



SIPMeT

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

16TH-18TH SEPTEMBER 2026

NAPOLI • ITALY
Università degli Studi della
Campania Luigi Vanvitelli

V: Università
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UNDER THE AUSPICES OF





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

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Prof. Ugo Chianese

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PROGRAMME

16TH
SEP

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. F. Pio (Enna)*

Somatic focally amplified super-enhancers as novel oncogenic driver in neuroblastoma - *G. Sgueglia (Napoli)*

The Oncostatin M/OSMR β Axis Shapes the Tumor Microenvironment and Enhances Invasiveness in Intrahepatic Cholangiocarcinoma - *J. Nurchi (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



PROGRAMME

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 (Napoli), M. Conte (Napoli),
G. Nassa (Napoli)**

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 (Napoli)**

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 Lysolecithin Reprogramming and Preserves Cardiomitabolic 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 dinner



18TH
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

Introduce e modera *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



Università
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Luigi Vanvitelli

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



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, D. Carmela, N. Angela, V. Carafa, A. Lucia, C. Mariarosaria

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 Guadio, 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

MTTL16-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. Buonaio, 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'Elia, 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. Chilla, 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

P. Leone, A. Ranjbar, E. Favoino, L. Schwartz, A. Mazzocca

A041

Overcoming Colorectal Cancer Chemoresistance through Metabolic and Kinase Interventions

E. Favoino, P. Leone, S.S. Karkj, A. Mazzocca

A042

Integrative spatial analysis reveals CD147-associated tumor-microenvironment niches in posterior fossa ependymomas

D. Lucchetti, F. Toma, A. D'Amati, C. Parrillo, B. Cellini, G. Mantini, F. Colella, M. Gessi, I. Serangeli, T. Serveidei, A. Ruggiero, A. Sgambato

A043

Alternative PET tracers for the early detection of osimertinib resistance in EGFR-mutated NSCLC

S. La Monica, R. Alfieri, M. Bonelli, A. Cavazzoni, G. Digiacomio, A. Leonetti, M. Tiseo, P.G. Petronini

A044

Synergistic therapeutic potential of combined AXL and FAK inhibition in Osteosarcoma

V. Lucarini, S. Travaglini, V. Angiolini, D. Nardozi, M. Leopizzi, A. Bei, L. Del Conte, E. Leti Maggio, M. Benvenuto, C. Focacetti, C. Palumbo,

S. Fillo, F. Lista, L. Cifaldi, R. Bei, L. Masuelli

A045

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A. Nicois, B. Marfella, N. Forte, M.C. Albertini, L. Cristino, L. Palomba

A046

Targeting LAT1 Uncovers a Metabolic-Epigenetic Vulnerability and Enhances BNCT Potential in Glioblastoma

A. Fornaro, C. Papulino, M. Crepaldi, U. Chianese, S. Pacifico, S. Piccolella, N. Del Gaudio, G. Favale, L. Capasso, A. Nebbioso, S. Bortolussi,

S. Cappabianca, G. Paolisso, L. Altucci, V. Carafa

A047

"Targeting Hypoxia Pathways in Breast Cancer Cell Lines: The Effects of Novel HIF Ligands"

M.B. Lista, M. Tafani, M. Aventaggiato, F. Barreca, G. Francisci, E. Frustaci, A. Coluccia, R. Silvestri

A048

Single-cell RNA sequencing reveals transcriptional heterogeneity in rat hepatic cell lines: towards the identification of drug resistance-associated subpopulations in HCC

G. Zedda, M. Serra, S. Mourou, A.M. Caddeo, M.A. Kowalik, M. Floris, A. Perra

A049

"Sirt3 And Sirt5 Modulation In Metabolic Reprogramming Of HCC"

G. Francisci, F. Barreca, M.B. Lista, E. Frustaci, S. Valente, A. Mai, M. Aventaggiato, M. Tafani

A050

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R. Della Monica, M. Buonaiuto, M. Cuomo, F. Trio, M. Sabbarese, D. Costabile, L. Oliva, M. Russo, R. Visconti, L. Chiariotti

A051

A tumor-agnostic network medicine framework reveals topological rewiring of systemic T-cell immunity in long-surviving cancer patients

D. Capozzi, F. Valentino, L. Tuosto, A. Asquino, A. Pace, A. Cirillo, A. Gelibter, A. Botticelli, I.G. Zizzari, C. Napoletano, P. Paci, A. Rugghetti

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HMGAI links insulin resistance to neurodegeneration: insights from omics and translational models

R. Scalise, M. Mirabelli, F.S. Brunetti, B. Zaccaria, E. Chieffari, D.P. Foti, A. Brunetti

A053

Microbiota regulation of fungal infection and immunity via tryptophan

M. Pariano, E. Nunzi, C. Fabi, S. Belucchi, M. Puccetti, M. Ricci, S. Giovagnoli, L. Romani

A054

Modeling enteric hyperoxaluria in a microphysiological system and testing of microbial metabolites as potential protective agents

C. Fabi, C. Stincardini, S. Grottelli, L. Gatticchi, M. Pariano, S. Balucchi, A. Di Battista, I. Bellezza, B. Cellini, L. Romani

A055

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S. Balucchi, M. Pariano, C. Fabi, A. Di Battista, C. Costantini, S. Brancorsini, P. Tognini, C.M. Greco, L. Romani, M.M. Bellet

A056

The glucocorticoid receptor as a context-dependent regulator of metabolic reprogramming and fate plasticity in ovarian cancer

M. De Girolamo, E. Ibello, T. Improda, C. Dell'Aversana, C. D'Aniello, D. De Cesare, L. Altucci, L. Cobellis, E.J. Patriarca, G. Minchiotti, G. Cobellis

A057

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G. Ruggiero, Z. Spinello, N. Pediconi, F. Conte, P. Palumbo, V. Mattei, E. Ferretti, M. Ronci, G. Catanzaro

