



The workshop is dedicated to the memory of **Prof. Arturo Leone**, a sharp, caring, hardworking, strong-willed, kind-hearted scientist and colleague at the Department of Pharmacy, University of Salerno. Arturo was the most enthusiastic co-founder of the **PhD Program in Biochemistry, Pathology and Drug action**, started in 1998. In 2010 the PhD Program was redesigned to broaden the educational and scientific goals and named **Systems Biology**, with the support of scientists from the Department of Chemistry and Biology of our University.

This PhD program is at its end in 2016, with a total of **sixty-eight PhD graduates**, who have spread all over the world, continuing basic or applied research in the biomedical field, occupying different positions in academy, pharmaceutical industry, private research institutes or education. Some of them, along with friends and colleagues who have shared crucial segments of Arturo's professional career (and not only), will be the witnesses of his dedication and passion in training, advising and motivating young people, strongly believing that the future of science depends on investing in their talent.

The workshop is intended also as a **reflection** of the present status of PhD graduates in the **Italian High Education panorama**, characterized by the not always easy transition from PhD education and training to the job market.

## Corso di Dottorato in *Biochimica e Patologia dell'Azione dei Farmaci* *Biologia dei Sistemi*



*The winding road from PhD Education  
and Training in Biomedical Sciences  
to the Job Market*

*In sweet memory of Arturo Leone*

Fisciano  
March 21<sup>st</sup> 2016  
10:30 am

Aula 2

**Department of Pharmacy**  
**University of Salerno**



10:30

**Antonella Leone**, Coordinator PhD Program in *Biochemistry, Pathology and Drug Action* and PhD Program in *Systems Biology*, Department of Pharmacy, University of Salerno

## Session I

**Chairmen** **Bruno Maresca, Stefano Bonatti**

10:40 **Dennis Thiele**, Department of Pharmacology and Cancer Biology, Duke University School of Medicine, Durham, US  
*The Unlikely Journey from Copper to Heat Shock Proteins to Human Neurodegenerative Disease*

11:10 **Massimo Ammirante**, Laboratory of Gene Regulation and Signal Transduction, University of California, San Diego, La Jolla, US  
*Tumor infiltrating B cells in prostate cancer: are they the bad guys?*

11:30 **Patrizia Nigro**, Centro Cardiologico Monzino-IRCCS, Unit of Vascular Biology and Regenerative Medicine, Milan, Italy  
*Cyclophilin A: a key player in cardiovascular*

11:50 **Davide Eletto**, Dept. Medicine University of Cambridge, Cambridge, UK  
*From bench to bedside and return*

12:10 **Pierpaolo Di Fiore**, Istituto FIRC di Oncologia Molecolare, Milan, Italy  
*Pre-clinical validation of a selective anti-cancer stem cell therapy for human breast cancers*

## Session II

**Chairmen** **Dennis Thiele, Pierpaolo Di Fiore**

14:00 **Stefano Bonatti**, Department of Molecular Medicine and Medical Biotechnologies, University of Naples "Federico II", Naples, Italy  
*Tackling the most frequent form of Wilson disease (eventually you won, Arturo...)*

14:30 **Antonio Gentilella**, Catalan Institute of Oncology, IDIBELL, Laboratory of Cancer Metabolism, Barcelona, Spain  
*The liaison between mTOR signaling, Ribosome Biogenesis and Cancer*

14:50 **Anna Carratù**, Santhera Pharmaceuticals, Liestal, Switzerland  
*From academia to industry: the regulatory affairs career*

15:10 **Alessandra Rosati**, Department of Medicine and Surgery, University of Salerno, Fisciano, Italy  
*BAG TREE on the ARTURO's ROOTS*

15:30 **Bruno Maresca**, Department of Pharmacy, University of Salerno, Fisciano, Italy- ETH, Department of Mechanics and Materials, Zurich, Switzerland  
*Bacteria trapped by deployable 3D micro-particles*

16:00

**Concluding remarks**