



# SIPMeT

C O N G R E S S 2 0 2 6

16<sup>TH</sup>-18<sup>TH</sup> SEPTEMBER 2026

NAPOLI • ITALY  
Università degli Studi della  
Campania Luigi Vanvitelli

**V:** Università  
degli Studi  
della Campania  
*Luigi Vanvitelli*

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Dear Colleagues and Friends,

It is with great honor that I present the program for the 2026 Congress of the Italian Society of Pathology and Translational Medicine (SIPMeT), the first meeting I convene as President. I am especially proud to announce that the Congress will be held in the historic city of Naples, a place of deep symbolic and scientific significance.

This meeting will serve both as a platform for scientific exchange among researchers, clinicians and early-career investigators, and as an occasion to honor our roots and reflect on the future of pathology and translational medicine at national and international levels.

As molecular diagnostics, digital pathology and artificial intelligence reshape workflows and interpretation, the conference will provide consensus frameworks and practical training to support their safe and effective adoption. The Society's role in validating biomarkers and harmonizing testing protocols remains crucial to ensuring equitable access to targeted therapies and clinical trials.

The scientific program will include plenary sessions, thematic symposia, poster discussions and oral presentations showcasing the most innovative contributions. Key topics will span molecular pathology and immunology, personalized therapies, advanced diagnostics and regenerative medicine, with special attention to omics technologies, artificial intelligence and emerging translational research platforms.

The Congress will also be an important opportunity to recognize and support young researchers, fostering the generational renewal essential for sustaining innovation and the international relevance of our discipline.

I warmly invite you to join this landmark event in the spirit of collaboration and shared purpose that has always defined our scientific community.

Let us celebrate science and passion together.

With kind regards,  
*Prof. Lucia Altucci*  
*SIPMeT President 2026-2027*

UNDER THE AUSPICES OF



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Prof. Nunzio Del Gaudio

Prof. Chiara Papulino

Prof. Ugo Chianese

Dott. Lucia Capasso

## PROGRAMME

12:00

Registration

13:45

Opening Ceremony and Welcome Address

## Session 1

Introduced and moderated by *L. Altucci (Napoli) & A. Nebbioso (Napoli)*

14:00-14:30

**The cell cycle directs tumor cell fate by shaping the epigenome**  
***S. Minucci (Milano)***

14:30-15:30

**Oral communications selected from abstracts****Chairs: *F. De Nigris (Napoli), M. Libra (Catania),******M. Parola (Torino), R. Ronca (Brescia)***EpiMethEx 2.0 tool for the integrated analysis of differentially methylated regions in cancer - *A. Lavoro (Catania)*DNA methylation heterogeneity re-emerges during clonal expansion of glioblastoma cells - *M. Cuomo (Napoli)*

Extracellular Vesicles as Biomarkers in Breast Cancer: Impact of Tumor Modeling

Approaches In Vitro - *G. Poppa (L'Aquila)*Mechanobiology-guided drug repurposing identifies budesonide as an inhibitor of stiffness-induced PDAC aggressiveness - *S. Mas (Palermo)*

15:30-16:30

Coffee break and poster session

## Session 2

Introduced and moderated by *G. Canettieri (Roma) & M. Bifulco (Napoli)*

16:30-17:00

**Neuroimmune interfaces in cardiovascular disease**  
***D. Carnevale (Roma)***

17:00-18:15

**Oral communications selected from abstracts****Chairs: *M.M. Corsi Romanelli (Milano), N. Caccamo (Palermo),******A. Mazzocca (Barletta), A. Migliaccio (Napoli)***Role of T3 supplementation in early stage of diabetic retinopathy: evidence of a protective local thyroid hormone adaptation - *S. Calcagno (Firenze)*Blood-based neurological and inflammatory biomarkers predict short- and long-term mortality in hospitalized older adults: findings from the BADGER study - *S. Fantone (Ancona)*Cuprizone exerts microglia-mediated neurotoxic effects and modulates autophagy through G-quadruplexes in neuronal cells. - *C. Bucciero (Napoli)*Circulating Sestrin 2 levels increase with age and are associated with functional, biochemical and inflammatory decline and higher mortality in an Italian population - *A. Santoro (Bologna)*Simvastatin Protects Human Cardiomyocytes against Doxorubicin-Induced Toxicity by Modulating Cell Cycle Proteins and Apoptotic Pathways - *B. Pala (Roma)*

**Session 3**Introduced and moderated by *E. De Smaele (Roma)* & *M. Di Domenico (Napoli)*

09:00-09:30 **From Longevity Gene to Therapy: LAV-BPIFB4 as a Paradigm of Translational Medicine for Healthy Aging**  
*A. A. Puca (Salerno)*

09:30-10:30 **Oral communications selected from abstracts**  
**Chairs: O. Bussolati (Parma), S. Catalano (Cosenza), F. Curcio (Udine), A. Perra (Cagliari)**  
Epigenetic Stratification in EGFR and KRAS NSCLC Patients: Role of Aberrant Methylation of CD274/PD-L1 gene - *F. P. Fabrizio (Enna)*  
Somatic focally amplified super-enhancers as novel oncogenic driver in neuroblastoma - *G. Sgueglia (Napoli)*  
The Oncostatin M/OSMR $\beta$  Axis Shapes the Tumor Microenvironment and Enhances Invasiveness in Intrahepatic Cholangiocarcinoma - *J. Nurcis (Torino)*

**Presentation sponsored by VAZYME**

10:30-11:30 Coffee break and poster session

**Session 4**Introduced and moderated by *E. De Smaele (Roma)* & *C. Stellato (Salerno)*

11:30-12:00 **Basic Principles of Immune Tolerance: on the Existence of Regulatory T cells**  
*G. Matarese (Napoli)*

12:00-13:00 **Oral communications selected from abstracts**  
Metabolic dominance of glycolysis over lipid metabolism shapes osteosarcoma heterogeneity and drug response - *U. Chianese (Napoli)*  
AMBRA1 regulates Sonic Hedgehog signaling during cerebellar development and promotes SHH-medulloblastoma - *P. Infante (Roma)*  
From patient to prediction, autologous inflamed synovium-on-chip models to forecast therapeutic response in rheumatoid arthritis - *A. Chiocchetti (Novara)*  
Glutamine derived from human macrophages is needed for IFN gamma secretion by CD8+ lymphocytes. - *M. Bianchi (Parma)*

13:00-14:30 Lunch

**Session 5**Introduced and moderated by *A. Feliciello (Napoli)* & *M. Maggiolini (Cosenza)*

14:30-15:00 **Innovative trial design in Cancer Medicine**  
*G. Curigliano (Milano)*

15:00-16:00 **Oral communications selected from abstracts**  
**4 PARALLEL SESSIONS** (BIOTECHNOLOGY - EPIGENETICS - IMMUNO-ONCOLOGY - PATHOLOGY)