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R. Maniscalco, N. Pappagallo, R. Verucchi, L. Aversa, E. Legnaro, M. Piana, E. Tomaszewska, K. Ranoszek-Soliwoda, G. Celichowski, J. Grobelny, M. Siatkowska, M. Kaminska, A. Jastrzebska, P. Komorowski, B. Walkowiak, M.C. Albertini, S. Benedetti

A059

MC2494 suppresses a constitutive sub-lytic NLRP3 inflammasome state in acute myeloid leukemia

G. Favale, G. Verrilli, L. Altucci, V. Carafa

A060

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S. Crupi, G. Sgueglia, U. Chianese, G. Paolisso, L. Altucci, C. Dell'Aversana

A061

Integrated genomic and transcriptomic profiling reveals therapeutic vulnerabilities in Metaplastic Breast Carcinoma

E. Belcastro, A. Pastore, S. Crucitta, G.N. Fanelli, P. Aretini, A.G. Naccarato, C. Scatena

A062

Additive effect of *Ruta graveolens* bioactive Phytoconstituents and cisplatin through PKC/MEK/ERK pathway in glioblastoma.

A. Feola, G. Romano, V. Morgera, A. Pezone, M.T. Gentile, A. Porcellini

A063

Exploring ASH1L-BRPF1 Chromatin Co-Dependencies to Impair ER α Signaling in Endocrine Therapy Resistant Breast Cancer

A. Salvati, J. Lamberti, D. Memoli, A. Casaburi, M. Ascoli, F. Papaccio, M. Pierri, S. Terracciano, G. Bifulco, G. Lauro, F. Rizzo, A. Weisz, R. Tarallo, G. Nassa

A064

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G. Saggese, U. Chianese, A. Ul Haq, E.M. Sommella, P. Campiglia, M. Cortese, L. Altucci, R. Benedetti

A065

Lamotrigine as a Potential Therapeutic Strategy for Breast Cancer: Involvement of the FoxO3a/TXNIP axis.

M. Fava, S. Spadafora, M. Strumbo, A. Galati, I. Casaburi, R. Sirianni, M. Lanzino, D. Sisci, I. Barone, C. Morelli

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Role of FoxO3a and Androgen Receptor (AR) in Triple-Negative Breast Cancer

M. Strumbo, M. Fava, S. Spadafora, A. Galati, M. Lanzino, I. Casaburi, R. Sirianni, C. Morelli, D. Sisci

A067

ICOSL Reverse Signaling Drives Immune Suppression and Hepatocarcinogenesis in MASH-HCC

A. Provera, A.N. Sheferaw, E. Kivumbi, C. Vecchio, I. Stoppa, D. Pantham, F. Christaki, U. Dianzani, S. Sutti

A068

Contribution of mitochondrial DNA to the onset and maintenance of inflammation in patients with systemic sclerosis: focus on cardiovascular complications

G. Sinigaglia, M. Orlandi, A. Spinella, I. Martusciello, V. Selleri, G. Zanini, M. Giulia, M. Nasi, D. Giuggioli, M. Pinti

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M. Di Noia, S. De Siervi, G. Gravano, M. De Vita, I. Maffini, M. Trucchi, L.G. Di Pasqua, A. Ferrigno, M. Savio, C. Turato

A070

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S. Acampora, F. Amoroso, A. De Corso, C. Dell'Aversana, W.L. Megchelenbrink, E. Ibello, R. Di Martino, C. D'Aniello, L. Altucci, G. Cobellis, E.J. Patriarca, G. Minchiotti

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The Memory Test: Personalizing SARS-CoV-2 Booster Vaccinations

M. Garziano, M. Russo, C. Vanetti, S. Pezzana, M. Broggiato, I. De Luca, A. Fratta, D. Trabatonj, M. Clerici, M. Biasin

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A. Ciafarone, F. Lombardi, V. Cordone, S. Falone, S. Artone, B. Cinque, M.G. Cifone, P. Palumbo

A073

Exploring the Contribution of *Finegoldia magna* in Obesity-Related Colorectal Carcinogenesis.

M. Potenza, G. Sala, M. La Vecchia, M. Sculco, S. Cagliano, R. Monzani, A. Provera, M. Calvigioni, E. Ghelardi, S. Sutti, M. Corazzari, A. Aspesi, I. Dianzani

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ROLE OF 5-ALA-PDT IN MODULATING PROLIFERATION, APOPTOSIS AND ROS PRODUCTION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA

M. Masci, A. Zenoniani, F. Del Pizzo, A. Piattelli, F.B. Aiello, A. Croce, M.C. Curia

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G. Lai, G. Bigossi, N. Tombolesi, A. Amoroso, M.E. Giuliani, S. Marcozzi, F. Orlando, A.M. Eleuteri, A. Rombolà, O. Valente, A. Frigeri, M. Malavolta

A076

Intracellular ligand-independent TrkA activation protects SH-SY5Y neuroblastoma cells against copper cytotoxicity

M. Sbaffone, I. Martelli, L.A. Cappabianca, A.R. Farina, A.R. Mackay

A077

Alternative NF-YA Splicing Regulates tumorigenicity, sensitivity to doxorubicin and phenotype conversion in non-MYC amplified SH-SY5Y neuroblastoma cells

I. Martelli, M. Sbaffone, L.A.M. Cappabianca, A.R. Farina, A.R. Mackay

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Hyperglycemia reduces Tyrosine Hydroxylase expression and increases G-quadruplexes formation in SH-SY5Y cells

A. Croce, F. Zatterale, C. Bucciero, M. Longo, D. Conza, A. Nicolò, L. Ulianich, F. Beguinot, A.M. Malfitano, F. Fiory

A079

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G. Serrelli, M.P. Melis, E. Atzeni, S. Barca, L. Chiacchio, A. Cau, M. Deiana

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M. Shakarami, C. Turato, S. De Siervi, H. De Jonge, L. Iamele, M. Maggi, G. Pessino, S. Quarta, P. Pontisso, M. Ruvoletto, F. Magnani, C. Scotti

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Mebendazole and Nitroxoline in Combination Show Efficacy in Cell and Animal Models of Pancreatic Cancer

