

**THURSDAY APRIL 19<sup>TH</sup>**

**11.00 WELCOME**

**11.10-11.50 OPENING SESSION**

*Chair: Antonella Canini*

11.10 - 11.25 **Albrecht Reichle** (Regensburg, D) Coping with the multi-dimensionality of communication in cancer

11.25 - 11.50 **Lina Ghibelli** (Regensburg, D) What besides oncogenes? Revisiting the seed and soil theory

**11.50-12.45 SESSION I**

**NUCLEAR RECEPTOR AGONISTS TO REMODULATE CANCER TISSUE**

*Chair: Clara Nervi, Karolien De Bosscher*

11.50 - 12.10 **Karolien De Bosscher** (Gent, NL) Glucocorticoid receptor crosstalk mechanisms in inflammation and cancer

12.10-12.25 **Luca Piemontese** (Bari, I) Therapeutic potential of PPAR ligands: towards new and intriguing goals.

12.25-12.40 **Francesco Capradossi** (Roma, I) Durable control of cancer cell growth combining nuclear receptor agonists

12.40-12.55 **Fulvia Farabegoli** (Bologna, I) EGCG and IIF limit Be(2)C neuroblastoma cell viability and sphere formation

**12.55-13.55 Lunch break**

**13.55-15.05 SESSION II**

**MODULATING CANCER MICROENVIRONMENT**

*Chair: Raquel Blazquez, Halina Was*

13.55-14.15 **Raquel Blazquez** (Regensburg, D) PI3K: A master regulator of brain metastasis-promoting MΦ/microglia

14.15-14.30 **Francesca Corsi** (Roma, I) Abrogating chemotherapy-induced tumor repopulation with nanoparticles

14.30-14.50 **Halina Was** (Poland) Drugs-treated cancer cells display stem-like and senescent cell features

14.50-15.05 **Gaia Favero** (Brescia, I) Melatonin in cancer: potential mechanism(s) of action

**15.05-15.55 SESSION III**

**REPROGRAMMING CANCER METABOLISM**

*Chair: Marina Kreutz, Kathrin Renner*

15.05-15.25 **Corinna Seliger** (Regensburg, D) Dual inhibition of STAT3 by Statin and metformin in glioma cells

15.25-15.40 **Kathrin Renner** (Regensburg, D) Non-steroidal anti-inflammatory drugs in the context of immunotherapy

15.40-15.55 **Marina Kreutz** (Regensburg, D) Metabolic targeting with metformin and low doses NSAIDs induces apoptosis

**15.55-16.25 Coffee break**

**16.25-17.30 SESSION IV**

**TUMORS: REPROGRAMMED STROMA AND ORGAN FUNCTIONS**

*Chair: C Christopher Gerner, Albrecht Reichle*

16.25-16.45 **Christopher Gerner** (Vienna, A) Integrative Metabolomics with Impact on Survival in Serous Ovarian Cancer.

**SECOND INTERNATIONAL MEETING ON ANAKOINOSIS**  
**Reestablishing apoptosis competence via Communicative Reprogramming**  
**Villa Mondragone, April 19-20, 2018**

16.45-17.00 **Besnik Muqaku** (Vienna, A) Multi-omics analysis of serum samples

17.00-17.15 **Lukas Janker** (Vienna, A) Curcumin exerts its antitumor effects in a context dependent fashion

17.15-17.30 **Laura Niederstätter** (Vienna, A) Immune cells strategies for coping with metabolic stress as cancer model

**17.30-18.15 SESSION V**

**NATURAL COMPOUNDS AND NANOMATERIALS FOR BIOMODULATION**

*Chair: Marc Diederich, Claudia Crestini*

17.30-17.50 **Marc Diederich** (Seoul, South Korea) Non-canonical cell death by natural and/or epigenetically active compounds

17.50-18.00 **Anegele Gismondi** (Roma, I) Spartium junceum L. extract induces senescence in B16-F10 cells

18.00-18.15 **Claudia Crestini** (Roma, I) Stabilization of natural compounds for anticancer therapy Natural polyphenols nanostructures for controlled delivery

18.20-18.30 **Mario Pieroni (ZERYNTHIA) and Dora Stiefelmeier (RAM radioartemobile): Sounds and voices for art and science (FROM SOUND ART MUSEUM)**

