTURE MODELS
Dr. Adriana Lo Giudice (Department of Veterinary Medicine, University of Perugia)

12.15 NOVEL 3D CANCER TISSUE MODELS AND ORGAN ON CHIP BASED PLATFORMS FOR ACCELERATING MEDICAL RESEARCH AND IMPROVING DRUG TESTING
Dr. Silvia Scaglione (National Research Council - CNR)

12.45 DISCUSSION

13.00 LUNCH BREAK

AFTERNOON SESSION

Session chairs: Prof. Luisa Pascucci and Prof. Elvio Leprì

14.30 NEW APPROACH METHODOLOGIES (NAMS) IN THE RISK ASSESSMENT IN THE FOOD SECTOR: INTESTINAL IN VITRO MODELS FOR THE STUDY OF CROSSING AND UPTAKE OF NANOPARTICLES
Dr. Olimpia Vincentini (Department of Food Safety, Nutrition and Veterinary Public Health - ISS)

15.00 USING LUNG ORGANOIDS TO STUDY HOST-PATHOGEN INTERACTIONS
Dr. Sebastian Reusch (Robert Koch Institute, Berlin)

15.30 ORGANOIDS AS SUITABLE MODEL FOR THE STUDY OF THE EFFECTS OF DRUGS AGAINST Giardia duodenalis
Dr. Giulia Rigamonti (Department of Veterinary Medicine, University of Perugia)

15.45 FROM PAINTING TO SCULPTURE: MORPHOLOGICAL APPROACHES FOR THE STUDY OF 2D AND 3D MODELS
Dr. Gabriele Scattini (Department of Veterinary Medicine, University of Perugia)

16.00 SPONSOR TIME

16.30 CLOSING REMARKS

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