



GRUPPO DIFFERENZIAMENTO E
TRASFORMAZIONE NEOPLASTICA



GRUPPO PROTEINE
SOCIETÀ ITALIANA DI BIOCHIMICA
E BIOLOGIA MOLECOLARE

**3rd Joint Workshop
of the SIB groups “Differentiation and Neoplastic Transformation”
and “Protein”**

***From genes to metabolites through proteins: dealing with
human health and disease***

**27th February 2020 Università Milano Bicocca
Piazza della Scienza 4, Room U4-08 Luisella Sironi**

Milano

Sponsor



**diatech
labline**



EuroElone®
serving science through innovation

Scientific and Organizing Committee

Ferdinando Chiaradonna

Gabriella Tedeschi

Francesca Ricciardiello

Elisa Maffioli



UNIVERSITÀ DEGLI STUDI
DI MILANO

Scientific Program

09.50-10.00 Opening Remarks

10.00-11.00 First Session

Chairs: Antona Annamaria, Di Bella Virginia

10.00-10.15 *Assessing the role of the mitochondrial HIF-1A in BRCA1-mediated breast tumorigenesis.* **Erika Olivo.** University of Catanzaro

10.15-10.30 *Oncogenic potential of GATA-1S, the shorter isoform of the hematopoietic transcriptional factor GATA-1, and its relation with reactive oxygen species (ROS) production and mitochondrial metabolism in leukemia cells.* **Silvia Trombetti.** University of Napoli

10.30-10.45 *Increased mitochondrial biogenesis in bladder cancer with low aggressiveness potential.* **Antonella Cormio.** University of Bari

10.45-11.00 *Proteomic analysis of human β -cells grown on nanostructured zirconia surfaces: cell survival, differentiation events and mitochondrial remodelling.* Dott. **Simona Nonnis.** University of Milano

11.00-11.30 Coffee Break

Chair: Ferdinando Chiaradonna

11.30-12.00 *Invited lecture Tackling tumor cell metabolism.* **Saverio Minucci.** European Institute of Oncology (Milano)

12.00-13.00 Second Session

Chairs: Bordoni Valentina, Ricciardiello Francesca

12.00-12.15 *Arresting proliferation of colorectal adenocarcinoma cancer cells by promoting spurious transcription upon enzymatic-mediated methionine depletion.* **Samanta Raboni.** University of Parma

12.15-12.30 *Role of nicotinamide N-methyltransferase in malignant melanoma: in vitro effect of shRNA-mediated gene silencing on tumorigenicity and chemosensitivity.* **Veronica Pompei.** Università Politecnica delle Marche (Ancona)

12.30-12.45 *Snf1/AMPK activity is controlled by glucose transport rate and glucose phosphorylation independently by Ras/PKA pathway.* **Riccardo Milanese.** University of Milano Bicocca

12.45-13.00 *Exploiting serine hydroxymethyltransferase moonlighting function: novel perspectives to target serine metabolism in cancer cells.* **Alessio Paone.** University of Rome

13.00-14.00 Lunch and Poster Session

14.00-15.00 Poster Session

Chair: Tedeschi Gabriella

15.00-15.25 Invited lecture *Sex and gender in Research.* **Susanna Chiocca.** European Institute of Oncology (Milano)

15.25-17.10 Third Session

Chairs: Vismara Mauro, Maffioli Elisa

15.25-15.40 *Study of the hyper-reactivity of cysteine residues in oxidative folding process.* **Flora Cozzolino.** University of Naples

15.40-15.55 *Acetyl-CoA metabolism supports multi-step pancreatic carcinogenesis.* **Alessandro Carrer.** Veneto Institute of Molecular Medicine, Padova

15.55-16.10 *Cholesterol homeostasis modulates platinum sensitivity in human ovarian cancer.* **Danilo Swann Matassa.** University of Naples

16.10-16.25 *Pancreatic cancer cells undergo a metabolic shift during epithelial-to-mesenchymal transition towards the acquisition of a quiescent stem state.* **Ilaria Dando.** University of Verona

16.25-16.40 *Fruitful collaboration between sulfated glycosaminoglycans and proteins in cancer cell signalling regulating adhesion migration and invasiveness.* **Lorenzo Depau.** University of Siena

16.40-16.55 *Stromal lactate reprograms lipid metabolism and histone acetylation in prostate carcinoma.* **Luigi Ippolito.** University of Firenze

16.55-17.10 *How stemness-related pathways determine chemoresistance in malignant pleural mesothelioma?* **Joanna Kopecka.** University of Torino

17.10-17.20 Closing remarks and Awards

Short talk commission: Bagella Luigi Marco, Ruzzene Maria, Vanoni Maria Antonietta

Poster commission: Baldanzi Gianluca, Giannattasio Sergio, Costanzo Paola