**20.00 Conference Dinner**

**FRIDAY APRIL 20<sup>TH</sup>**

**9.00-10.35 SESSION VI**

**TARGETING EPIGENETICS FOR CANCER CONTROL**

*Chair: Lucia Altucci, Patrizia Filetici*

09.00-09.20 **Lucia Altucci** (Napoli, I) RIP1-HAT1-SirT complex targeting in treatment and prevention of cancer

09.20-09.40 **Alessandra Covre** (Siena, I) Epigenetic Immunomodelling to Improve the Efficacy of Cancer Immunotherapy

09.40-10.00 **Ambra di Veroli** (Roma, I) Prognostic factors of response to hypomethylating agents in higher-risk MDS

10.00-10.15 **Patrizia Filetici** (Roma, I) Acetylation, Metabolism and Respiration from model system to human cells

10.15-10.35 **Clara Nervi** (Roma, I) MicroRNA in the epigenetic control of normal and neoplastic myelopoiesis

**10.35-11.05 Coffee break**

**11.05 - 12:10 SESSION VII**

**REPROGRAMMING COMMUNICATIVE NETWORKS IN TUMOR SYSTEMS**

*Chair: Maria Teresa Voso, Raffaella Chiaramonte*

11.05-11.25 **Albrecht Reichle** (Regensburg, D) Anakoiosis: Reprogramming communicative networks in tumor systems, a meta-analysis

11.25-11.40 **Raffaella Chiaramonte** (Milan, I) Targeting Notch to induce anakoiosis in multiple myeloma niche

11.40-11.55 **Thomas Vogt** (Homburg-Saar, D) Metronomic chemotherapy and biomodulation in cutaneous angiosarcomas

11.55-12.10 **Michael Rechenmacher** (Regensburg, D) Communicative reprogramming non-curative hepatocellular carcinoma

**12.10- 12.55 SESSION VIII**

**A HEAT SHOCK PROTEIN-ER STRESS-AUTOPHAGY AXIS IN CANCER?**

*Chair: Gabriele Multhoff, Thomas Vogt*

12.10-12.30 **Gabriele Multhoff** (Munich, D) Theranostic implications of Hsp70 induced by COX-2 inhibitors

12.30-12.45 **Ignacio Bejarano**: Modulation of leukaemia cells proneness to apoptosis by targeting HSP

12.45-12.55 **Sabrina Di Bartolomeo**: Reversing EMT through autophagy induction in glioblastoma cells

**12.55-13.55 Lunch break**

**13.55 -14.55 SESSION IX**

**METRONOMIC LOW-DOSE CHEMOTHERAPY AND ANAKOINOSIS**

*Chair: Nicolas André, Lina Ghibelli*

13.55-14.15 **Nicolas André** (Marseille, F) Metronomic Chemotherapy: Direct Targeting of Cancer Cells after all?

14.15-14.30 **Emanuele Bruni** (Roma, I) Metronomic etoposide induces caspase-free apoptosis and differentiation

14.30-14.45 **Roland Schelker** (Regensburg, D) Low-dose trofosfamide plus rituximab for DLBCL of the elderly

14.45-14.55 **Rosa Manca** (Napoli, I) A novel form of MnSOD and its leader peptide: low dose cancer therapy

**14.55-16.25 SESSION X**

**MODEL SYSTEMS FOR STUDYING COMMUNICATIVE REPROGRAMMING**

*Chair: Giulia Piaggio, Eugenio Martinelli*

14.55-15.15 **Giulia Piaggio** (Roma, I) Animal model systems for in vivo visualization of proliferation

15.15-15.35 **Eugenio Martinelli** (Roma, I) Drug treatment evaluation by a multivariate analysis of cell motilities

15.35-15.50 **Antonella Ragnini** (Roma, I) Phenotypical screening as a tool to deconvolve complex cellular networks

15.50-16.00 **Claudia Fuoco** (Roma, I) Investigating the rhabdomyosarcoma cell origin and heterogeneity

16.00-16.10 **Filippo Boniardi**: Tumor spatial microenvironment characterization with Imaging Mass Cytometry

16.10-16.25 **Cesare Gargioli** (Roma, I) Perivascular stem/progenitor cells and their homeostatic activity

**16.25-16.30 CONCLUDING REMARKS AND COFFEE**