SESSION BIOTECHNOLOGY  
ROOM SP3

**Chairs: V. Carafa (Napoli), E. Ciaglia (Salerno), M. Conte (Napoli), G. Nassa (Salerno)**

FFPE-Open-ST: Whole-transcriptome spatial transcriptomics unlocks the potential of archival clinical samples - *M. Brunetti (Roma)*  
Snowball Effect: A Synergistic Nanotechnology Platform for Precision Radiosensitization of Triple-Negative Breast Cancer - *C. Anceschi (Firenze)*  
Targeting Circadian Dysregulation and Airway Inflammation in Cystic Fibrosis Using Inhalable Iloprost Nano-in-Micro Formulations: An Ex Vivo and Exome-Based Study. *A. L. Carbone (Foggia)*  
Targeting YAP/TAZ to overcome drug resistance in melanoma cells - *J. Ruzzolini (Firenze)*  
Novel insights into the pathogenetic mechanisms of cancer resistance against Topotecan: the role of glutathione transferase omega 1-1. Paties - *G. Montagner (Pisa)*  
Succinate-Generated Redox Potential Enhances the Efficacy of Chemosensitizers in Overcoming Cancer Drug Resistance - *P. Leone (Bari)*

SESSION EPIGENETICS  
& SIGNAL TRANSDUCTION  
ROOM SP2

**Chairs: L. Chiariotti (Napoli), N. Del Gaudio (Napoli), R. Muraro (Chieti), R. Tarallo (Salerno)**

Establishing METTL16 as a key regulator of GBM carcinogenesis - *M. Crepaldi (Napoli)*  
Hypoxia-Driven EphA2 Targeting Enables A40s-miR-340-5p Delivery to Disrupt Glioblastoma Stem Cells - *M. Mascolo (Napoli)*  
CDK4/6 inhibitors induce.... - *M. Talia (Cosenza)*  
Tau Protein (MAPT) as a Marker of Neuroblastoma Cell Identity - *E. Cornacchia (L'Aquila)*  
Moderate physical training rescue diastolic dysfunction by decreasing myocardial fibrosis in a rat model of obese HFpEF - *D. Stefanizzi (Udine)*  
Mediterranean Diet-Associated Extracellular Vesicles Attenuate Breast Cancer Aggressiveness through the miR-10a-5p/HSP90 Axis - *L. Gelsomino (Cosenza)*

## PROGRAMME

### SESSION IMMUNO-ONCOLOGY & MOLECULAR ONCOLOGY ROOM SP4

**Chairs:** *M. Conese (Bari), C. Dell'Aversana (Napoli), U. Dianzani (Novara), A.D. Procopio (Ancona)*

HIV-1 Priming Induces Trained Immunity-Like Features in Human Monocytes - *Vanetti Claudia*  
Immunomodulation of  $\gamma\delta$  T Cells in Glioblastoma Multiforme - *C. Dieli (Palermo)*  
TCD147 Orchestrates Tumor Growth and Microenvironmental Remodeling in H3 K27-Altered Diffuse Midline Glioma - *R. Colonna (Milano)*  
The oncogenic lncRNA PVT1 drives DNA Damage Response adaptation and therapeutic vulnerability in Breast Cancer - *V. Melone (Salerno)*  
A PTX3/TLR4 AXIS SUSTAINS SHH-MEDULLOBLASTOMA GROWTH AND DEFINES A NEW THERAPEUTIC VULNERABILITY - *S. Filiberti (Brescia)*  
Involvement of innate lymphocytes in the pathogenic mechanisms of colorectal cancer - *M. Fallo (Palermo)*

### SESSION PATHOLOGY ROOM AULA AGNA

**Chairs:** *L. Atzori (Cagliari), L. Capasso (Napoli), G. Cobellis (Napoli), S. Martinotti (Chieti)*

KCTD14 as a potential modulator of mitochondrial metabolism in thyroid cancer - *N. Luciano (Napoli)*  
P2RX4 drives lipid metabolic rewiring and pseudohypoxic adaptation in ccRCC - *B. De Marino (Napoli)*  
SP6 Promotes LPCAT1-Dependent Lysophosphatidylcholine Reprogramming and Preserves Cardiomitochondrial Homeostasis in Type 2 Diabetes - *C. Iside (Salerno)*  
ROLE OF VERSICAN PROTEOGLYCAN IN BREAST CANCER ADIPOSE MICROENVIRONMENT-F. *D'Alterio (Napoli)*  
KCASH2 as a new modulator of the mitotic checkpoint - *S. Bellardinelli (Roma)*  
Asparaginase induces amino acids-dependent metabolic stress coupled with abortive S-phase and loss of cell-matrix interactions in renal cell carcinoma - *A. Previtali (Pavia)*

Introduced and moderated by *S. Andò (Cosenza) & C. Caruso (Palermo)*

16:00-16:30 **Atypical chemokine receptors - ACKR3 to ACKR5 (GPR182)**  
*M. Thelen (Switzerland)*

17:00-18:00 SIPMeT General Assembly

20:00 Social event



18<sup>TH</sup>  
SEP

## PROGRAMME

### Session 6

Introduced and moderated by *F. Curcio (Udine) & P. Formisano (Napoli)*

09:00-09:30 **Novel diabetes medications: clear health benefits through incompletely known mechanisms**  
*E. Orsi (Milano)*

09:30-11:00 **Oral communications selected from abstracts**  
Cell state plasticity highlights the Sting pathway as a therapeutic vulnerability for high-risk neuroblastoma - *R. Schirano (Roma)*  
A role of the ubiquitin ligase Praja2 in autophagy and metabolic remodelling of GBM cells. - *E. Senatore (Napoli)*  
MDM2 Inhibition Enhances NK Cell-Mediated Cytotoxicity Against Osteosarcoma Through p53-Dependent Upregulation of Activating Receptor Ligands Cifaldi - *L. C. Cifaldi (Roma)*  
The antidiabetic drug metformin inhibits colorectal cancer growth through the PEN2-lysosome-NRF2 axis - *L. Campea (Roma)*  
Modulation of Th1 and Th2 chemokines secretion by corticosteroids, or rapamycin, in primary orbital cell cultures of patients with thyroid eye disease - *S. M. Ferrari (Pisa)*  
MCUB limits intestinal epithelial regeneration and barrier integrity during inflammatory bowel disease - *A. De Mario (Padova)*

11:00-11:45 Coffee break and poster session

### Session 7

Introduced and moderated by *L. Romani (Perugia) & L. Frati (Roma)*

11:45-12:15 **Cancer Vaccine**  
*P. Ascierto (Napoli)*

12:15-13:15 **Awards and farewell address**



## CONGRESS VENUE

### NAPOLI • ITALY

Università degli Studi della Campania  
Luigi Vanvitelli - Complesso Santa Patrizia,  
Via Luciano Armanni, 5, 80138 Napoli NA



The scientific sessions will be held in **Aula Magna**.  
Due to limited capability of the room and large number of  
participants, three additional rooms will be connected in  
streaming.

Access to the rooms during the event will be free and not  
regulated, at the delegates' choice (according to availability).



## REGISTRATIONS

The Congress is upon registration.  
The event is reserved to SIPMeT members.

Due to the exceptionally high number of registrations  
already received and finalized, registration for the  
congress is now permanently closed. Unfortunately,  
capacity and safety constraints do not allow us to  
accept further registrations.

We kindly inform you that it will not be possible to  
renew the membership onsite.

## SOCIAL EVENT

A "Get-together" cocktail dinner will be organized on  
**Thursday 17th September at "Palazzo Caracciolo"**  
(Via Carbonara, 112, 80139 Napoli NA).

