

ADVANCES IN BIOLOGICAL REGULATION
(Formerly Advances in Enzyme Regulation)



**65th Symposium on “Biological Regulation and Enzyme
Activity in Normal and Neoplastic Tissues”
October 7-8, 2024, University of Bologna, Italy**

AEMILIA HOTEL CONFERENCE CENTRE, VIA ZACCHERINI ALVISI

Welcome by
Dr. Lucio Cocco, Dept. Biomedical and Neuromotor Sciences, School of Medicine, University of Bologna
Dr. Simona Tondelli, Vice-Chancellor, University of Bologna
Dr. Paolo Pillastrini, Department Head, Dept. Biomedical and Neuromotor Sciences, School of Medicine,
University of Bologna

Room Archiginnasio

9:00 AM

SESSION I: PLCs IN DISEASES

(9:15 am)

Session Chair: J. D. York

COCCO/FOLLO REGULATION OF PHOSPHOLIPASE C-DEPENDENT SIGNALLING IN
HEMATOPOIETIC STEM CELLS AND MESENCHYMAL STROMAL CELLS
RESPONSE

KATAN DISEASE-LINKED VARIANTS OF PHOSPHOLIPASE C GAMMA

SESSION II: TRANSCRIPTION AND SPLICING FACTORS IN MDS AND AML

(10:15 am)

Session Chair: A. Toker

BOULTWOOD HYPERACTIVATION OF NF-KB SIGNALING IN SPLICING FACTOR
MUTANT MDS AND AML

CHAI TARGETING THE ONCOFETAL PROTEIN SALL4 IN MDS AND CANCER

COFFEE BREAK

(11:15 am – 11:25 am)

SESSION III: LIPID BIOSYNTHESIS

(11:25 am)

Session Chair: D. G. Tenen

CARMAN ROLE AND REGULATION OF THE NEM1-SPO7/PAH1 PHOSPHATASE
CASCADE IN LIPID SYNTHESIS

SAKANE UPSTREAM AND DOWNSTREAM PATHWAYS OF DIACYLGLYCEROL
KINASE: NOVEL PHOSPHATIDYLINOSITOL TURNOVER-INDEPENDENT
SIGNAL TRANSDUCTION PATHWAYS

GENERAL DISCUSSION

(12:25 am – 12:35 am)

PICTURE TAKING

12:35 PM

FREE TIME

12:45-3:30 PM

SESSION IV: PROTEOMICS IN DISEASES
(3:30 pm)

Session Chair: M. J. Wolfgang

- LARIJANI THE FUSION OF QUANTITATIVE MOLECULAR PROTEOMICS AND IMMUNE ONCOLOGY: A STEP TOWARDS PRECISION MEDICINE IN CANCER THERAPEUTICS
- HSU COVALENT INACTIVATION OF PTGR2 MODULATES INFLAMMATORY STATES OF MACROPHAGES
-

SESSION V: LIPID METABOLISM AND DISEASES
(4:30 pm)

Session Chair: J. D. Saba

- CHO CHOLESTEROL AND CANCER: NEW MECHANISMS AND THERAPIES
- WOLFGANG CARNITINE PALMITOYLTRANSFERASE 1 FACILITATES FATTY ACID OXIDATION IN A NONCELL AUTONOMOUS MANNER
-

COFFEE BREAK (4:30 pm – 4:40 pm)

SESSION VI: PI TRANSFER PROTEINS
(4:40 pm)

Session Chair: O. Medalia

- COCKROFT PHOSPHATIDYLINOSITOL/PHOSPHATIDATE LIPID TRANSPORTER (PITPNC1): ITS PHYSIOLOGY AND PATHOLOGY
- AIROLA ROLE OF A NIR DIMERIZATION (NirD) DOMAIN IN PI(4,5)P2 REPLENISHMENT AFTER PLC ACTIVATION
-

SESSION VII: SPHINGOLIPIDS
(5:40 pm -6:40 pm)

Session Chair: J. A. McCubrey

- COWART SPTLC3 AND IMPORTANT ROLES FOR ATYPICAL SPHINGOLIPIDS
- SABA SPHINGOSINE PHOSPHATE LYASE: FROM GENE DISCOVERY TO GENE THERAPY AND BEYOND
-

GENERAL DISCUSSION (6:40 pm – 6:50 pm)

MEETING AT HOTEL LOBBY

7:15 SHARP

BUFFET DINNER (by invitation only)

7:30 PM

SESSION XI: CHROMATIN MAINTENANCE AND INTERACTIONS
(3:30 pm)

Session Chair: J. Boultwood

- MEDALIA THE MOLECULAR BASIS OF LAMIN SPECIFIC CHROMATIN INTERACTIONS
- YORK AN EVOLUTIONARILY CONSERVED REQUIREMENT OF INOSITOL PHOSPHATE KINASES FOR PDS5-DEPENDENT CHROMOSOME MAINTENANCE

COFFEE BREAK
(4:30 pm – 4:40 pm)

SESSION XII: LIPID AND PROTEIN KINASES
(4:40 pm)

Session Chair: G.M. Carman

- WILLIAMS MAKING PI3K-LIKE ENZYMES RUN FASTER
- SILVENNOINEN THERAPEUTIC TARGETING OF JAK KINASES

GENERAL DISCUSSION (5:40 pm – 5:50 pm)



**WEBERS and MANZOLI
SPECIAL SYMPOSIUM LECTURE**

5:50 PM

Chair: LUCIA MANZOLI

VYTAS A. BANKAITIS

PHOSPHATIDYLINOSITOL TRANSFER PROTEINS AND THE FUNCTIONAL CHANNELING OF
PHOSPHOINOSITIDE SIGNALING PATHWAYS



DINNER (By invitation only)

7:15 PM

**SIXTY-FIFTH INTERNATIONAL SYMPOSIUM ON BIOLOGICAL
REGULATION AND ENZYME ACTIVITY IN
NORMAL AND NEOPLASTIC TISSUES**

LIST OF PARTICIPANTS

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