



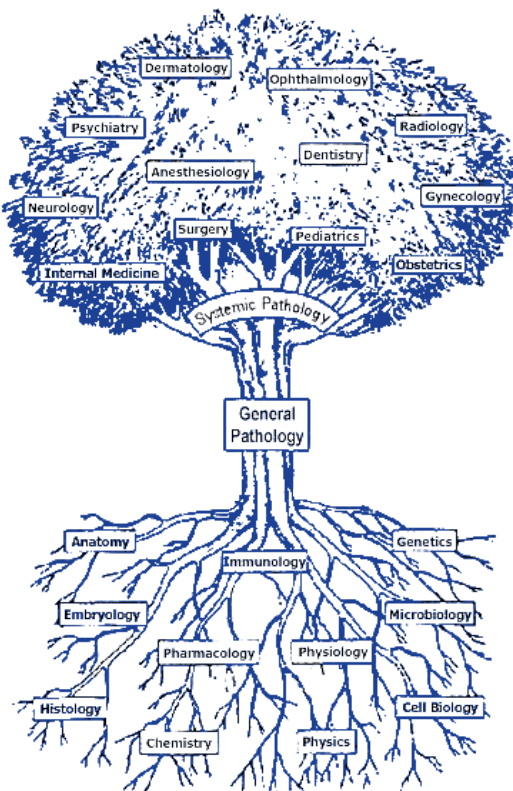
SIPMeT

Young Scientists Meeting 2023

GENERAL PATHOLOGY: THE TRUNK OF THE TREE OF MEDICINE

Parma

22nd - 23rd September 2023



Under the auspices of:

ASIP

American Society for Investigative Pathology

ASIP

American Society for
Investigative Pathology



AMP

Association for Molecular
Pathology



STRONGER TOGETHER

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American Society for Clinical
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WELCOME LETTERS

Dear all, my exciting experience of 4 years of vice presidency and 5 years of presidency of our prestigious scientific society ends in Parma.

For me it is like the JAK kinases, on the one hand I am very happy with how the congress was organized by the whole board which, according to the statute, is scientific responsible for it; on the other hand I am moved to think that I will no longer carry out this wonderful experience with so many young people who attend our pathology schools throughout Italy. More than thirty Italian schools of Pathology will be represented in Parma and I am very happy to have contributed in a small way to the rebirth of our society, and to have attracted many who had left for various reasons, and are even more united with us now than ever.

I wish everyone in this YSM to have fun enjoying world-class science, excellent cuisine and fantastic city.

An affectionate hug to you all.

Massimiliano M. Corsi Romanelli MD, PhD
SIPMeT President, President of the Congress

On behalf of the Local Organizing Committee I am pleased to welcome you to the SIPMeT Young Scientists Meeting: “General Pathology: the trunk of the tree of medicine” taking place in Parma, from September 22nd to September 23rd, 2023.

The Parma Meeting will welcome more than 200 young scientists from all over Italy and will continue the extraordinary success of previous meetings.

The groundbreaking programme encompasses discoveries in cellular and molecular oncology, immunology and inflammation, ageing and translational medicine.

The meeting will provide a wonderful and stimulating forum for young people, who represent the force of our Academic School, to meet and to interact with colleagues and leaders active in research topics of General Pathology. I hope you will enjoy the scientific program and will take a little extra time to enjoy the unique beauty of Parma.

Parma is renowned as one of Italy’s most beautiful cities offering a great variety of historical and cultural treasures and the Parma area, also known as the “Food Valley”, is home to some of Italy’s most famous food products, including Parmigiano-Reggiano, Prosciutto di Parma, Culatello di Zibello. With warmest regards,

Pier Giorgio Petronini
President of the Local Organizing Committee



Poster Awards

SIPMeT Advisory Board decided to create n. 6 AWARDS of € 250 each, for the best abstracts presented by young scientists.

One of these awards is for research in the oncological field and it is dedicated to the memory of Prof. Alberto Gulino.

2 additional awards (of € 250 each), dedicated to Prof. Guido G. Guidotti and Giancarlo Gazzola, will be provided by the University of Parma.

Winners must pick up the awards on Saturday 23rd September, from 12.30 p.m. to 1 p.m.