A ticket will be delivered to those participants who  
booked the Cocktail Dinner when registering.

Ticket is mandatory to attend the social event.

## GENERAL INFORMATION



### ABSTRACT BOOK

All abstracts submitted and accepted by SIPMeT will be available in PDF format on  
the website [www.sipmet.org](http://www.sipmet.org)



### CERTIFICATE OF ATTENDANCE

Certificates of attendance will be sent by e-mail after the end of the Congress.



### NAME BADGE

A name badge will be required to access to the congress area. Participants will  
receive a name tag when checking in at the registration desk.

**The registration desk opens on 16th September, at 12.00.**



### CATERING

SIPMeT is glad to offer a buffet lunch to all congress delegates on Thursday 17th  
September.  
Coffee breaks will also be offered every Congress day.



### CONGRESS LANGUAGE

The official language of the Congress is English.

## POSTER AWARDS

SIPMeT Advisory Board decided to create

### 9 AWARDS OF € 250 EACH

for the best abstracts submitted by young scientists.

#### Among them:

- 1 award is for research in the oncological field, dedicated to the memory of Prof. Alberto Gulino
- 1 award is dedicated to the memory of Prof. Edoardo Alesse
- 1 award is dedicated to the memory of Dr. Giulia Guarino
- 1 award is dedicated to the memory of Prof. Francesco Bresciani
- 1 award, entitled "Woman in General and Clinical Pathology", is provided by Corsi Romanelli Family

#### The following additional awards will be also provided:

- Two awards of € 500 each by Ripagec.
- Two awards of € 750 each by Fondazione Pandolfi.

Winners must pick up the awards on Friday 18th September, from 12.30 p.m. to 1.00 p.m.

Awards will not be delivered in case of absence.

## POSTERS

#### Posters will be displayed in paper format.

An appropriate poster area will be set up in the congress venue, nearby the Aula Magna.

#### Posters will be displayed in two different sessions among all congress days:

Session A: from 16 september 14:00, until 17 september 13:00

Session B: from 17 september 14:30, until 18 september 13:00



## ABSTRACTS

### A001

Aptamer-Based Therapeutics Targeting AXL and CAFs to Overcome Chemoresistance in Lung Cancer

Z. Zaroon, B. De Marino, C. D'Ambrosio, F. De Nigris

### A002

CBX3 as a prognostic biomarker in lung cancer

M. Waqas, N. Del Gaudio, C. Dell'Aversana, A. Nebbioso, V. Carafa, L. Altucci, M. Conte

### A003

MLH1 promoter methylation, mismatch repair, and intestinal differentiation markers in papillary thyroid carcinoma

F. França Vieira E Silva, A. Ballini, M. Di Domenico

### A004

Dissecting METTL3 Inhibition as a Potential Platform for Synthetic Lethality in NSCLC

M. Gull, G. Bove, N. Del Gaudio, L. Altucci

### A005

KIRCONG chim PEG enhances Vorinostat efficacy in TNBC by targeting STAT3 signalling

C. Bucciero, G. Castellano, A. Cugudda, S. La Manna, D. Marasco, G. Portella, A.M. Malfitano

### A006

PREP1 DEFICIENCY PROTECTS FROM HYPERGLYCEMIA-INDUCED RETINAL NEURODEGENERATION

F. Mormone, C. Nigro, E. Di Napoli, F. Margheri, M. Longo, C. Morelli, A. Leone, I. Prevenzano, G. Dello Iacovo, F. Feleppa, G. Perruolo,

A. Laurenzana, O. Paciello, P. Formisano, F. Oriente

### A007

Challenges posed by EU EVDR regulations for pathology laboratories and compliance solutions

O. Schnaedelbach

### A008

Evaluation of novel compounds for reduction of serum bilirubin.

C. D'Ambrosio, B. De Marino, Z. Zaroon, F. De Nigris

### A009

The AKAP1 ribonucleoprotein network integrates mitochondrial homeostasis, P-body dynamics and protein translation in cycling cells.

L. Rinaldi, E. Senatore, G. Sorvillo, A. Feliciello

### A010

Functional characterization of CBX2 inhibition in GBM

B. La Rocca, M. Conte, V. Carafa, N. Del Gaudio, L. Altucci

**A011**

Integrated Transcriptional and Post-Transcriptional Remodeling of Adipose Tissue by the DPP-4 Inhibitor Linagliptin in Experimental Obesity

L. La Sala, F. Bianchi, P. Primignani, E. Vianello, M.M. Corsi Romanelli, E. Dozio

**A012**

Modelling functional and metabolic alterations in an experimental human-derived model of steatotic-like HepG2 hepatocytes by exploiting a novel sustainable extract of Malus domestica Cripps Pink apple extract

C. Giglione, L. Comi, H. Berisha, R. Hattab, P. Magni

**A013**

Resveratrol and its analogue with similar metabolic profiles synergistically enhance cisplatin cytotoxicity, inducing DNA damage in A549 lung cancer cells

M. De Vita, I. Maffini, B. Mannucci, L.A. Stivala, M. Savio

**A014**

Anti-beta 4 integrin antibodies in patients with mucous membrane pemphigoid: an European multicentric study

G. Isoldi, R. Maglie, C.V. De Almeida, E. Rovida, E. Antiga, M. Lulli

**A015**

Proteomics of peri-pancreatic adipose tissue in overweight/obesity and in type 2 diabetes

M. Suleiman, M. Tesi, F. Di Cintio, S. Del Guerra, L. Rossi, C. Saponaro, M. Ronci, P. Marchetti, L. Marselli

**A016**

S-Adenosylmethionine Enhances Temozolomide Sensitivity and Overcomes MGMT-Mediated Resistance in Glioblastoma Cells

L. Mosca, C. Pagano, C. Laezza, P. De Antonellis, M. Gentile, G. Avilia, D. Totaro, M. Siniscalchi, M. Bifulco, M. Porcelli

**A017**

METTL16-mediated inhibition of MXD4 promotes acute myeloid leukemia through activation of MYC-MAX axis

G. Bove, R. Benedetti, C. Dell'Aversana, V. Carafa, A. Nebbioso, L. Altucci, M. Esteller, N. Del Gaudio

**A018**

The Potential Anti-inflammatory and Antioxidant Effects of Strawberry Extract Sabrina on LPS-Induced Inflammation in THP-1-Derived Macrophages

N. Malik, G. Verrilli, S. Pacifico, S. Piccolella, L. Altucci, V. Carafa

**A019**

Dual targeting of PI3K and Aurora B pathways produced an anti-tumor response in preclinical models of NSCLC harboring PIK3CA mutations.

