



Banca
Popolare
Pugliese



SIB 2019

60th CONGRESS



Italian Society of Biochemistry and Molecular Biology
Lecce, September 18 - 20, 2019



UNIVERSITÀ
DEL SALENTO

PROGRAMMA

Wednesday, September 18, 2019

Palazzo Codacci Pisanelli (Viale dell'Università)

- 12.00 Registration
14.00 Congress Opening and Welcome
14.30 "Eraldo Antonini" Lecture (Aula Magna)
Chair: Ferdinando Palmieri (Bari)
Sir John E. Walker, Nobel Prize in Chemistry (Cambridge)
Regulation, functional analysis and assembly of dimeric ATP synthases in mitochondria
- 15.30 Plenary Symposium "The seventh wonder: Translocases (EC 7)" (Aula Magna)
Chair: Vito De Pinto (Catania) e Paola Lunetti (Lecce)
- 15.40 – 16.10 Keynote lecture - Matthias Hediger (Bern, Switzerland)
Fundamentals and importance of the SLC solute carrier superfamily and future perspectives
16.10 – 16.30 Giuseppe Fiermonte (Bari)
New insights on the function of the mitochondrial uncoupling proteins: from physiology to biochemistry and back
16.30 – 16.50 Cesare Indiveri (Calabria)
The glutamine traffic in cells: old fashion and new releases
16.50 – 17.10 Eleonora Da Pozzo (Pisa)
TSPO associated protein complexes: different structures, different functions
17.10 – 17.20 Angela Ostuni (Potenza)
Synthetic and natural compounds regulate activity of ABCB6 transporter
- 17.30 Lecce guided tour
(meeting point Piazzetta Arco di Trionfo, outside Palazzo Codazzi Pisanelli)
- 19:30 Welcome Cocktail at Rettorato (Piazza Tancredi)

Thursday, September 19, 2019

Palazzo Codacci Pisanelli (Viale dell'Università)

- 9:00 Plenary Symposium – "Cryo-o(r)-EM: you'd better see it" (Aula Magna)
Chair: Andrea Mozzarelli (Parma) e Paolo Swuec (Milano)
- 9.00 – 9.30 Keynote lecture - José Lopez Carrascosa (Madrid, Spain)
Cryo EM structural characterization of Phage T7 viral tail machinery: A model for DNA retention and ejection from the viral capsid
9.30 – 9.50 Martino Bolognesi (Milano)
Facing challenges of large protein assemblies through single particle cryo EM
9.50 – 10.10 Beatrice Vallone (Roma)
Key interactions for iron uptake are exploited by infectious agents as revealed by the cryo-EM structure of the Ferritin-CD71 complex
10.10 – 10.30 Chiara Marabelli (Pavia)
Molecular mechanism of nucleosome recognition
10.30 – 10.40 Alessandro Grinzato (Padova)
Cryo-EM atomic structure of Potato Virus X
- 10:40 Coffee break and poster exhibition
- 11.00 Maurizio Brunori: Memory of Alessandro Rossi Fanelli (on the thirtieth anniversary of the disappearance)

Plenary Symposium – "Enzymes: new facts for old cofactors" (Aula Magna)
Chair: Maurizio Brunori (Roma) e Barbara Cellini (Perugia)

- 11.10 – 11.30 Francesca Cutruzzola (Roma)
Serine hydroxymethyltransferase, a multitasking metabolic enzyme enjoying new partnerships as a nucleic acid binding protein
11.30 – 11.50 Stefano Bruno (Parma)
Understanding the role of chemical environment in cysteine S-nitrosylation: the case of human serine racemase
11.50 – 12.10 Francesco Angelucci (L'Aquila)
Pioneering strategies to target a FAD/NAD-linked reductase family member of crucial importance in neglected pathogens
12.10 – 12.30 Sheila Sadeghi (Torino)
Human FMO3 and its polymorphic variants: relevance to medicine
12.30 – 12.40 Luigi Palese (Bari)
Heme-copper oxidases: could they be stochastic machines?