R. Florio*, M. Di Donato*, S. Veschi, A. Piro, A. Lamolinara, F. D'Ascanio, I. Silvani, F.D. Del Pizzo, P. Lanuti, G. Castoria, A. Cama, L. De Lellis

A082

ZC3H13 shapes m6A topology to govern MYC and MAPK3 expression in leukemia

S. Amin, G. Bove, M. Babaei, T. Uddin, M. Crepaldi, N. Simonelli, M. Mohammadi, M. Gull, S. Orsillo, V. Carafa, H.G. Stunnenberg, A. Nebbioso, L. Altucci, N. Del Gaudio

A083

CATP3ak: a three-tool integrated pipeline for accurate peak calling in ATAC- and ChIP-seq data

D. Palumbo, A. Grimaldi, F. Di Casola, V. Melone, L. Palo, E. Orlando, C. Ferravante, R. Tarallo

A084

Doski-nf: an integrated computational pipeline for consensus variant calling and comprehensive cancer genomic profiling

D. Alfieri, L. Perticone, G. Guglielmelli, L. Ottini, V. Silvestri

A085

THE ONCOGENIC REPROGRAMMING OF HUMAN BASAL KERATINOCYTE: INVOLVEMENT OF FGFR2C/TRPA1 CROSSTALK WITHIN LIPID RAFT

V. Mancini, G. Cardinali, M. Ottaviani, S. Briganti, V. Manganelli, M. Sorice, D. Ranieri, T. Garofalo, S. Raffa, F. Belleudi

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TLR4: a potential therapeutic target for the prevention of hemolytic uremic syndrome in children

E. Varrone, V. Pepe, G. Storci, M. Bonafè, B. Brunetti, M. Brigotti

A087

Target Therapy in Multiple Sclerosis: Longitudinal Analysis of Lymphocytes Populations

M. Di Caro, S. Iacono, G. Sorbello, P. Ragonese, N. Caccamo, G. Salemi, M. Sciortino, F. Brucato, G. Guercio, M.G. Magnasco, G. Affronte, F. Dieli, S. Meraviglia

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STABLE ¹³C AND ¹⁵N ABUNDANCE AND FRACTIONATION IN TUMOR CORE, INFILTRATING FRONT, AND HEALTHY SURROUNDING TISSUES OF GLIOBLASTOMA

M.T. Gentile, S. Altieri, C. Pagano, M.R. Di Cicco, V. Meglio, M. Grieco, A. De Bellis, C. Lubritto

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I. Serangeli, S. Bortolozzi, B. Cellini, F. Toma, R. Colonna, A. D'Amati, N. Cappoli, F. Colella, M. Gessi, A. Sgambato, D. Lucchetti

A090

Circadian immune modulation during infections driven by tryptophan partitioning

C. Stincardini, M. Pariano, C. Fabi, S. Balucchi, A. Di Battista, C. Costantini, S. Brancorsini, L. Romani, M.M. Bellet

A091

A Ras-family member drives adaptive ERK1/2 activation following ERK5 inhibition in BRAFV600E-mutated melanoma

I. Tusa, C. Mazzei, D. Papini, A. Menconi, Y. Sfragano, A. Pandiella, A. Esparis-Ogando, E. Rovida

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From 2D to 3D in vitro models of glaucoma: insights into molecular mechanisms involved in Müller cells response

M. Di Vito Nolfi, D. Vecchiotti, C. Compagnoni, I. Flati, F. Dall'Aglio, F. Veglianti, D. Verzella, D. Capece, A. Tessitore, E. Alesse, F. Zazzeroni

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The ERK/EGFR/Filamin A Signaling Nexus: A New Driver of Castration-Resistant Prostate Cancer

D. Simão De Souza, C. Segreti Porto, C. Meloni Vicente, C. Lauretta, C. Sorrentino, S. Emilia, V. Tutino, P. Giovannelli, A. Migliaccio, G. Castoria, M. Di Donato

A094

Investigating the role of Carboxylesterase 1 (CEST) in SPPI+ tumor-associated macrophages (TAMs)

F. Di Giovanni, I. Flati, H.N. Khan, D. Verzella, D. D'Andrea, F. Dall'Aglio, F. Veglianti, M. Di Vito Nolfi, D. Di Felice, D. Vecchiotti, E. Alesse, F. Zazzeroni, D. Capece

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Peripheral Immune Signatures Associated with Progression Independent of Relapse Activity in Multiple Sclerosis

M. Di Caro, G. Giannetto, E. Giangrasso, P. Ragonese, M.P. La Manna, S. Meraviglia, G. Salemi, P. Aridon, G. Schirò, M. Sciortino, F. Brucato, N. Caccamo, F. Dieli

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Belinostat enhances Crizotinib efficacy in advanced ALK+ ALCL Spheroid and CAM Models

C. Pignataro, Y.C. Veneruso, N. Profitós-Pelejà, M. Fernández, G. Petrillo, M. Mascolo, S. Verde, A. Fraticelli, K. Tkalcic, R. Froncillo, V. Pintus, A. Affinito, C. Quintavalle, G. Inghirami, G. Roue, G. Condorelli, D. Fiore

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The Mediterranean Diet as a Healthy Aging Strategy: Results from the European NU-AGE Project on Body Composition

L. Jurado-Medina, R. Ostan, A. Bazzocchi, A. Berendsen, J. Kaluza, E. Sicinska, A. Jennings, N. Meunier, C. Malpuech-Brugere, S. Frairwater-Tait, C. De Groot, G. Battista, C. Franceschi, A. Santoro

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BRCA-associated and HRD-like signals define distinct tumor microenvironment states in male breast cancer

G. Guglielmelli, V. Valentini, A. Bucalo, V. Porzio, A. Platania, D. Alfieri, V. Silvestri, L. Ottini

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Ricin-induced intestinal toxicity: evaluation of pathogenetic mechanisms on barrier integrity, redox balance, and cytokine expressions in human intestinal cell lines