G. Digiacoimo, M. Pagano Mariano, S. La Monica, G. Mazzaschi, R. Minari, M. Tiseo, P.G. Petronini, R. Alfieri, A. Cavazzoni

**A020**

IL-33-Associated Inflammatory Signaling and PPAR-Driven Metabolic Reprogramming in High-Fat Diet-Induced Cardiac Proteome Remodeling

M.M. Corsi Romanelli, M. Kalousová, E.M. Maffioli, L. Tacchini, E. Dozio, P. Roccabianca, G. Tedeschi, T. Zima, E. Vianello

**A021**

Decoding the Epigenetic Landscape Shaped by Obesity-Derived Extracellular Vesicles in Mammary Epithelial Cells: UBE2C as a Potential Driver of Early Breast Oncogenesis

P. Del Console, L. Gelsomino, E. Avolio, S. Andò, D. Bonofiglio, C. Giordano, I. Barone, S. Catalano

**A022**

The expression of the p62/SQSTM1 protein is regulated by the lysine-methyltransferase KMT5a and the p53 protein in glioblastoma

M. Buonaiuto, C. Napoli, A. Karimi Gohari, D. Costabile, M. Russo, M. Cuomo, D. Drongitis, M.G. Miano, F. Trio, M. Sabbarese, S. Ferraro,

A. De Bellis, L. Oliva, R. Visconti, L. Chiariotti, R. Della Monica

**A023**

Helicobacter pylori induces the production of Interleukin-37 from human gastric mucosa to promote immunosuppression, escaping specific T cell response.

C. Della Bella, R. Pathirana, R. Ferrero, M.M. D'Elíos, C. Nold-Petry, M. Nold, M. Kaparakis-Liaskos

**A024**

Interleukin 8 as a Potential Mediator of Obesity-Associated Inflammation in Multiple Myeloma Progression

L. Manna, M.F. Fiorita, G. Augimeri, L. Gelsomino, C. Giordano, M. Gentile, E.A. Martino, E. Avolio, C. Morelli, D. Sisci, D. Bonofiglio, I. Barone, S. Catalano

**A025**

DNA methylation profiling identifies epigenetic reprogramming in fulvestrant resistant ER+ breast cancer

M. Smal, A. Giordano, A. De Giorgio, E. Alexandrova, D. Di Rosa, F. Robertazzi, C. Veneri, T.R. Galise, G. Nassa, R. Tarallo, A. Weisz, F. Rizzo

**A026**

Neuropsychiatric disorders during treatment for ADHD with atomoxetine and methylphenidate a systematic review and meta-analysis

R. Di Napoli, C. Scavone, L. Di Costanzo, L. Sportiello, A. Capuano

**A027**

Pharmacological induction of a reversible dormancy-like state by the glucocorticoid budesonide restrains tumor growth in colorectal cancer

F. Saracino, E. Ibello, D. Delle Cave, S. Arbucci, G. Andolfi, R. Di Martino, G. Stassi, E. Battle, C. Cortina, E.J. Patriarca, E. Lonardo, G. Minchiotti

**A028**

HuR as a Therapeutic Vulnerability in Castration-Resistant Prostate Cancer

V. Tutino, C. Lauretta, D. Simão De Souza, E. Sabbatino, C. Sorrentino, M. Di Donato, P. Giovannelli, A. Migliaccio, G. Castoria

**A029**

Targeting TRPM8 in Metastatic Melanoma: A Dual Strategy for Apoptosis Induction and NK Cell Sensitization

C. Lauretta, C. Sorrentino, S. Musella, A. Bertamino, P. Giovannelli, A. Migliaccio, G. Castoria, M. Di Donato

**A030**

Therapeutic Potential of Silver Nanoparticles in Aggressive Breast Cancer Subtypes: A Mechanistic Insight  
N. Formica, C.ANCESCHI, S. Martinelli, P. Korakianiti, E. Frediani, J. Ruzzolini, A. Chillà, E. Efthimiadou, F. Margheri, A. Laurenzana

**A031**

Mitochondrial ultrastructural and morphometric profiling of monocytes in patients with geriatric frailty  
O. Navaei, B. Torsello, S. De Marco, B. Vergani, M. Bossi, M. Mauri, G. Ducci, V. Pasquale, M. Lombardi, E. Locatelli, F. Remelli, G. Pampolini, E. Ferrighi, M. Bursi, A. Bellotti, R. Candeloro, S. Serrao, M.C. Ferrara, W. Guo, E. Cucini, G. Bellelli, M. Castellazzi, G. Paglia, E. Sacco, D.P. Bernasconi, C. Trevisan, P. Mazzola, C. Bianchi

**A032**

Exploring the role of the chemokine receptor CXCR2 in muscle stem cell heterogeneity  
A. Gambardella, V. Tarallo, G. Andolfi, S. Arbucci, R. Di Martino, L. Altucci, G. Minchiotti, O. Guardiola

**A033**

The DNA minor groove binders Trabectedin and Lurbinectedin are potent antitumor agents in human intrahepatic cholangiocarcinoma  
E. Gäbele, I. Gigante, M. Pastore, A. Cigliano, G. Galleri, T. Bauer, E. Pizzuto, S. Mancarella, M. Mueller, F. Marra, H. Siegmund, G. Giannelli, M. Evert, C. Raggi, D. Calvisi, S. Steinmann

**A034**

Alzheimer's disease astrocytes exhibit enhanced susceptibility to gemcitabine-induced senescence  
S. Ristori, G. Bertoni, D. Monti

**A035**

Lifting the mist on pancreatic islet cell dysfunction in type 2 diabetes (T2D): lessons learnt from 1,615 organ donor pancreases handled at a single center.  
M. Tesi, M. Suleiman, M. Varisco, S. Del Guerra, C. De Luca, C. Saponaro, F. Raimondi, P. Marchetti, L. Marselli

**A036**

Identification of Mitochondrial Cytochrome b (MT-CYB) as a Novel Molecular Target of Lamotrigine in Breast Cancer Cells  
S. Spadafora, M. Fava, A. Galati, M. Strumbo, F. Grande, M.A. Occhiuzzi, F. Giordano, D. Sisci, C. Morelli

**A037**

Beyond Hallmark Stacking: A Data-Driven Bottleneck Framework for Prioritizing Mouse Lifespan Intervention Combinations  
M. Marco, G. Maria Elisa, B. Giorgia, L. Giovanni, A. Sunday Segun, M. Serena, O. Fabiola

**A038**

HIPK2 inhibition promotes cytoplasmic accumulation of TDP-43 and its interaction with VAPB: a proteomic insight into ALS pathogenesis  
C. Canè, A. Conte, A. Di Somma, M.E. Carbone, A. Palazzi, L. Tammaro, A. Rea, R. Venditti, A. Duilio, M.A. De Matteis, S. Paladino, G.M. Pierantoni

**A039**

Epigenetic regulation of LAV-BPIFB4 drives metabolic rewiring and modulates healthy aging  
A. Beato, U. Chianese, C. Papulino, I. Giacobbe, E. Ciaglia, A.A. Puca, L. Altucci, R. Benedetti

**A040**

Ivermectin and Methylene Blue enhance chemosensitivity in resistant cancer cell models  
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A.M. Corsale, M. Di Simone, J.P. Cerapio, C. Avellone, C. Dieli, S. Marchiafava, F. Dieli, S. Meraviglia

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The mitochondrial peptide Humanin as a protective biomarker of endothelial function in rheumatoid arthritis  
D. Coradduzza, S. Medici, G.L. Erre, C. Carru, M.R. De Miglio

**B007**

Macrophage-Derived Iron Shapes a Pro-Tumorigenic Microenvironment in Cholangiocarcinoma  
M. Correnti, E. Gammella, D.F. Calvisi, F. Cadamuro, M. Urso, F. Pagni, L. Russo, S. Recalcati