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 available on 22nd and on 23rd September.

Abstract Book

All abstracts submitted and accepted by SIPMeT will be available in PDF format on the website www.sipmet.org

Congress Venue

Aula Magna (plenary room)

Aula dei Filosofi (video-connected room)

Università degli Studi di Parma

Str. dell'Università, 12

43121 Parma



Registration and attendance

The Congress is upon registration.

Registration is free. The event is reserved to SIPMeT members.

Due to the limited capability, only 200 places are available in the plenary room (Aula Magna). Therefore, a video-connected room will be set up (Aula dei Filosofi). Access to the rooms will be free, at the delegates' choice (according to availability).

Certificate of Attendance

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

Congress language

The official language of the Congress is English.

Name badge

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

The registration desk opens on 22nd September, at 12.00.

Social event

A "Get-together" cocktail dinner will be organized at the Congress Venue (Università di Parma) on Friday 22nd September, from 19.00.

A ticket will be delivered to those participants who booked the Cocktai Dinner when registering. Ticket is mandatory to attend the social event.



SCIENTIFIC PROGRAMME

22nd September

12:30-13.30 **Registrations**

13:30-14:00 **Opening**

14.00-15.00 **Oncology I**

Chairs: Gianluca Canettieri, Marella Maroder

Identification of essential lncRNAs associated with Estrogen Receptor alpha as novel targets for hormone-responsive breast cancer treatment

Viola Melone, Università degli Studi di Salerno

BMI-1: a new target to fight neuroblastoma chemoresistance by inducing ferroptotic death

Giulia Elda Valenti, Università degli Studi di Genova

Discovery and functional characterization of naturally inspired inhibitors of the mitochondrial fission pathway: preclinical evidence in multiple myeloma

Roberta Torcasio, Università degli Studi di Catanzaro "Magna Graecia"

Single Cell and Spatial Transcriptomics reveal metabolic heterogeneity in pancreatic cancer

Ugo Chianese, Università degli Studi della Campania "Luigi Vanvitelli"

15.00-16.00 **Immunology I**

Chairs: Raffaella Muraro, Luigina Romani

Overcoming drug resistance in gastric cancer: carbonic anhydrase IX as a molecular target to boost therapy response and stimulate immunogenic cell death

Elena Andreucci, Università degli Studi di Firenze

Oral microbiota as a novel predictive biomarker of response to immune checkpoint inhibitors in advanced non-small cell lung cancer patients

Marta Fogolari, Università Campus Bio-Medico di Roma

Extramedullary Hematopoietic Alterations in Beta-Thalassemia parallel Tumor-Associated Myelopoiesis

Valeria Cancilia, Università degli Studi di Palermo

Exploring the Immunomodulatory Potential of Pancreatic Cancer-Derived Extracellular Vesicles through Proteomic Analysis

Anna Piro, Università degli Studi "G. D'Annunzio" Chieti-Pescara

22nd September

16.00-17.00 **Physiopathology**

Chairs: Ovidio Bussolati, Pietro Formisano

Increase of Donor-Derived Cell-Free DNA (dd-cfDNA) in Coronary Allograft Vasculopathy in heart transplanted patients

Michela Bulfoni, Università degli Studi di Udine

Role of pathogenic microvesicles in hemolytic uremic syndrome and protective effect of the drug NAB815

Elisa Varrone, Alma Mater Studiorum - Università di Bologna

Parenchymal renal cell carcinoma (RCC) is associated with occult hepatitis B virus infection (OBI)

Daniele Lombardo, Università degli Studi di Messina

Therapeutic potential of co-signaling receptor modulation in hepatitis B

Laura Chiara, Università Vita-Salute San Raffaele - Milano

17.00-18.00 **Cellular pathology**

Chairs: Emanuele Albano, Alfonso Pompella

The contribution of the glyoxalase pathway to inflammatory pathology in Cystic Fibrosis

Marilena Pariano, Università degli Studi di Perugia

Effect of the novel THR β agonist TG68 on cardiac function in a rat NAFLD-associated hepatocarcinogenesis

Andrea Marco Caddeo, Università degli Studi di Cagliari

Release of glutathione transferase omega I-I (GSTO I-I)-laden exosomes by cancer cells.