F. Biscotti, M. Bortolotti, M. Laffi, C. Perrone, A. Bolognesi, L. Polito

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R. Zarcone, G. Accardi, A. Aiello, A. Calabrò, C. Puleo, G. Bertolazzi, C. Caruso, G. Candore

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V. Porzio, V. Valentini, A. Bucalo, A. Platania, G. Guglielmelli, I. Zanna, G. Masala, V. Silvestri, L. Ottini

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Dose-Dependent Response of Human PBMC Viability by Oleuropein Treatment: Preliminary Data for Senomodulatory Applications

C. Puleo, G. Accardi, A. Aiello, A. Calabrò, R. Zarcone, C. Caruso, G. Candore

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L. Zinna, M.F. Di Tolla, F. D'Alterio, A. Parascandolo, F. Napolitano, N. Montuori, G. Marino, A. Rainone, A. Micco, D. Minicozzi, A. Aliberti, A. Cusano, M. Principe, P. Formisano, V. D' Esposito

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dMLPA-Based Copy Number Variation Analysis in Male Breast Cancer: Results from the Italian multicenter study

A. Platania, A. Bucalo, V. Valentini, V. Porzio, B. Bonanni, D. Calistri, I. Carnevali, L. Cortesi, G. Giannini, V. Gismondi, S. Manoukian, L. Manzella, M. Montagna, P. Radice, A. Russo, D. Turchetti, A. Viel, I. Zanna, G. Masala, V. Silvestri, L. Ottini

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A rapid, sensitive, and accessible method for ricin detection in Ricinus communis oil extraction byproducts to prevent lethal intoxication

F. Biscotti, M. Bortolotti, M. Laffi, L. Polito, A. Bolognesi

A107

Extracellular signal-regulated kinase 5 (ERK5) inhibition sensitizes to EGFR-targeted therapies by modulating its expression and nuclear localization in hepatocellular carcinoma cells

A. Menconi, I. Tusa, F. Marra, E. Rovida

A108

The multi-kinase inhibitor JNJ-7706621 emerges as a novel ERK5 inhibitor

Y. Sfragano, S. Matilla-Almazán, G.I. Truglio, I. Tusa, A. Menconi, C. Mazzei, F. Manetti, E. Petricci, A. Pandiella, A. Esparís-Ogando, E. Rovida

A109

Thyroid cancer cell-derived ectosomes induce macrophage differentiation and remodel the tumor microenvironment.

F. Vaio, M. Aventaggiato, D. Caissutti, E. Lerat, R. Misasi, M. Tafani, E. Anastasi, E. Ferretti, S. Mardente

A110

Cuprizone exerts microglia-mediated neurotoxic effects and modulates autophagy through G-quadruplexes in neuronal cells.
C. Bucciero, A. Croce, D. Conza, G. Castellano, G. Portella, U. Luca, F. Fiory, A.M. Malfitano

A111

Sex-dependent modulation of parasite control and inflammatory mediators in *Leishmania infantum*-infected macrophages
F. Perego, G. Mazza, S. Ghezzi, A. Murugan, E. Vicenzi, S. Parapini, S. D'Alessandro, G. Poli, N. Basilico

A112

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A. Adinolfi, A. Muro, G. Sgueglia, I. Lettieri, E. D'Agostino, N. Simonelli, A. Beato, M. Babaei, M. Mohammadi, U. Chianese, M. Wouter Leonard, N. Del Gaudio, V. Carafa, M. Conte, A. Nebbioso, C. Dell'Aversana, L. Altucci

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Unveiling the role of the m6A modification in cellular senescence and its implication in cancer
S. Orsillo, M. Crepaldi, N. Simonelli, G. Bove, M. Gull, N. Del Gaudio, L. Altucci

A114

Combined ALK and HDAC Targeting Reduces ALK+ ALCL Survival and Migration
Y.C. Veneruso, C. Pignataro, G. Petrillo, M. Mascolo, S. Verde, A. Fraticelli, K. Tkalec, R. Froncillo, V. Pintus, A. Affinito, C. Quintavalle, G. Inghirami, G. Condorelli, D. Fiore

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The Role of EphA2-Positive Extracellular Vesicles in Glioblastoma Vascularization: Inhibitory Effects of the A40s Aptamer
S. Verde, A. Fraticelli, G. Petrillo, M. Mascolo, C. Pignataro, K. Tkalec, Y.C. Veneruso, D. Fiore, C. Quintavalle, L. Ricci Vitiani, A. Affinito, G. Condorelli

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Nanoplastics Reshape Intercellular Communication in the Bone Marrow Niche Through EV and TNT-Mediated Pathways
L. Casati, A. Villa, V. Citro, N. Platonova, D. Giannandrea, E. Brunialti, P. Ciana, M. Chiu, R. Chiaramonte, M. Parolini

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Functional polarization of tumor-associated CD⁺ T cells in MMR-deficient colorectal cancer
C. Avellone, M. Di Simone, A. Romano, A.M. Corsale, C. Dieli, S. Marchiava, C. Botta, F. Dieli, S. Meraviglia

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A. Murugan, A.L.L.d.S. Miranda, M. Carnovali, R. Colognato, M. Mariotti, S. D'Alessandro, S. Parapini, N. Basilico

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F. Veglianti, D. Vecchiotti, M. Di Vito Nolfi, I. Flati, F. Dall'Aglio, F. Di Giovanni, D. Di Felice, A. Costanzi, D. Capece, D. Verzella, E. Alesse, F. Zazzeroni

A120

Multi-omic analysis links BAZ1B activity to PI3K/mTOR signaling in ER α -positive breast cancer

A. Casaburi, D. Memoli, J. Lamberti, M. Ascoli, I. De Iasi, R. Tarallo, A. Salvati, G. Nassa

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Patient-derived liver organoids as a platform for disease modelling

S. De Servi, M. Di Noia, S. Mantovani, B. Oliviero, M.U. Mondelli, P. Pontisso, C. Turato

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CD⁴ T cell remodeling and immune checkpoint signatures during PD-1 blockade in non-small cell lung cancer