**B008**

The combination of nitroxoline with gemcitabine reduces metastatic burden in mouse models of pancreatic cancer  
A. Piro, R. Florio, L. De Lellis, A. Lamolinara, F.D. Del Pizzo, F. D'Ascanio, F. Brugnoli, V. Bertagnolo, P. Lanuti, M. Iezzi, A. Cama, S. Veschi

**B009**

GDF-15 and sST2 as independent predictors of long-term mortality in hospitalized older adults:  
a prospective cohort study  
C. Giordani, M. Di Rosa, G. Matacchione, M. Sbriscia, S. Fantone, S. Caccese, A. Giuliani, F. Olivieri, J. Sabbatinelli

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Disrupting Glioblastoma Stem Cell Niches: Translational Dual Targeting of MET and Hypoxia  
E. Somenza, M. Turati, C. Tavani, A. Angeli, C.T. Supuran, R. Ronca

**B011**

Antineoplastic Activity of Tyrosine Kinase Inhibitors CLM29 and CLM3 in Primary Anaplastic Thyroid Cancer Cells, from Biopsy or Fine Needle Aspiration  
F. Ragusa, P. Fallahi, C. La Motta, G. Elia, E. Balestri, C. Botrini, L. Rugani, S. Piaggi, G. Del Carlo, R. Rizzi, B. Cimbalo, G. Varricchi, A. Antonelli, S.M. Ferrari

**B012**

Mimicking the “BRCAness” in the High grade serous Ovarian Cancer:role of Pin1 targeting  
R. Reali, M.V. Giuli, S. Checquolo

**B013**

Dual inhibition of SETD8 and HDAC2 restores p53K382-dependent cell death in pediatric and adult tumor cells  
G. Li Vecchi, R. Schirano, C. Manfredi, D. Lopez, E. Appella, G. Giannini, V. Veschi

**B014**

Antineoplastic effects of Doxorubizen in Anaplastic Thyroid Cancer: evaluation by in vitro and in vivo studies  
G. Elia, S.M. Ferrari, I. Tkachenko, D. Walunj, E. Balestri, C. Botrini, F. Ragusa, L. Rugani, G. Del Carlo, R. Rizzi, B. Cimbalo, Y. Shoenfeld, A. Antonelli, G. Gellerman, P. Fallahi

**B015**

HuR targeting enhances tumor immunogenicity across multiple cancer models  
M. Casciello, I. Lettiero, A. Cascone, A.N. Calabrese, R. Presutto, M.J. Lamberti, V. Casolaro, C. Stellato, J. Dal Col

**B016**

Large-Scale Metabolomic Assessment of Obesity Using Multiple Analytical Platforms  
C. Piras, K.K. Kopeć, R. Pool, M. Mauri, S. Han, S. Bruins, B.H. Mishra, G. Drouard, D. Krongauz, P. Symianakis, K. Silventoinen, O. Raitakari, P.P. Mishra, T. Lehtimäki, E. Segal, E. Marouli, G. Santorelli, M. Kafyra, I.P. Kalafati, T. Palviainen, A. Obeso, L. Ligthart, F. Ahmadizar, L. Atzori, M. Ala-Korpela, A. Eriksson, J. Kaprio, D.J. Boomsma, A. Luszczynska, G.V. Dedoussis, A. Noto, V. Fanos

**B017**

One molecule, dual function: a novel scDb-TRAIL-ICG strategy for imaging and targeted therapy in Triple-Negative Breast Cancer  
C. Duranti, J. Iorio, G. Boso, T. Lottini, D. Lawrence, A. St. Lorenz, S. Burris, I. Peluso, A. Arcangeli

**B018**

Phospholipid reacylation acts as a metabolic checkpoint of macrophage activation and resistance to Leishmania infection  
G. Mazza, H. Ashwin, S. D'Alessandro, S. Parapini, F. Perego, E. Calvo Alvarez, S. Ghezzi, A. Murugan, G. Poli, P. Kaye, N. Basilico, S. Dey

**B019**

DNA Methylation remodelling in whole blood from Rheumatoid Arthritis patients treated with immune-modulatory Methotrexate therapy  
F. Ferraresi, E. Assirelli, K.M. Kwiatkowska, C. Pirazzini, D. Gentilini, F. Ursini, P. Garagnani, S. Neri

**B020**

Targeting the NF- $\kappa$ B/CES1 Axis to Reduce Cancer Stem Cell Survival in NSCLC  
D. Di Felice, F. Di Giovanni, I. Flati, F. Veglianti, M. Di Vito Nolfi, N.K. Hafiz, A. Costanzi, D. Vecchiotti, D. Verzella, E. Alesse, F. Zazzeroni, D. Capece

**B021**

POLD1 Variants in a cohort of hereditary cancer patients  
M. Zitiello, G. Favale, C. Della Pepa, A. Mignano, G. Caliendo, V. Carafa, M.T. Vietri

**B022**

Dual targeting of CAIX and FGF/FGFR system in triple negative breast cancer  
M. Turati, S. Filiberti, E. Somenza, C. Tavani, N. Tassone, M.L. Massardi, F. Carta, C.T. Supuran, R. Ronca

**B023**

Metabolic and immune signatures associated with rejection and tolerance in lung transplantation  
G. Micheloni, G. Zanini, V. Selleri, G. Sinigaglia, F. Paone, I. Righi, M. Nasi, M. Pinti

**B024**

Pharmacological and genetic targeting of HuR impairs oncogenic transcription in TKI-resistant NSCLC  
I. Lettiero, A. Cascone, M. Casciello, M.J. Lamberti, A.N. Calabrese, C. Stellato, J. Dal Col

**B025**

Evaluation of the MicroRNA expression profile suggests the involvement of the Hippo Pathway in colorectal cancer  
M. Spada, M. Pibiri, V.P. Leoni, C. Piras, A. Noto, F. Murgia, A. Restivo, L. Zorcolo, L. Atzori

**B026**

Accelerated epigenetic aging and epigenomic signatures in Major Depressive Disorder: preliminary results from the OPADE project  
M. Russo, D. Costabile, R. Della Monica, M. Buonaiuto, L. Oliva, P. Carmellini, A. Cuomo, A. Fagiolini, R. Visconti, L. Chiariotti, M. Cuomo

**B027**

Evaluating Plasma Extracellular Vesicle Galectin-10 as a Non-Invasive Biomarker for Eosinophilic Esophagitis: a Pilot Study  
A.N. Calabrese, F. Mone, A. Balestrino, A. Nigro, I. Carrieri, A. Motta, V. Conti, V. Casolaro, S. Lembo, M. Triggiani, M. Casciello, A. Cascone, I. Lettiero, P. Iovino, J. Dal Col, C. Stellato

**B028**

An inflammasome-associated molecular and tissue signature characterises temporal artery inflammation in giant cell arteritis  
G. Forte, R. Giacca, S. Croci, M. Patrone, D. Mauro, A. Salzillo, B. De Marino, M. De Feo, C. Salvarani, A. Cavazza, F. Ciccia

