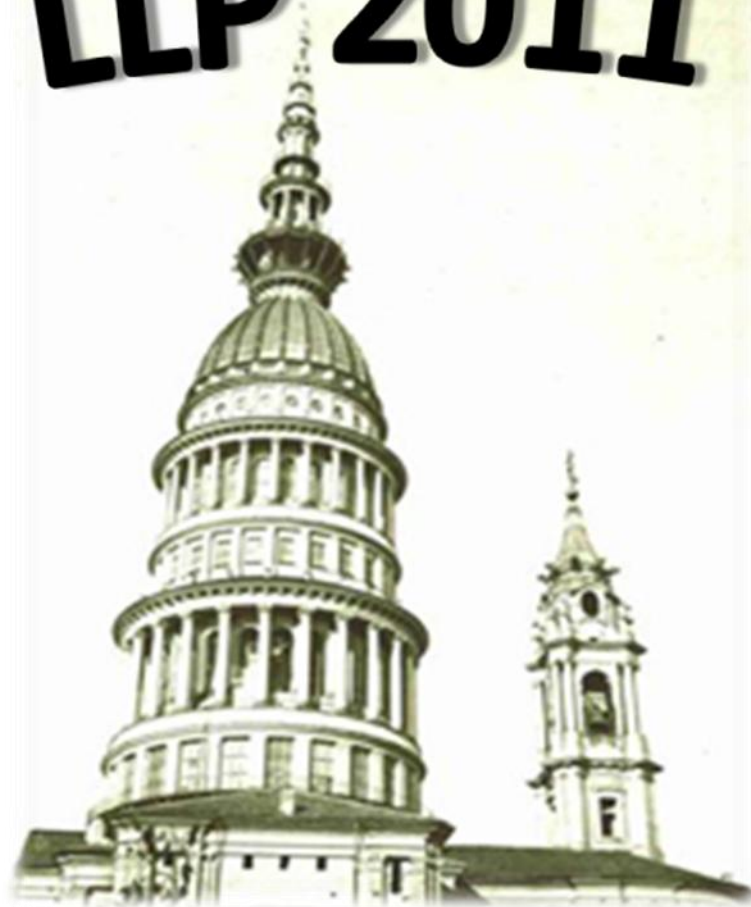


**CONVEGNO ANNUALE
DELLA SEZIONE LIGURE-LOMBARDO-PIEMONTESE
DELLA SOCIETA' ITALIANA DI BIOCHIMICA E BIOLOGIA
MOLECOLARE**

LLP 2011



**20 maggio 2011
UNIVERSITA' DEL PIEMONTE ORIENTALE
"A.AVOGADRO"
Novara**



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SOCIETA' ITALIANA DI BIOCHIMICA E BIOLOGIA MOLECOLARE

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**20 maggio 2011
Aula Magna
Facoltà di Economia
Via Perrone
Novara**

9.00 *Welcome*

9.15 **Session 1** Chairmen Prof. Menico Rizzi, Prof. Eugenio. Monti

1. Biochemical characterization of Plasmodium falciparum CDPK4

A Cavagnino, M Rizzi M, F Rossi

2. Malaria pigment hemozoin (HZ) and HZ-generated 4-hydroxynonenal inhibit malaria erythropoiesis

OA Skorokhod, L Caione, T Marrocco, G Migliardi, V Barrera, P Arese, W Piacibello, E Schwarzer

3. The role of the focal adhesion kinase Pyk2 in platelet activation

L Cipolla, I Canobbio, A Consonni, G Guidetti, S Momi, B Oliviero, M Falasca, M Okigaki, C Balduini, P Gresele, M Torti

4. Activation by 2-arachidonoylglycerol of platelet p38MAPK/cPLA2 pathway.

MG Signorello, E Giacobbe, G Leoncini

5. Identification of nucleotide-sugar biosynthetic pathways in the Nucleo-Cytoplasmic Large DNA Virus (NCLDV) mimivirus.

F Piacente, PC Madhu, M Marin, M Tonetti

6. New fluorinated sialic acid glycals with inhibitory activity against Vibrio cholerae sialidase.

P Rota, N Papini, P Allevi, R Mattina, B Venerando

7. Knockdown of NEU4 during Zebrafish organogenesis

G Paganini, M Manzoni, D Gotti, G Borsani, R Bresciani, E Monti

8. Proplatelet formation and extracellular matrices

L Monti, C Gruppi, A Malara, R Tenni, M Raspanti, C Balduini, ME Tira, A Balduini

11.15 *coffee break*

11.30 **Session 2** Chairmen Prof. Antonio De Flora, Prof. Bruno Venerando

9. Behavior of the plasma membrane associated glycohydrolases in Gaucher disease

M Aureli, N Loberto, R Bassi, M Filocamo, V Chigorno, A Prinetti, S Sonnino

10. P2X7 antagonists improve “in vitro” myelination in organotypic dorsal root ganglia (DRG) cultures from a rat model of CMT1A neuropathy

L Nobbio, F Mannino, D Visigalli, F Fiorese, G Basile, L Sturla, A De Flora, E Zocchi, A Schenone, S Bruzzone