Giulia Paties Montagner, Università di Pisa

Targeting the NF- κ B-driven lipase CES1 to counteract metabolic adaptation of osteosarcoma cells

Irene Flati, Università degli Studi dell'Aquila

18.00-19.00 **SIPMeT member's Assembly and election of Council 2024-2025**

19.00 **Get-Together Cocktail**

23rd September

08.30-09.30 **Oncology II**

Chairs: Lucia Altucci, Pier Giorgio Petronini

Circulating Extracellular Vesicles from Obese Women Promote Pro-neoplastic Features of Stromal Fibroblasts in Breast Cancer
Piercarlo Del Console, Università della Calabria

Unravelling the human type 3 dendritic cell mouse homologue: from scRNAseq cross-species integration to an adenocarcinoma mouse model.
Giuseppe Rocca, Università degli Studi di Milano-Bicocca

Asparagine transport is a metabolic target for BCP-Acute Lymphoblastic Leukemia therapy
Giuseppe Taurino, Università degli Studi di Parma

A Notch-Message in a Bottle. Extracellular vesicles mediate Notch signaling and a protumoral behavior of pre-osteoblasts in multiple myeloma
Lavinia Casati, Università degli Studi di Milano "La Statale"

09.30-10.30 **Immunology II**

Chairs: Antonio D. Procopio, Roberta Alfieri

Boosting peripheral nerve regeneration in ALS by the CXCL12-CXCR4 axis
Samuele Negro, Università degli Studi di Padova

Activity of mtDNA as a DAMP on monocytes from elderly subjects
Giada Zanini, Università degli Studi di Modena e Reggio Emilia

Long pentraxin 3 (PTX3) as a regulator of lymphangiogenesis and lymphogenous dissemination in melanoma
Marta Turati, Università degli Studi di Brescia

Role of inherited predisposition and intestinal microbiota in colorectal carcinogenesis
Marika Sculco, Università del Piemonte Orientale

23rd September

10.30-11.30 **Translational medicine**

Chairs: Edoardo Alesse, Lido Calorini

The multi-omics based immune landscape of BRCA1/2-positive and negative male breast tumors
Virginia Valentini, Sapienza Università di Roma

The OSM/OSMR β signalling axis in the development of MASLD-related hepatocellular carcinoma
Beatrice Foglia, Università degli Studi di Torino

Enhancing Antitumor Efficacy of Afatinib with Curcumin in Malignant Mesothelioma: A Promising Combination Strategy
Monica Benvenuto, Università Medica Internazionale di Roma - UniCamillus

The MRN complex regulates primary ciliogenesis to sustain neuronal progenitor proliferation
Veronica La Monica, Sapienza Università di Roma

11.30-12.30 **Molecular pathology**

Chairs: Francesco Curcio, Massimiliano M. Corsi Romanelli

SALL4 is a CRL3^{REN} substrate that drives Sonic Hedgehog-dependent medulloblastoma
Ludovica Lospinoso Severini, Sapienza Università di Roma

Osimertinib-resistant NSCLC cell lines survive under low glucose environment depending on oxidative phosphorylation
Kamal Eltayeb, Università degli Studi di Parma

DNA methylation signatures discriminate inflammatory status of the intestine in children affected by autism spectrum disorders
Mariella Cuomo, Università degli Studi di Napoli Federico II

Innovative 3D models to characterise the hERG1/ β 1 complex and the stroma's role in pancreatic ductal adenocarcinoma (PDAC)
Franco Nicolás D'Alessandro, Università degli Studi di Siena

12.30-13.00 **Awards & farewell address**

ABSTRACTS

P001

Insulin Resistance Risk Can Promote Impaired Phospholipid Turnover via SREBFs Gene Pathway Triggering to Metainflammation in Overweight Cardiovascular Population
E.Vianello, M. Kalousová, F.Ambrogio, J. Badalyan, E. Dozio, L. Tacchini, T. Zima, M.M. Corsi Romanelli

P002

Loss of DDB2-PCNA protein interaction determines the acquisition of cancer cell phenotype after DNA damage induced by UV-C irradiation
A. Tricarico, M.Vetro, P. Perucca, E. Prospero, L.A. Stivala, O. Cazzalini