**B029**

Red Cell Distribution Width in Systemic Sclerosis: From a Hematological Parameter to a Potential Systemic Biomarker  
A. Salzillo, R. Giacca, G. Forte, T. Saleem, G. Palmiero, A. Ragone, L. Sapio, S. Naviglio, F. Ciccia, V. Liakouli

**B030**

Application of EMIL (Epigenetic Marker Hypomethylated for Acute Promyelocytic Leukemia) for epigenetic profiling and prognostic assessment in non-APL hematological malignancies  
C. Dell'Aversana, P. Scala, V. Giudice, B. Serio, G. Franci, G. Sgueglia, N. Del Gaudio, G. Bove, A.M. Della Corte, C. Selleri, L. Altucci

**B031**

From Stem Cell Models to tRNA-Based Therapy Exploration for IRF2BPL Disease  
A. Coppola, N. Salvi, L. Höeg, E. Pascale, G. Marinella, C. Fusco, T. Santini, R. Battini, L. Altucci, A. Fiorenzano, S. Albers, Z. Ignatova, M. Morlando, A. Fico, A. Fico

**B032**

Circulating microRNA Profiles for Personalized Medicine in Metastatic Colorectal Cancer  
N. Feverati, M.B. Zein, A. Po, G. Masci, C. Cataldi, V. Lucarini, M. Moretti, D. Nadorzi, F. Iafrate, V. Panebianco, P. Sammartino, L. Masuelli, E. Ferretti

**B033**

Exploring the role of m6A RNA methylation in modulating BCR-ABL1 expression and its functional impact on CML and ALL  
T. Uddin, S. Amin, M. Babaei, G. Bove, M. Gull, N. Simonelli, M. Crepaldi, S. Orsillo, W.L. Megchelenbrink, V. Carafa, A. Nebbioso, H.G. Stunnenberg, N.D. Gaudio, L. Altucci

**B034**

Identification of Regulatory microRNA miR-765 and miR-498 for the Treatment of Alzheimer's Disease  
F. Saleem, A. Warry Jallow, L. Yung Feng

**B035**

Identification of a Gut-Derived Inflammatory Phenotype in End-Stage Knee Osteoarthritis  
R.R. Vescio, M.V. Ristori, S.E. Aita, M. De Cesaris, A. Carnevale, U.G. Longo, S. Angeletti

**B036**

Validation of the EphA2- Targeting A40s Aptamer in Pancreatic Adenocarcinoma Cells and Extracellular Vesicles  
A. Fraticelli, S. Verde, G. Petrillo, M. Mascolo, C. Pignataro, Y.C. Veneruso, K. Tkalc̆ec, D. Fiore, C. Quintavalle, A. Affinito, G. Condorelli

**B037**

Integrative Transcriptomic and miRNA Network Analysis Reveals Molecular Signatures of Chemoresistance in Colorectal Cancer  
F. Longo, G. Castellano, L. Falzone, M. Libra

**B038**

Identification of Circulating and Tissue miRNA Signatures as Diagnostic and Prognostic Biomarkers in Uveal Melanoma  
G. Gattuso, M. Fallico, G. Broggi, R. Caltabiano, A. Longo, M. Libra, L. Falzone

**B039**

Selective Targeting of Folate Receptor-Positive Cancer Cells with Mebendazole-Loaded Folate-Functionalized Mesoporous Silica Nanoparticles  
A. Galati, M. De Santo, C. Longobucco, L. De Lellis, A. Cama, R. Florio, S. Veschi, M. Fava, S. Spadafora, R. Marinaro, N. De Cicco, D. Sisci, L. Pasqua, A. Leggio, C. Morelli

**B040**

Spatial transcriptome analysis of scaffold free patient derived organoids from Gliomas and Meningiomas  
S. Cassandro, F. D'Antonio, M. Palmieri, G. Gugliuzza, F. Gianni, A. Po, A. Ascione, T.M. Autilio, A. Citarella, M. Brunetti, G. Ruggiero, Z.M. Besharat, S. Patrizi, A. Cacchione, P. Palumbo, S. Rossi, S. Barresi, A. Carai, G. Macino, M. Antonelli, G. D'Amati, E. Miele, G. Minniti, A. Frati, A. Mastronuzzi, E. Ferretti, E. Splendiani

**B041**

Targeting ZMAT3 to Counteract Senescence-Driven Adipose Tissue Dysfunction: A Translational Approach  
R. D'Agostino, F. Zatterale, A. Desiderio, R. Spinelli, M. Pastorino, E. Perrella, G.A. Raciti, L. Parrillo, P. Formisano, F. Beguinot, M. Longo

**B042**

Targeting NADH Homeostasis through GPD2 Inhibition and Metabolic Stress Induces Tumor Regression in Colorectal Cancer  
G. Della Rocca, L. Campea, S. Ripa, L. Liberati, D. Ivy, R. Bordone, S. Chouaibi, G. Pani, A. Coluccia, M. Maroder, R. Silvestri, L. Di Magno, G. Canettieri

**B043**

Could Platelet-derived Longevity signatures Underlie Antagonistic Pathogenic Pleiotropy in Essential Thrombocythemia? Evidence from Platelet Factor 4 and BPIFB4  
R.M. Esposito, F. Montella, P. Imo, I. Elahi, G. Rescigno, M. Di Perna, A.A. Puca, E. Ciaglia, V. Lopardo

**B044**

Advanced bioluminescence molecular imaging reveals hidden central nervous system tropism in experimental visceral leishmaniasis  
M.C. Gonzalez-Montero, C. Garcia-Estrada, R. Balaña-Fouce, D. Taramelli, N. Basilico, R.M. Reguera, E. Calvo-Alvarez

**B045**

From Metabolic Dysfunction to Mortality: Clinical Insights from the Triglyceride-Glucose Index in Hospitalized Older Adults  
M. Sbriscia, L. Antognoli, A. Giuliani, S. Fantone, J. Sabbatinelli, C. Giordani, G. Matacchione, L. Tamberi, A.R. Bonfigli, F. Olivieri

**B046**

Genetic Determinants of MCI-to-Alzheimer's Disease Conversion in Type 2 Diabetic Patients  
E. Alexandrova, T.R. Galise, M. Smal, A. Omenetto, J.M. Sanz Molina, S. Del Mastro, C. Veneri, F. Robertazzi, A. De Giorgio, J. Lamberti, V. Izzo, B. Charlier, G. Bilancio, V. Raparelli, A. Passaro, M. Cirillo, A. Weisz, F. Rizzo

**B047**

The consequences of CNBP reduced expression in DM2 pathogenesis  
R. D'Amico, M. Marzullo, S. Coni, R. Bordone, A. Lobina, M. Terribili, L. Ciapponi, G. Canettieri

**B048**

RNA-loaded nanomedicine to modulate local intestinal inflammation in Inflammatory Bowel Disease  
G. Taurino, M.G. Bianchi, C. Ughini, L. Meneghel, M. Castellucchio, M. Chiu, G. Lollo, O. Bussolati

**B049**

Identification of fitness-associated lncRNAs interacting with Estrogen Receptor  $\alpha$  in Ovarian Cancer Cell models.  
M. Nikzaban, V. Melone, L. Palo, D. Palumbo, M. Ianiello, Y. D'Agostino, R. Tarallo