G.D. Badami, A. Corsale, M. Di Simone, C. Dieli, V. Gristina, A. Russo, M. Fallo, M.P. La Manna, S. Meraviglia, N. Caccamo, F. Dieli

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Anti-MDA5 autoantibodies drive pro-fibrotic responses in human lung fibroblasts

S. Calandra, A. Previtali, M. Maggi, L. Iamele, C. Castellini, L. Navarini, Q. Fu, J. Qian, R. Giacomelli, P. Ruscitti, G. Zanframundo, L. Cavagna, V. Codullo, C. Scotti

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CBX2 as a Potential Target for Therapeutic Intervention in CRC

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

B003

C-Type Lectin Receptors CLEC4A and CLEC12A on Peripheral Myeloid Cells Are Inversely Associated with Cancer Patients Prognosis

A. Pace, A. Asquino, L. Tuosto, F. Valentino, D. Capozzi, M. Nuti, C. Napoletano, I.G. Zizzari, A. Rughetti

B004

Ferritin nanoparticles as strategic delivery tools for human organotypic brain slices: a proof-of-concept study

Z. Spinello, G. Villa, D. Nardozi, N. Pediconi, M. Brunetti, C. Cappelletti, A. Citarella, A. Incocciati, F. Gianno, C. Palazzo, M.T. Viscomi, Z.M. Besharat, A. Po, M. Antonelli, A. Bonamore, A. Macone, L. Masuelli, A. Boffi, V.M. Ravi, E. Ferretti, H.H. Dieter, G. Catanzaro

B005

Immune checkpoint expression in CD⁴ T cells reflects structured regulatory circuits rather than a linear exhaustion trajectory

A.M. Corsale, M. Di Simone, J.P. Cerapio, C. Avellone, C. Dieli, S. Marchiafava, F. Dieli, S. Meraviglia

B006

The mitochondrial peptide Humanin as a protective biomarker of endothelial function in rheumatoid arthritis

D. Coradduzza

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

B010

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. Lettierio, 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 scD_B-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- κ 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 IRF2BP1 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. Tkaličec, 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 Maggio, 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 α 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 α 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® Agonists

M. Serra, G. Zedda, A.M. Caddeo, M.A. Kowalik, M. Floris, A. Perra

B076

Targeting DDR2 enhances CD28×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. Gagnani

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. Malaguamera

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

B091

Tri-DAP NOD1 ligand-Driven Reprogramming Potentiates Trained Immunity Phenotype in Psoriasis PBMCs

S. Penna, A. Nigro, A. Marcuzzi, L. Bufano, S. Lembo, A. Balato, A. Puzziello, E. Barbi, P. Secchiero, R. Martinelli, S. Pisanti

B092

SKIN CELL VOLATILOME PROFILING UNDER INFLAMMATORY CONDITIONS: BRIDGING IN VITRO MODELS AND CLINICAL BIOMARKERS

A. Marcuzzi, S. Pisanti, S. Penna, S. Lembo, E. Rimondi, E. Melloni, F.A. Franchina, R. Di Stefano, M. De Poli, E. Barbi, A. Balato, P. Secchiero

B093

MODULATION OF WNT SIGNALING IN THE CROSSTALK BETWEEN DORMANT COLORECTAL CANCER CELLS AND HEPATIC STROMAL CELLS

I. Aquaro, S. Pagotto, A. Febbo, P. Lanuti, F. Selvaggi, R. Cotellese, M. Martini, T. Catalano, G.M. Aceto

B094

Dissecting the epigenomic and transcriptomic landscapes of pediatric Acute Myeloid Leukemia using multi-modal single-cell sequencing

M. Mohammadi, A.H. Torkamaan Gholami, C. Grasso, P. Brazda, N. Del Gaudio, L. Altucci, H.G. Stunnenberg

B095

A Novel Role for NBS1 in the Regulation of Nuclear F-Actin dynamics

P. Mastrosimini, A. Balzerano, M. Augusto, D. Battaglini, G. Calconi, F. Polonara, L. Gerardi, M. Petroni, G. Giannini

B096

Preadipocytes as a Novel Component of the Tumor Microenvironment Reinforcing Y537S Mutant Breast Cancer Malignancy

E. Tasan, R. Malivindi, D.G. Naimo, A.E. Leonetti, G. Gu, C. Giordano, L. Mauro, D. Bonofiglio, I. Barone, S.A.W. Fuqua, S. Catalano, S. Ando'

B097

A four-circulating miRNA signature reveals molecular mechanisms underlying fibrosis progression and lung adenocarcinoma development in idiopathic pulmonary fibrosis patients

G. Bagni, M. Martinelli, V. Buzzi, A. Belli, E. Rosi, A. Breschi, G. Pompili, L. Gori, M. Amendola, A. Sorano, F. Lavorini, A. Arcangeli, E. Lastraioli

B098

Analysis of T cell immune response in subjects with latent Mycobacterium tuberculosis infection, suffering from chronic inflammatory diseases

M. Lo Pizzo, M.P. La Manna, G. Guggino, D. Badami, M. Fallo, D. Francesco, N. Caccamo

B099

KDM3B inhibition remodels ER α -associated chromatin and transcriptional programs in ER-positive breast cancer

J. Lamberti, D. Memoli, A. Casaburi, M. Ascoli, F. Papaccio, F. Rizzo, A. Weisz, R. Tarallo, A. Salvati, G. Nassa

B100

Identification of a Novel SCN5A Complex Allele in a Family with Brugada Syndrome

V. Gigantino, R. Autuori, C. Ferravante, Y. D'Agostino, A. Sacco, E. D'Acunto, E. Orlando, F. Russo, C. Veneri, R. Tarallo, G. Nassa

B101

From Hypertension to Cognitive impairment: Sortilin as a novel biomarker

A.C. Abate, P. Di Pietro, V. Prete, C. Iside, F. Picone, M. De Lucia, A. Giulio, C. Vecchione, A. Carrizzo

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Nuclear Tau Modulates DNA Damage Response in Aggressive Prostate Cancer via β -Catenin/PARP1

L. Clementi, E. Cornacchia, V. Zelli, M. Di Vito Nolfi, M. Di Padova, A. Angelucci

B103

Hepatocyte depletion of ERK5 impairs the response to lipotoxic oxidative stress resulting in defective insulin receptor signaling

A. Menconi, G. Lori, G. Di Maira, I. Tusa, N. Navari, M.L. Taddei, S. Petta, R. Pipitone, C. Campani, S. Madiati, C. Raggi, C. Tournier, J.M. Lizcano, F. Marra, E. Rovida

B104

Multimodal in vivo imaging identifies specific pathophysiological characteristics of the Tumor Microenvironment in a mouse model of Pancreatic Cancer.