11. Lentiviral vector-mediated strategies targeted to p38MAPK inhibition and AKT activation in motor neurons of a mouse model of amyotrophic lateral sclerosis

M Peviani, D Lidonnici, F Gensano, M Tortarolo, T Borsello, R Piva, C Bendotti

12. Structural and functional changes of bovine β -lactoglobulin after adsorption on hydrophobic surfaces: influence of the sorbent material and size

M Miriani, M Marengo, M Corrado, S Iametti, F Bonomi

13. Insight on structural and kinetic properties of mutated human recombinant prolidase

R Besio, R Gioia, E Monzani, A Profumo, S Nicolis, L Casella, A Rossi, A Forlino

14. Mutations at position 69 and 72 in the catechol 1,2-dioxygenase sequence result in variants with distinct stability profiles and oxygen affinities

R Caglio, F Valetti, E Pessione, C Giunta, E Ghibaudi

15. Intracellular protein O-GlcNacylation regulates cell microenvironment

S Deleonibus, D Vigetti, M Viola, E Karousou, G De Luca, A Passi

16. Study of the mechanism of action of LT175, a dual PPAR ligand that ameliorates lipid and glucose homeostasis and insulin sensitivity

M Giudici, F Gilardi, N Mitro, F Loiodice, G Fracchiolla, A Laghezza, G Pochetti, R Montanari, A Lavecchia, U Guerrini, A Maggi, De Fabiani E, D Caruso, M Crestani

13.30 Lunch

14.30 **Session 3** Chairmen Prof. Cesare Balduini, Prof. Francesco Bonomi

17.A glycosphingolipid/caveolin-1 signaling complex inhibits the motility of human ovarian carcinoma cells

T Cao, A Prinetti, G Illuzzi, S Prioni, M Aureli, V Chigorno, S Sonnino

18.Atomic Force Microscopy study of lipid rafts in MDA-MB-231 human breast cancer cells after DHA incorporation

PA Corsetto, A Cremona, F Orsini, P Arosio, IE Jovenitti, S Zava, G Montorfano, AM Rizzo

19.Nitric oxide and P-glycoprotein modulate the phagocytosis of colon cancer cells.

J Kopecka, I Campia, S Doublier, CD Belisario, D Ghigo, A Bosia, C Riganti

20.In neuroblastoma cell lines saquinavir potentiates the down-regulatory effect of imatinib on the expression of the F-box protein Skp2.

E Lupino, F Timeus, V Crescenzo, C Ramondetti, A Doria, B Buccinnà, MT Rinaudo, A Tovo, L Cordero di Montezemolo, M Piccinini.

21.Extracellular sphingosine-1-phosphate acts as a survival factor for human glioblastoma stem cells

E Riccitelli, P Giussani, L Brioschi, G Condomitti, C Tringali, P Viani, L Riboni

22.Production of evolved variants of D-amino acid oxidase for a cancer enzyme therapy: a computational and biochemical study

E Rosini, G Molla, S Ghisla, L Pollegioni

16:00 coffee break

16.15 **Session 4** Chairmen Prof. Massimo Masserini, Prof. Fabiola Sinigaglia

23. Rab5 participates in chromosome congression by ensuring proper localization of CENP-F at kinetochores.

G Serio, V Margaria, S Jensen, J Bartek, F Bussolino, L Lanzetti

24. Analysis of the action mechanism of small compounds displaying Ras inhibitory properties

E Sacco, E Mazzoleni, A D'Urzo, S Lamperti, L De Gioia, M Samalikova, R Grandori, V Gaponenko, F Peri, M Vanoni

25. 2D TR-NOESY NMR Experiments Interrogate and Rank Ligand–Receptor Interactions in Living Human Cancer Cells

S Mari, C Invernizzi, A Spitaleri, L Alberici, M Ghitti, C Bordignon, C Traversari, GP Rizzardi, G Musco

26. Semaphorin 3A blocks tumor growth and invasiveness and prevents the resistance to conventional anti-angiogenic therapies by overcoming cancer hypoxia

F Maione, S Capano, D Regano, L Zentilin, M Giacca, F Bussolino, G Serini, E Giraud

27. Increased A β 42 peptide production in brain capillary endothelial cells after oxygen and glucose deprivation

A Bulbarelli, E Lonati, A Brambilla, A Orlando, E Cazzaniga, F Piazza, C Ferrarese, M Masserini, G Sancini

28. Diacylglycerol kinase alpha produced phosphatidic acid controls myosin light chain kinase localization and activity in HGF stimulated epithelial cells.

G Baldanzi, L Birolo, V Malacarne, A Pighini, Pagnozzi, F Chianale, N Filigheddu, F Sinigaglia, P Pucci, A Graziani

17.45 **Concluding remarks**

Comitato Scientifico ed Organizzatore
Fabiola Sinigaglia
Gianluca Baldanzi - Alessandra Bertoni
Clara Di Vito - Sara Sampietro - Michela Nalin

Con il patrocinio di
Facoltà di Medicina e Chirurgia
e Scienze della Salute

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