**B050**

Cytokine-Associated Immune Regulation, CXCR4 Expression, and Macrophage Polarization in Alteplase-Associated Angioedema  
I. Elahi, V. Lopardo, R.M. Esposito, V. Andreone, M. Bova, P. Candelaresi, F. Palestra, G. Varricchi, G. Servillo, S. Loffredo, E. Ciaglia

**B051**

Targeting amino acid transportome to overcome castration resistant prostate cancer  
G. Taurino, C. Ughini, M. Castellucchio, M.G. Bianchi, D. Scordamaglia, R. Lappano, M. Maggiolini, S. Tardito, M. Chiu, O. Bussolati

**B052**

Multiple Myeloma Glutamine Addiction Shapes a Pro-Tumor Bone Marrow Niche  
G. Taurino, M. Castellucchio, M.G. Bianchi, C. Ughini, C. Maccari, R. Andreoli, L. Casati, O. Bussolati, M. Chiu

**B053**

A Ras family member mediates ERK5 activation in response to the inhibition of ERK1/2 signaling pathway  
C. Mazzei, I. Tusa, D. Papini, A. Menconi, Y. Sfragano, A. Pandiella, A. Esparis-Ogando

**B054**

The Pin1-WWP2 antagonism regulates Notch3 stability and platinum resistance in high-grade serous ovarian cancer  
M.V. Giuli, B. Natiello, R. Reali, S. Checquolo

**B055**

Targeting C1858T variant of PTPN22 using anti-CD3 Fab-decorated lipoplexes: in vitro efficacy of a novel personalized immunotherapeutic approach for Type 1 diabetes  
I. Mezzani, G. Paldino, A. Sandomenico, A. Accardo, S. Petrini, V. D'Oria, A. Oliver, G. Barisciano, R. Schiaffini, G. Morelli, A. Fierabracci

**B056**

Network-based approach identifies miR-145-3p as a central regulatory hub associated to the progression from localized to metastatic medullary thyroid carcinoma.  
A. Citarella, M. Petti, Z.M. Besharat, C. Alfano, E. Splendiani, S. Trocchianesi, S. Cassandro, M. Chiacchiarini, C. Sabato, F. Gianni, T.M. Autilio, M. Brunetti, G. Catanzaro, A. Verrienti, R. Elisei, R. Ciampi, C. Romei, M.G. Castagna, S. Cantara, V. Marotta, L. Pezzullo, L. Farina, C. Durante, A. Po, E. Ferretti

**B057**

Identification of circulating tumor cells (CTCs) in Metastatic Colorectal Cancer  
G. Favale, C. Caputo, I. Giacobbe, F.P. Caronte, G. Crimaldi, A. D'Amore, F.A. Del Bono, V. Esposito, C. Grasso, P. Iacone, G. Maglio, E. Marciano, C. Rocco, S. Savarese, G. Settembre, N. Vastano, V. Carafa, E. Martinelli, T. Troiani, F. Ciardiello, M. Caraglia, R. Benedetti, L. Altucci, A. Nebbioso

**B058**

Natural Killer cells subsets alterations in Multiple Sclerosis: highlighting the link with EBV infection and the effects of Disease Modifying Therapy (DMT).  
C. Basile, M. Rotolo, R. Capuano, M. Di Gregorio, F. Montella, M.T. Pellecchia, A.A. Puca, E. Ciaglia

**B059**

P53 reactivation: a potential immunotherapeutic strategy to enhance anti-tumor immune responses in Papillary Thyroid Cancer  
E. Pace, I. Mezzani, A. Grossi, E. Giorda, L. Cifaldi, F. Moretti, A. Fierabracci

**B060**

Selenium-Biofortified Strawberries as a Functional Food: Efficacy on Glucose Homeostasis and Liver Biomarkers in Healthy Adults  
A.S. Fiore, S. Vasto, R.V. Giglio, L. Di Rosa, C.P. Giordano, L. Sabatino, M. Ciaccio, S. Baldassano

**B061**

Depot-Specific Regulation of Adipogenic and Thermogenic Programs in Human Adipose Stem Cells by GLP1 Receptor Modulation  
A. Cannizzaro, L. Tomasello, C.P. Giordano, L. Di Rosa, A.S. Fiore, S. Baldassano, S. Vasto

**B062**

Targeting tumor Cell migration in OSCC: effects of Cold Atmospheric Plasma (CAP) on cytoskeleton and adhesion pathways  
S. Cantore, P. Della Monica, F. Colapietra, L. Lo Russo, L. Lo Muzio, A. Ballini, M. Di Domenico

**B063**

Modulation of Small Dense LDL Cholesterol by Ecklonia maxima Biofortified Vegetables: A Translational Nutritional Strategy Targeting Cardiovascular Risk Biomarkers  
C.P. Giordano, R.V. Giglio, L. Di Rosa, A.S. Fiore, L. Sabatino, S. Baldassano, M. Ciaccio, S. Vasto

**B064**

Deciphering RNA-Dependent ER $\alpha$  Chromatin and Transcriptional Regulation to Identify Novel Therapeutic Vulnerabilities in Breast Cancer  
L. Palo, D. Palumbo, V. Melone, M. Nikzaban, M. Ianniello, E. Aliberti, F. Russo, P. De Nittis, K. Georgakopoulou, G. Nassa, A. Weisz, E. Oricchio, R. Tarallo

**B065**

A composite inflammatory-renal prognostic score predicts in-hospital mortality in older adults with sepsis  
G. Matacchione, S. Caccese, C. Giordani, M. Sbriscia, S. Fantone, A. Giuliani, J. Sabbatinelli, N. Tombolesi, F. Marchegiani, R. Recchioni, L. Tamberi, L. Falsetti, G. Moroncini, M. Burattini, M. Di Rosa, F. Olivieri

**B066**

KCASH2-targeting microRNAs in colorectal cancer: from in vitro models to candidate circulating biomarkers  
C. Compagnoni, V. Zelli, M. Moretti, F. Taj Mir, T. Hyett, L. Romano, M. Clementi, A. Giuliani, F. Vistoli, F. Zazzeroni, E. De Smaele, A. Tessitore, E. Alesse

**B067**

Targeting the MMR system to Sensitize Chemoresistant Microsatellite Stable Gastric Cancer to Immunotherapy  
N. Di Menna, A. Biagioni, E. Andreucci, S. Peri, S. Martinelli, L. Antonuzzo, F. Cianchi, L. Magnelli, L. Papucci

**B068**

Neuroglobin reduces stress-induced oxidative damage and amyloid burden in a three-dimensional human neuroblastoma cell culture  
D. Caissutti, N. Candelise, C. Moliterni, A. Capozzi, A. Longo, S. Recalchi, G. Riitano, T.R. Caglar, E. Fasciolo, V. Manganelli, M. Sorice, T. Garofalo, R. Misasi

**B069**

Dissecting importin alpha isoforms in ERK5 nuclear translocation: implications for targeted therapy in melanoma  
S. Di Gregorio, N. Troia, Y. Sfragano, Z. Lombardi, I. Tusa, E. Rovida

**B070**

Blockade of PD-L1 endocytosis by uPAR antagonist peptides to improve cancer immunotherapy  
E. Frediani, C. Anceschi, S. Martinelli, N. Formica, A. Chillà, L. Maggi, A. Laurenzana, F. Margheri

