THE FOCUS OF POLISH-ITALIAN COOPERATION IN THE AREA OF BIOMEDICINE

27 OCTOBER 2023
9:30 AM

POLISH ACADEMY OF SCIENCES
SCIENTIFIC CENTER IN ROME
VICOLO DORIA 2 | INTERNO 6
THE FOCUS OF POLISH-ITALIAN COOPERATION IN THE AREA OF BIOMEDICINE

PROGRAMME

9:30 - 9:50
Official welcome
Agnieszka Stefaniak-Hrycko
Director of the Polish Academy of Sciences - Scientific Center in Rome
Prof. Katarzyna Starowicz-Bubak
Maj Institute of Pharmacology Polish Academy of Sciences
Dr Giovanni Maga
National Research Council of Italy - Director of the Biological Sciences Department

9:50 - 10:30
Beyond CB1: understanding the actions of anadamide in pain and nociception
Prof. Katarzyna Starowicz-Bubak
Department of Neurochemistry
Maj Institute of Pharmacology Polish Academy of Sciences
The gut microbiome and its interactions with the expanded system of endocannabinoids and similar signaling lipids
Prof. Vincenzo di Marzo
Institute of Biomolecular Chemistry, National Research Council of Italy
Director of the Joint International Research Unit CERC-MEND
Laval University

10:30 - 11:10
Dual piperidine-based histamine H3 and sigma-1 receptor ligands in the treatment of nociceptive and neuropathic pain
Dr Katarzyna Szczepańska
Department of Medicinal Chemistry
Maj Institute of Pharmacology Polish Academy of Sciences
Design, synthesis, molecular modelling and biological evaluation of novel Sigma Receptors ligands with potent antiallodynic activity
Prof. Emanuele Amata
Department of Drug and Health Sciences
University of Catania

11:10 - 11:40
On the Horizon (Europe): Health
Magdalena Dobrzyńska
R&I Policy Expert, Polish Science Contact Agency “PolSCA” of PAS in Brussels
PROGRAMME

11:40-12:00  Coffee break

12:00-13:00  Italian-Polish crosstalk through bio-analysis
Prof. Manuela Bartolini
Department of Pharmacy and Biotechnology
University of Bologna

From drugs for central nervous system to Cannabis:
a joint research story
Prof. Giuseppe Cannazza
Department of Life Sciences
University of Modena and Reggio Emilia
Institute of Nanotechnology
National Research Council of Italy

Collaborative research on molecular mechanisms of
drug-receptor interactions
Prof. Krzysztof Jóźwiak
Faculty of Pharmacy
Medical University of Lublin

13:00-13:40  Exploring metabolic stability and ligand kinetics via in silico
approaches
Dr Sabina Podlewska
Department of Medicinal Chemistry
Maj Institute of Pharmacology Polish Academy of Sciences

Developing of serotonin 5-HT7 receptor ligands beyond high
affinity: the binding kinetic profile and metabolic stability
Prof. Marcello Leopoldo
Department of Pharmacy - Pharmaceutical Sciences
The University of Bari Aldo Moro

13:40-14:40  Lunch
14:40-15:20 Role of cannabinoid receptors in the descending modulation of pain
Dr Francesca Guida
Department of Experimental Medicine, Division of Pharmacology
University of Campania Luigi Vanvitelli

Inhibition of anandamide degradation reverses osteoarthritis-related hippocampal LTP and monoamine levels disruptions - the role of CB1 receptor
Dr Marta Kędziora
Department of Neurochemistry
Maj Institute of Pharmacology Polish Academy of Sciences

15:20-16:00 Structure and function of protein corona on the dendrimer surface
Prof. Barbara Jachimska
Jerzy Haber Institute of Catalysis and Surface Chemistry
Polish Academy of Sciences

Modulation of protein-nanoparticle interactions: specific buffer effects on BSA adsorption on mesoporous silica nanoparticles
Prof. Andrea Salis
Department of Chemical and Geological Sciences
University of Cagliari

16:00-16:40 Boosting the resolution of inflammation as an innovative approach in the pharmacotherapy of brain diseases characterized by neuroinflammation
Prof. Enza Lacivita
Department of Pharmacy - Pharmaceutical Sciences
The University of Bari Aldo Moro

Dr Ewa Trojan
Department of Experimental Neuroendocrinology
Maj Institute of Pharmacology Polish Academy of Sciences

16:40-17:00 Closing remarks