P003

CDK4/6 INHIBITORS AS A NEW THERAPEUTIC APPROACH IN MESOTHELIOMA MODELS
S. La Monica, M. Galetti, R. Alfieri, A. Cavazzoni, C. Fumarola, D. De Forni, F. Lori, P.G. Petronini, M. Bonelli

P004

Overcoming Therapeutic Resistance in Mutant Colorectal Cancer by Targeting HDAC2-Mediated Immune Regulation
M. Conte, A. Di Mauro, L. Capasso, L. Montella, M. De Simone, A. Nebbioso, L. Altucci

P005 (Abstract selected for Oral Communication)

SALL4 is a CRL3^{REN} substrate that drives Sonic Hedgehog-dependent medulloblastoma
L. Lospinoso Severini, E. Loricchio, S. Navacci, F. Bufalieri, S. Coni, G. Canettieri, D. Guardavaccaro, O. Ayrault, P. Infante, L. Di Marcotullio

P006

Blocking the Hedgehog-dependent tumor growth by a new selective Endoplasmic Reticulum Aminopeptidase I inhibitor
A. Cucinotta, F. Bufalieri, F. Ghirga, S. D'Amico, S. Lospinoso, D. Quaglio, M. Mori, B. Botta, P. Infante, D. Fruci, L. Di Marcotullio

P007

Quercetin triggers senolysis of pro-tumor doxorubicin-induced senescent fibroblasts by targeting autophagy
E. Bientinesi, S. Ristori, M. Lulli, D. Monti

P008

EXPLORING THE HEPATIC INSULIN SENSITIVITY AND INFLAMMATORY RESPONSE VIA NATURAL PRODUCTS: A SPOTLIGHT ON PHOSPHOELEGANIN DERIVATIVES
A.L. Agognon, S. Cabaro, S. Orso, L. De Vivo, F. Mormone, C. Morelli, G. Perruolo, M. Casertano, C. Imperatore, F. Beguinot, P. Formisano, M. Menna, F. Oriente

P009 (Abstract selected for Oral Communication)

Boosting peripheral nerve regeneration in ALS by the CXCL12-CXCR4 axis
S. Negro, G. D'Este, F. Fabris, G. Zanetti, A. Megighian, M. Massimino, A. Bertoli, C. Montecucco, M. Rigoni, M. Pirazzini

P010

Hyperactive Notch3 derails CXCR4-dependent maturation of DN thymocytes to sustain T-cell Acute Lymphoblastic Leukemia progression.
C. Varricchio, I. Sergio, S.K. Patel, M. Del Gaizo, A. Orlando, G. Bernardini, G. Peruzzi, I. Screpanti, M.P. Felli

P011 (Abstract selected for Oral Communication)

Osimertinib-resistant NSCLC cell lines survive under low glucose environment depending on oxidative phosphorylation
K. Eltayeb, S. La Monica, C. Fumarola, M. Bonelli, M. Galetti, M. Tiseo, R. Alfieri, P. Pier Giorgio

P012

Bromodomain-containing protein BRPFI as new potential therapeutic target for endocrine therapy resistance breast cancers
A. Salvati, J. Lamberti, I. Terenzi, V. Melone, L. Crescenzo, F. Russo, A. Giordano, F. Rizzo, R. Tarallo, G. Giorgio, A. Weisz, G. Nassa

P013 (Abstract selected for Oral Communication)

Identification of essential lncRNAs associated with Estrogen Receptor alpha as novel targets for hormone-responsive breast cancer treatment
V. Melone, A. Salvati, D. Palumbo, L. Palo, F. Russo, L. Picarone, G. Giurato, G. Nassa, F. Rizzo, A. Weisz, R. Tarallo

P014

THE ROLE OF MYELOID-DERIVED SUPPRESSOR CELLS IN TUMOR MICROENVIRONMENT OF NOTCH DEPENDENT T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA: POSSIBLE INTERACTION WITH NK CELLS THROUGH THE PD-1/PD-L1 AXIS
B. Abdollahzadeh, N.M. Cantale Aeo, M. Basciani, G. Peruzzi, I. Screpanti, A.F. Campese