T. Lottini, A. Gianfaldoni, M. Martinelli, E. Boccolucci, G. Boso, J. Iorio, F.N. D'Alessandro, D. Fuchs, P. Kesa, J. Jose, A. Arcangeli

B105

Targeting the inflammatory microenvironment in PDAC: how tumor-stroma crosstalk and VEGF inhibition fuel compensatory survival pathways and chemoresistance

M. Sindaco, M.C. Di Marcantonio, T. Grottola, L. Savino, P. Di Sebastiano, R. Muraro, G. Mincione

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M-CSF role in endothelial-monocyte crosstalk in cellular senescence and inflamm-ageing

L. Tamberi, S. Di Valerio, A. Giuliani, C. Giordani, G. Matacchione, M. Sbriscia, F. Olivieri, M.R. Rippo

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From an inconclusive targeted genetic testing to a molecular diagnosis: The added value of Whole Exome Sequencing in neonatal epileptic encephalopathy.

Y. D'Agostino, C. Ferravante, V. Gigantino, T. Rocco, F. Russo, V. Simonis, C. Veneri, E. Orlando, G. Nassa, R. Tarallo

B108

Anti-fibroblast antibodies from IgG4-RD patients modulate fibroblast function in vitro

F. Pisani, L. Jagemann, F. Greco, C. Croia, E. Pontarini, E. Ferrigno, L.A. McDonnell, V. Pucino, I. Puxeddu, M. Bombardieri, P. Migliorini, E. Corsiero, F. Pratesi

B109

A zinc finger-NFATc3-MYC axis links gut microbiota with intestinal tumorigenesis

S. Coni, R. Bordone, M. Barba, R. D'Amico, D. Ivy, G. Radocchia, V. Licursi, C. D'Acquino, S. Schippa, G. Canettieri

B110

Prognostic and Predictive Value of Nuclear H0-1 in HER2+/HR+ Breast Cancer Patients Treated with NACT

M. Brancato, E. Depetrini, S. Meloni, T. Catzeddu, M. Benasso, S. Giraudi, M. Sartini, M. Nitti, V. Errigo, A.L. Furfaro

B111

Clinical Impact of DPYD and UGT1A1 Genotyping in a cohort of cancer patients from Sicily

S.R. Vitale, M. Drago, F. Martorana, L. Gozzo, R. Mongiovì, C. Bonanno, L. Gullotti, V. Ricco, C. Conti, M. Massimo, C. Tomarchio, H. Soto Parra, G. Novello, S. Calanna, V. Moschella, A. Rizzo, F. Drago, P. Vigneri, G. Magro, S. Stella, L. Manzella

B112

Design, synthesis, and biological evaluation of novel vanillin-based triazole derivatives with anticancer activities

M.P. Avati, D. Martinucci, E.L. Delgado, J. Ruzzolini, D. Conti, T. Kersikla, S. Peppicelli, S. Zekri, M. Adardour, I. Hdoufane, D. Cherqaoui, F. Bianchini

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SYNBIOTIC COMBINATION OF BACILLUS MEGATERIUM DSM 32963 AND N-3 PUFA SALT COUNTERACTS INFLAMMATION IN COLONIC TISSUE AND DRIVES SYSTEMIC IMMUNOMODULATION IN VIVO IN ULCERATIVE COLITIS PATIENTS

F. Picone, C. Iside, V. Prete, A.C. Abate, B. Speckmann, C. Ciacci, C. Vecchione, A. Carrizzo

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POLYSTYRENE MICROPLASTIC PARTICLES ENGAGE IGF1R SIGNALING IN BREAST CANCER

F. Cirillo, D. Scordamaglia, V. Sergi, F. Giani, A. Torrisi, E.M. De Francesco

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Dual Targeting of AR/FLNA and CXCR4 Signaling Restrains Tumor Growth and Microenvironment Remodeling in Triple-Negative Breast Cancer

C. D'Alterio, M. Di Donato, E. Sabbatino, V. Tutino, S. Di Maro, A. Migliaccio, S. Scala, G. Castoria, P. Giovannelli

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Development of a targeted drug-nanocarrier for the treatment of pancreatic cancer: validation through a novel 3D microfluidic "tumour-on-chip" platform.

J. Iorio, C. Duranti, T. Lottini, M. Laschi, G. Boso, V. Devescovi, K. Fan, J. Roosz, E. Lastraioli, P. Loskill, A. Markus, L. Bencini, K. Feldmann, P. Van Der Veken, A. Frauke, A. Arcangeli

B117

GLP-1R decline in breast cancer progression is regulated by DNA methylation

V. Vigiano Benedetti, A. Battaglia, S. Brundu, N. Bertalmio, L. Bargiacchi, C. Cuzzocrea, A. Petretto, L. Perfetto, E. Giraudo, G. Moreno-Bueno, G.L. Rampioni Vinciguerra, C. Cencioni, F. Spallotta

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Amphiphilic and ganglioside GM1-binding properties of SARS-CoV-2 Spike glycoprotein variants dissected by charge-shift electrophoresis

A. Arcaro, A. Lepore, M. Graf, P.R.J. Ames, S. Formisano, F. Gentile

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EVOLUTION OF PARASITOLOGICAL DIAGNOSTICS: AN OPTIMIZED PROTOCOL FOR CLASSICAL COPROSCOPY