Studium 2000 (cr. V.le San Nicola, Via di Valesio)

13.00 Lunch and poster exhibition (Building 5)

Parallel Symposia

- 14.30 PS.1 "Biotechnologies" (Building 6, Aula 2 – B1)
- 14.30 Antonio De Flora: Memory of Arturo Bonsignore (on the thirtieth anniversary of the disappearance)
"Biotechnologies for human health"
Chair: Antonio De Flora (Genova) e Chiara Falciani (Siena)
- 14.40 – 15.10 Keynote lecture - Luigi Naldini (Milano)
Genetic engineering of hematopoiesis for treating genetic disease and cancer
15.10 – 15.30 Mirko Pinotti (Ferrara)
From aberrant splicing mechanisms to innovative therapies for genetic disorders
15.30 – 15.50 Maria Vittoria Cubellis (Napoli)
Disease missense mutations: a challenge for biochemists
15.50 – 16.05 Antonella Forlino (Pavia)
Endoplasmic reticulum stress as target in skeletal diseases: use of in vitro and in vivo models
16.05 – 16.15 Alessandro Angelini (Venezia)
Directed evolution of broadly crossreactive chemokine-blocking antibodies efficacious in inflammatory arthritis
- 16.15 Coffee break (Building 5)
"Biotechnologies for sustainable growth"
Chair: Marco Moracci (Napoli) e Giovanna Di Nardo (Torino)
- 16.35 – 17.05 Keynote lecture - Carlos Fontes (Lisbona, Portugal-lo)
Cellulosomes, a new paradigm to orchestrate the function of multi enzyme complexes
17.05 – 17.20 Loredana Mariniello (Napoli)
Sustainable hydrocolloid-based bioplastics for obtaining

Friday, September 20, 2019

Studium 2000 (cr. V.le San Nicola, Via di Valesio)

Parallel Symposia

- 9:30 PS.3 "Cancer and metabolism: chicken or egg?" (Building 6, Aula 2 – B1)
9:30 Filiberto Cimino: Memory of Francesco Cetrangolo (on the thirtieth anniversary of the disappearance)
Chair: Filiberto Cimino (Napoli) e Ferdinando Chiaradonna (Milano Bicocca)
- 9.40 – 10.10 Keynote lecture – Antonio Moschetta (Bari)
Transcriptional regulation of metabolic pathways in cancer: role of lipid sensing nuclear receptors
10.10 – 10.30 Daniela Gaglio (CNR - IBFM)
Metabolic rewiring connectivity drives enhanced growth drug response by versatile glucose and glutamine utilization in K-Ras tumors
10.30 – 10.50 Fiammetta M. Romano (Napoli)
Scaffold proteins of cancer signaling networks: the paradigm of FK506 binding protein 51 (FKBP51) supporting tumor intrinsic properties and immune escape
- 10.50 Coffee break and poster exhibition (Building 5)
- 11.10 – 11.30 Massimo Donadelli (Verona)
Mutant p53-dependent alterations of cancer metabolism and of signaling pathways involved in autophagy and redox regulation
11.30 – 11.50 Claudia Piccoli (Foggia)
Mitochondrial metabolism as driver in cancer (stem) cell biology
11.50 – 12.00 Emanuela Stampone (Campania)
Post-translational modifications of the cell growth modulator p57 and human cancers
- 9.30 PS.4 "Nutrition and epigenetics: express yourself through food" (Building 6, Aula 3 – B2/B3)
Chair: Francesco Bonomi (Milano) e Arianna Vignini (Ancona)
- 9.30 – 10.00 Keynote lecture - Rosita Gabbianelli (Camerino)
Nutri-epigenetics and health
10.00 – 10.25 Andrea Fuso (Roma)
The "one-carbon" metabolism: nutrition - epigenetics - neurodegeneration
10.25 – 10.50 Claudio D'Addario (Teramo)
Transcriptional Regulation of Mu Opioid and Type 1 Cannabinoid Receptor Genes in Obesity: preclinical and clinical evidence
- 10.50 Coffee break and poster exhibition (Building 5)
- 11.10 – 11.25 Fabio Ciccarone (Roma Tor Vergata)
High Dietary Fat Intake: examples of diet-induced and metabolic/epigenetic defects
11.25 – 11.40 Silvia Cetrullo (Bologna)
Palmitic acid and n-3 polyunsaturated fatty acid supplementation in cardiac cells: gene regulation and epigenetics in cell survival and hypertrophy
11.40 – 11.50 Alberto Zullo (Sannio)
Nutrient deprivation and sirtuin epigenetics: autophagy vs apoptosis
- 12:00 "The elevator-pitch contest" - Short talks (5 min – 3 slides) from submitted abstracts. (Building 6, Aula 7 – A1)
- 13.00 Closing Remarks