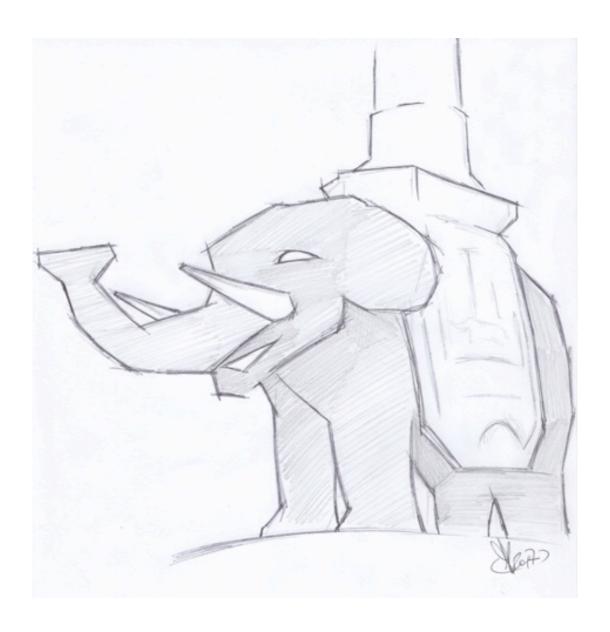
# "NEW FRONTIERS IN BIOCHEMISTRY AND MOLECULAR MEDICINE"

### "Scuola Superiore di Catania" University of Catania



Catania, Italy, May 25<sup>th</sup> 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

Nader G Abraham Ignazio Alberto Barbagallo Luca Vanella

### **Organizing Committee**

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