M. Kuznetsova, K.M. Krawczyk, K. Kuznetsov, I. Kuznetsova

B120

Characterization of 3D Primary Thyroid Cell Cultures Derived from Human Normal and Tumor Tissues

F. Gianì, F. Cirillo, D. Scordamaglia, G. Angelico, E.M. De Francesco

B121

Lost in transport: genetic variants of the carrier SLC22A4/OCTN1 shape intratumor microbiota in colorectal cancer

S. Chouaib, S. Porreca, V. Fertitta, A. Carcagn, G. Toietta, G. Canettieri, C. Nicoletti, I. Palucci, M. Mastouri, G. Delogu, G. Pani

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The role of mitochondrial calcium signalling in skeletal muscle pathophysiology

I. Piazza, O. Kartal, A. De Mario, G. Gherardi, R. Rizzuto, C. Mammucari

B123

Unresolved inflammation marks chemoresistance in malignant pleural mesothelioma

V. Gatti, A. Napoli, F. Branda, V. Ceci, T. Mazza, V. Chiurciu, M.F. Vito, M. Cioce

OP001

EpiMethEx 2.0 tool for the integrated analysis of differentially methylated regions in cancer

A. Lavoro, G. Gattuso, G. Spoto, F. Longo, A.C.V. Vitale, C. Carluzzo, L. Falzone, M. Libra, S. Candido

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DNA methylation heterogeneity re-emerges during clonal expansion of glioblastoma cells

M. Cuomo, D. Costabile, M. Russo, M. Buonaiuto, R. Della Monica, L. Oliva, L. Chiariotti

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Extracellular Vesicles as Biomarkers in Breast Cancer: Impact of Tumor Modeling Approaches In Vitro
G. Poppa, G. Di Fazio, S. D'Ascenzo, I. Giusti, V. Dolo

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S. Mas, M. Cristiano, E. Ibello, A. Avallone, C. Frascogna, B. Sainz Jr, E. Lonardo, L. Altucci, G. Cobellis, E.J. Patriarca, G. Minchiotti, P. Netti, V. Panzetta, C. D'Aniello

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S. Calcagno, A. Melechi, E. Angeloni, S. Balzan, A. Canovai, G. Nicolini, C. Posarelli, M. Rizzo, R. Amato, M. Ramazzotti, L. Casbarra, G. Casini, F. Forini, M. Lulli

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Blood-based neurological and inflammatory biomarkers predict short- and long-term mortality in hospitalized older adults: findings from the BADGER study
S. Fantone, G. Matacchione, M. Sbriscia, C. Giordani, M. Di Rosa, A. Giuliani, J. Sabbatinelli, F. Marchegiani, A.R. Bonfigli, L. Biscetti, S. Caccese, A. Cherubini, F. Spannella, D. Montini, C. Giuli, A. Bruno, B. Bassani, D. Vergara, P. La Spina, F. Olivieri

OP007

Cuprizone exerts microglia-mediated neurotoxic effects and modulates autophagy through G-quadruplexes in neuronal cells.
C. Bucciero, A. Croce, D. Conza, G. Castellano, G. Portella, L. Ulianich, F. Fiory, A.M. Malfitano

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Circulating Sestrin 2 levels increase with age and are associated with functional, biochemical and inflammatory decline and higher mortality in an Italian population
L.S. Jurado-Medina, L. Carrera-Marcolin, M. Conte, S. Salvio, C. Franceschi, D. Monti, M. Capri, A. Santoro

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Simvastatin Protects Human Cardiomyocytes against Doxorubicin-Induced Toxicity by Modulating Cell Cycle Proteins and Apoptotic Pathways
B. Pala, M. Sindaco, R. Vitale, M. Mazzone, M.C. Di Marcantonio, S. Marzocco, R. Muraro, A. Popolo, G. Mincione

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Epigenetic Stratification in EGFR and KRAS NSCLC Patients: Role of Aberrant Methylation of CD274/PD-L1 gene
F. Delli Muti, F.P. Fabrizio, T. Mazza, A. Sparaneo, A. Centonza, M.D. Delcuratolo, F. Mangiacotti, F. Centra, D. Trombetta, M. Piazzolla, D. Sampietro, C.S. Bressi, F.P. Guerra, C.M. Di Micco, P. Parente, L.A. Muscarella

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Somatic focally amplified super-enhancers as novel oncogenic driver in neuroblastoma
G. Sgueglia, V. Aievola, G. D'Alterio, G. Pirozzi, T. Maiorino, M. Fisher, F. Westermann, L. Altucci, A. Iolascon, M. Capasso, C. Dell'Aversana

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The Oncostatin M/OSMR[®] Axis Shapes the Tumor Microenvironment and Enhances Invasiveness in Intrahepatic Cholangiocarcinoma
J. Nurcisi, N. Porro, S. De Siervi, M. Cadamuro, C. Turato, S. Mantovani, B. Oliviero, M. Mondelli, A. Gambella, L. Fabris, J. Gasparello, M. Fassan, M. Parola, M. Pastore, G. Mattei, A. Magi, K. Rombouts, F. Marra, A. Gentilini, S. Cannito

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Metabolic dominance of glycolysis over lipid metabolism shapes osteosarcoma heterogeneity and drug response
U. Chianese, C. Papulino, G. Saggese, E.M. Sommella, P. Campiglia, F. Rossi, L. Altucci, R. Benedetti

OP014

AMBRA1 regulates Sonic Hedgehog signaling during cerebellar development and promotes SHH-medulloblastoma
I. Basili, F. Bufalieri, M. Conenna, S. Navacci, Y. Li, J. Torrejon, F. Bernardi, L. Lospinoso Severini, A. Di Pinto, F. Agnoli, G.M. Fimia, D. Guardavaccaro, S. Pazzaglia, J. Tsai, O. Ayrault, P. Infante, L. Di Marcotullio