**B071**

The cytoskeletal formins INF2 and mDia differentially regulate the Sonic Hedgehog pathway and medulloblastoma tumorigenesis  
M. Conenna, S. Navacci, G. Adabbo, M. Longo, M. Gladysz, F. Bufalieri, L. Lospinoso Severini, F. Bartolini, L. Di Marcotullio, P. Infante

**B072**

Pro-Angiogenic Receptor Shedding Drives an Angiostatic Switch in Chronic Hypoxic Gastrointestinal Cancers  
A. Biagioni, E. Andreucci, S. Peri, N. Di Menna, F. Cianchi, L. Magnelli, L. Papucci

**B073**

Interpretable multi-omics machine learning model for breast cancer classification and biological characterization  
V. Zelli, A. Manno, C. Compagnoni, D. Santoni, F. Zazzeroni, E. Alesse, C. Arbib, F. Rossi, A. Tessitore

**B074**

Non-canonical start codon selection of MYC drives metastasis in colorectal cancer  
R. Bordone, C. Capurso, D.M. Ivy, R. D'Amico, M. Barba, V. Licursi, L. Di Magno, S. Coni, G. Canetti

**B075**

Preclinical Evaluation of the Tissue Selectivity of Novel THR $\beta$  Agonists  
M. Serra, G. Zedda, A.M. Caddeo, M.A. Kowalik, M. Floris, A. Perra

**B076**

Targeting DDR2 enhances CD28 $\times$ MUC1 bispecific antibody immunotherapy in serous ovarian carcinoma  
M. Kunkl, S. Malatesta, F. Ottavi, I. Masi, M. Sambucci, V. Vigiano Benedetti, M.E. De Stefano, M. Leopizzi, M.T. Fiorillo, M. Rossi, F. Mura, A. Proietti, G. Borsellino, L. Battistini, V. Licursi, F. Spallotta, L. Rosanò, L. Tuosto

**B077**

Selective Antitumor Effects of a Novel Ruthenium Complex in Non-Small Cell Lung Cancer Models  
A. Bayat, N. Formica, C. Anceschi, E. Frediani, S. Martinelli, F. Margheri, A. Laurenzana, A. Guerriero, A. Chillà

**B078**

Exosomal KDM2A as a dynamic liquid biopsy biomarker in Hepatocellular Carcinoma  
L. Vergili, T. Caruso, F. Salani, F. Pratesi, M.C. Scavuzzo, S. Cesario, V. Genovesi, F. Damone, D. Cavallone, M.R. Brunetto, V. Carloni, G. Masi, G. Cavallini, L. Gragnani

**B079**

Understanding the Metabolic Plasticity in Malignant Pleural Mesothelioma for a novel therapeutic approach  
D. Conti, V. Nardi, M.P. Avati, S. Peppicelli, J. Ruzzolini, T. Kersikla, D. Martinucci, F. Bianchini

**B080**

Targeting the IL-33/ST2 Axis: Design and Biological Evaluation of Novel Small-Molecule Ligands  
D. Martinucci, E. Lopez Delgado, J. Ruzzolini, D. Conti, T. Kersikla, M.P. Avati, S. Peppicelli, A. Trabocchi, F. Bianchini

**B081**

Valorization of agri-food waste: anti-inflammatory properties of pomegranate peel-derived extracts  
T. Kersikla, J. Ruzzolini, S. Peppicelli, D. Conti, D. Martinucci, F. Bianchini, N. Mulinacci, C. Nediani

**B082**

Single-cell transcriptomic mapping reveals cellular and microenvironmental heterogeneity in triple negative breast cancer brain metastases  
M. Talia, F. Cozza, F. Silvestri, C. Meliti, A. Mondino, M. Di Dio, R. Tocci, A.M. Miglietta, M. Maggiolini, R. Lappano

**B083**

Transcriptomic profiling and functional characterization of breast cancer-associated fibroblasts following microplastic exposure  
M. Talia, A.A. Mondino, C. Meliti, L. Muglia, F. Silvestri, A. Zicarelli, M. Di Dio, R. Tocci, D. Scordamaglia, F. Cirillo, A.M. Miglietta, R. Malaguamera, M. Maggiolini, E.M. De Francesco, R. Lappano

**B084**

CEACAM5 biomarker characterization and fluorescent detection tool for image guided gastric cancer surgery  
S. Martinelli, B. Tse Sum Bui, K. Haupt, S. Peri, C. Anceschi, A. Laurenzana, L. Fortuna, A. Biagioni, F. Cianchi

**B085**

Modulation of cell death-related genes in malignant mesothelioma cells treated with the oncolytic adenovirus dl922-947  
C. Bucciero, F. Napolitano, G. Castellano, M. Bocchetti, S. Zappavigna, A.M. Malfitano, F. Pentimalli, M. Caraglia, G. Portella

**B086**

Extracellular vesicles and transcriptomic signatures as candidate biomarkers of anthracycline-induced endothelial injury: preliminary findings from the CARMA study  
A. Giuliani, M. Sbriscia, S. Fantone, L. Tamberi, C. Giordani, G. Matacchione, M.R. Rippo, J. Sabbatinelli, F. Olivieri

**B087**

BASELINE SERUM CYTOKINE SIGNATURES PREDICT CLINICAL RESPONSE TO MESENCHYMAL STROMAL CELL THERAPY IN KNEE OSTEOARTHRITIS  
A. Salerno, F. Saturno, P. Della Monica, F. Colapietra, S. Cantore, E. Cianciola, M. Di Domenico

**B088**

Investigating Radioimmunotherapy Combinations to Maximize Therapy Response and Anti-Tumor Immune Activation  
E. Andreucci, N. Di Menna, A. Biagioni, S. Peri, L. Magnelli, C. Talamonti, M. Mangoni, L. Papucci

**B089**

Deciphering Metabolic Dysfunction through Systems Biology. From Molecular Networks to Precision Medicine  
C. Russo, L. Malaguanera

**B090**

Magnesium and Empagliflozin Protect Against Cisplatin-Induced Cytotoxicity in HEK-293 Cells: preliminary evidence  
F. Colapietra, A. D'Andrea, A. Ibrar, M. Borriello, M. Di Domenico, D. Ingrosso, A. Perna, G. Capasso, M. Simeoni

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Tri-DAP NOD1 ligand-Driven Reprogramming Potentiates Trained Immunity Phenotype in Psoriasis PBMCs  
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A. Chiocchetti, G. Flamin-Go Consortium

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B. De Marino, Z. Zaroony, C. D'Ambrosio, F. De Nigris

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E. Senatore, A.G. Bianco, L. Rinaldi, A. Feliciello

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R. Pietroni, F. Barberini, O. Buccitti, A. Gaiba, V. Lucarini, C. Focaccetti, A. Mancusi, M. Benvenuto, C. Palumbo, L. Masuelli, R. Bei, L. Cifaldi

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L. Campea, G. Della Rocca, I. Magnante, C. Nau, R. Bordone, C. Boscagli, L. Di Magno, F. Bost, G. Canettieri

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MUCub limits intestinal epithelial regeneration and barrier integrity during inflammatory bowel disease

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