

“NEW FRONTIERS IN BIOCHEMISTRY AND MOLECULAR MEDICINE”

**“Scuola Superiore di Catania”
University of Catania**



**Catania, Italy,
May 25th 2017**

8.30 Registration

9.00 *Welcome and Opening Remarks*

Prof. L. Vanella (Associate Professor of University of Catania)

Prof. F. Basile (Rector of University of Catania)

Prof G. Puglisi (Chair of Drug Science Department)

Prof. F. Priolo (President of Scuola Superiore)

Prof. N.G Abraham (Full Professor of New York Medical College)

Guest Speaker

9.45-10.15 **J.W. Werthammer** *Joan C. Edwards School of Medicine, Marshall University, Huntington, WV (USA).*

“A management strategy from the front line of the neonatal abstinence syndrome (NAS)”

“Childhood obesity-a treatment plan that works”

Session 1: “Multi organ crosstalk in metabolic syndrome” **(Chairmen: L. Vanella, I. Barbagallo)**

10.15-10.30 **N.G Abraham** *Department of Pharmacology, New York Medical College, NY (USA).*

“EET Intervention on HO-1, mitochondrial and thermogenic genes Signaling Prevents Obesity-Induced Cardiomyopathy ”

10.30-10.45 **J. Shapiro** *Joan C. Edwards School of Medicine, Marshall University, Huntington, WV (USA).*

“Oxidative stress and renal insufficiency in cardiovascular disease”

10.45-11.00 **M. Schwartzman** *Department of Pharmacology, New York Medical College, NY (USA).*

“20-HETE in obesity/hypertension”

11.00-11.30 **Coffee Break**

Session 2: “Multi organ crosstalk in metabolic syndrome”
(Chairmen: R. Avola, D. Condorelli)

11.30-11.45 **S. Signorelli** *Department of Clinical and Experimental Medicine, University of Catania (Italy)*

“Oxidative stress surrogate markers in chronic peripheral ischemia”

11.45-12.00 **JY. Tano** *The Max Delbrück Center for Molecular Medicine, Berlin, (Germany)*

“TRPC3 Channels in Atherosclerosis”

12.00-12.15 **J. Reznick** *The Max Delbrück Center for Molecular Medicine, Berlin, (Germany)*

" Fructose driven glycolysis supports anoxia resistance in the naked mole rat"

12.15-12.30 **M. Pennisi** *Department of Mathematics and Computer Science, University of Catania (Italy)*

“BIOESOnet: generation of personalized human pathway from exoma data”

12.30-13.00 **Discussion**

13.00-15.00 **Lunch**

Session 3: “New perspectives on cancer”
(Chairmen: G. Morgia, L. Salerno)

15.00-15.15 **K. Greish** *Department of Molecular Medicine, Arabian Gulf University, Manama (Kingdom of Bahrain)*

“Anticancer Nanomedicine; the dream and the reality”

15.15-15.30 **G.I Russo** *Department of Urology, Polyclinic Hospital, University of Catania, (Italy)*

“Risk factors for prostate cancer: what’s new?”

15.30-15.45 **R. Grasso** *Department of Physics and Astronomy, University of Catania & Istituto Nazionale di Fisica Nucleare - Laboratori Nazionali del Sud (INFN-LNS)*

"Ultra-weak Delayed Luminescence in cancer research"

15.45-16.00 **P. Dell'Albani** *Institute of Neurological Sciences, Section of Catania, Italian National Research Council (Italy)*

"Modulatory effect of Ferulic acid-loaded nanostructured lipid carriers on tissue transglutaminase expression in U87-MG human glioblastoma cell line"

16.00-16.30 **Coffee Break**

Session 4: "New perspectives on cancer"
(Chairmen: G. Palumbo, V. Sorrenti)

16.30-16.45 **A. Romano** *Department of Urology, Polyclinic Hospital, University of Catania (Italy).*

"Arginase in lymphoproliferative disorders"

16.45-17.00 **M. Allegra** *Department of Biological, Chemical and Pharmaceutical Sciences and Technologies, University of Palermo (Italy)*

"Anti-tumour effects of indicaxanthin both in vitro and in a murine melanoma model"

17.00-17.15 **V. Pittalà** *Department of Drug Science, Section of Medicinal Chemistry, University of Catania (Italy)*

"Is heme oxygenase-1 a druggable target in anticancer therapy?"

17.15- 17.30 **M.A. Chiacchio** *Department of Drug Science, Chemistry Section, University of Catania (Italy)*

"Anti-proliferative effects of novel enantiopure triazole derivatives in human thyroid cancer cells"

17.30-18.00 **Discussion**

18.00-18.30 **Concluding remarks and Meeting Awards**

Award Presentations: By Dean: J. Shapiro, Prof/Chair: M. Schwartzman
and Vice Dean: J. Werthammer

Scientific Secretariat

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Ignazio Alberto Barbagallo

Luca Vanella

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