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FROM PATIENT TO PREDICTION, AUTOLOGOUS INFLAMED SYNOVIUM-ON-CHIP MODELS TO FORECAST THERAPEUTIC RESPONSE IN RHEUMATOID ARTHRITIS
A. Chiochetti, G. Flamin-Go Consortium

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Glutamine derived from human macrophages is needed for IFN gamma secretion by CD8+ lymphocytes.
M. Bianchi, G. Longhi, G. Taurino, C. Ughini, L. Meneghel, M. Castelluccio, M. Chiu, M. Ventura, O. Bussolati

OP017

FFPE-Open-ST: Whole-transcriptome spatial transcriptomics unlocks the potential of archival clinical samples
M. Brunetti, E. Splendiani, T.M. Autilio, S. Ayoub, A. Boltengagen, D. León-Perinán, G. Gugliuzza, M. Schott, C.A. Cerda-Jara, F. Gianni, M. Moretti, G. Thomas, G. Macino, N. Karaikos, N. Rajewsky, E. Ferretti

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Snowball Effect: A Synergistic Nanotechnology Platform for Precision Radiosensitization of Triple-Negative Breast Cancer
C.ANCESCHI, G. Biagiotti, N. Formica, S. Martinelli, B. Richichi, A. Laurenzana

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A. Carbone, P. Soccio, A. Buonfiglio, E.F. Craparo, S. Jahani, D. Furnari, S. Bonsignore, C. Scialabba, S. Di Gioia, D. Lacedonia, R. Santacroce, G. Cavallaro, P. Vitullo, M. Conese

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J. Ruzzolini, S. Peppicelli, D. Conti, T. Kersikla, D. Martinucci, M.P. Avati, C. Nediani, F. Bianchini

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Novel insights into the pathogenetic mechanisms of cancer resistance against Topotecan: the role of glutathione transferase omega 1-1.

G. Paties Montagner, S. Piaggi, A. Pompella, A. Corti

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Succinate-Generated Redox Potential Enhances the Efficacy of Chemosensitizers in Overcoming Cancer Drug Resistance

P. Leone, A. Ranjbar, E. Favoino, F. De Castro, F.P. Fanizzi, L. Schwartz, A. Mazzocca

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Establishing METTL16 as a key regulator of GBM carcinogenesis

M. Crepaldi, G. Bove, B. Mehrad, S. Amin, G. Favale, S. Orsillo, M. Gull, V. Carafa, A. Nebbioso, N. Del Gaudio, P. Peruzzi, L. Altucci

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Hypoxia-Driven EphA2 Targeting Enables A40s-miR-340-5p Delivery to Disrupt Glioblastoma Stem Cells

M. Mascolo, G. Roscigno, G. Petrillo, G. De Luca, S. Nuzzo, S. Verde, A. Fraticelli, K. Tkáčec, YC. Veneruso, C. Pignataro, D. Fiore, A. Affinito, L. Ricci Vitiani, S. Pellecchia, P. Pallante, G. Condorelli, C. Quintavalle

OP025

CDK4/6 inhibitors induce a senescence-associated secretory phenotype (SASP) in endothelial cells enhancing aggressive features of triple negative breast cancer (TNBC) cells

M. Talia, F. Silvestri, C. Meliti, E. Chiarella, A.A. Mondino, M. Di Dio, M. Maggiolini, R. Lappano

OP026

Tau Protein (MAPT) as a Marker of Neuroblastoma Cell Identity

E. Cornacchia, L. Clementi, M. Di Padova, D. Vecchiotti, F. Zazzeroni, A. Angelucci

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Moderate physical training rescue diastolic dysfunction by decreasing myocardial fibrosis in a rat model of obese HFpEF

D. Stefanizzi, L. Alibrandi, G. Almer, H. Gruber, M. Calligaris, M. Bulfoni, G. Vesca, G. Carpi, N. Alonso, G. Rodriguez-Blanco, V. Lionetti, F. Curcio, M. Hermann, A. Beltrami

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Mediterranean Diet-Associated Extracellular Vesicles Attenuate Breast Cancer Aggressiveness through the miR-10a-5p/HSP90 Axis

L. Gelsomino, D. Cristofaro, G. Filice, P. Del Console, F. Giordano, I. Barone, S. Andò, D. Bonofiglio, G. Arpino, G. Salvatore, C. Giordano, S. Catalano

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C. Vanetti, M. Stracuzzi, A. Fratta, M. Garziano, M. Russo, M. Clerici, V. Giacomet, D. Trabattoni

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C. Dieli, R. Costanzo, A.M. Corsale, F. Paolini, M. Di Simone, C. Avellone, F. Dieli, D.G. Iacopino, S. Marchiafava, R. Maugeri, S. Meraviglia

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R. Colonna, P. Bottoni, I. Serangeli, F. Toma, B. Cellini, S. Gentile, T. Servidei, A. Ruggiero, D. Lucchetti, A. Sgambato

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The oncogenic lncRNA PVT1 drives DNA Damage Response adaptation and therapeutic vulnerability in Breast Cancer
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N. Luciano, A. Caccia, M. Piacente, G. Pecoraro, F.M. Orlandella, G. Smaldone, G. Salvatore

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

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SP6 Promotes LPCAT1-Dependent Lysolecithin Reprogramming and Preserves Cardiometabolic Homeostasis in Type 2 Diabetes
C. Iside, F. Picone, P. Di Pietro, A.C. Abate, A. Damato, E.M. Sommella, M. Sala, P. Campiglia, C. Vecchione, A. Carrizzo

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F. D'Alterio, A. Parascandolo, L. Zinna, M.F. Di Tolla, L. Latta, M. Mallardo, M. Fittipaldi, G. Dello Iacovo, V. D' Esposito, P. Formisano

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S. Bellardinelli, A. Angrisani, A. Di Fiore, G. Terriaca, M. Baldi, F. Quilli, N. Sciortino, A. Sandomenico, M. Ruvo, D. Raimondo, M. Moretti, E. De Smaele

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A. Previtali, I. Guardamagna, R. Semeraro, L. Lonati, C. Riani, G. Baiocco, C. Scotti, M. Maggi



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