P015

The mitochondrial fission effector Drp1 is a new therapeutic vulnerability in multiple myeloma
M.E. Gallo Cantafio, R. Torcasio, I. Perrotta, L. Ganino, A. Neri, G. Viglietto, N. Amodio

P016

A novel interplay between polyamines, EIF5A and MYC in colorectal cancer
R. Bordone, S. Coni, D.M. Ivy, N.Z. Yurtsever, L. Di Magno, R. D'Amico, B. Cesaro, A. Fatica, F. Belardinelli, F. Bufalieri, M. Maroder, E. De Smaele, L. Di Marcotullio, G. Giannini, E. Agostinelli, G. Canettieri

P017

Novel n-(heterocyclylphenyl)benzenesulfonamide sharing an unreported binding site with TCF-4 at the β -catenin armadillo repeats domain as anticancer agent

L. Di Magno, M. Nalli, M. D'Ambrosio, M. Puxeddu, A. Parisi, A. Coluccia, S. Ripa, F. Di Pastena, C. Fionda, G. Canettieri, R. Silvestri, G. La Regina

P018 (Abstract selected for Oral Communication)

The contribution of the glyoxalase pathway to inflammatory pathology in Cystic Fibrosis

M. Pariano, M. Puccetti, L. Romani, V.N. Talesa, C. Antognelli

P019 (Abstract selected for Oral Communication)

Activity of mtDNA as a DAMP on monocytes from elderly subjects

G. Zanini, V. Selleri, S. Lopez Domenech, M. Malerba, G. Sinigaglia, F. Coppi, A.V. Mattioli, M. Nasi, M. Pinti

P020

Functional analysis of mitochondria and the impact of oxidative stress in fibroblasts from patients with Amyotrophic Lateral Sclerosis

G. Sinigaglia, G. Zanini, V. Selleri, M. Malerba, M. Nasi, J. Mandrioli, F. Boraldi, M. Pinti

P021

Cell free mitochondrial DNA (mt-DNA) as a biomarker in mild traumatic brain injury (mTBI) in boxing

M. Malerba, V. Selleri, G. Zanini, F. Paone, G. Sinigaglia, G. Savino, R. D'Alisera, C. Seidenari, G. Curia, S. Bartoletti, M. Pinti, A.V. Mattioli, M. Nasi

P022

CCRL2 expression by alveolar capillary endothelial cells controls NK cell homing in lung cancer

M. Laffranchi, F. Sozio, T. Schioppa, V. Salvi, L. Tiberio, R. Bonecchi, D. Bosisio, M. Parmentier, G. Bernardini, A. Gismondi, G. Sciumé, A. Mantovani, A. Del Prete, S. Sozzani

P023 (Abstract selected for Oral Communication)

BMI-1: a new target to fight neuroblastoma chemoresistance by inducing ferroptotic death

G.E. Valenti, B. Tasso, A. Roveri, R. Venerando, N. Traverso, B. Marengo, C. Domenicotti

P024

Immune-inflammatory parameters in semi and super-centenarians

A. Calabrò, M.E. Ligotti, G. Accardi, A. Aiello, C. Caruso, G. Candore

P025

EphA2 and EphB2 differentially contribute to CRC patient-derived-tumor-organoids dynamics

M. Cioce, A. Marra, L. Xingru, D. Rutigliano, M. Verri, A. Crescenzi, M. Caricato, R. Palmqvist, V.M. Fazio

P026 (Abstract selected for Oral Communication)

The multi-omics based immune landscape of BRCA1/2-positive and negative male breast tumors.

V.Valentini, V. Silvestri, A. Bucalo, G. Conti, M. Karimi, V. Porzio, L. Ottini

P027

Lipid signaling modulates malignant mesothelioma resistance. An ex vivo study with Patient derived Mesothelioma Organoids (PDMOs)

M. Cioce, A. Marra, D. Rutigliano, S. Strano, G. Blandino, V. Chiurchiù, F. Pentimalli, A. Fiorelli, V.M. Fazio

P028

Discovery of novel human lactate dehydrogenase inhibitors: structure-based virtual screening studies and biological assessment

S. Ripa, L. Di Magno, A. Coluccia, M. Bufano, G. La Regina, M. Nalli, F. Di Pastena, G. Canettieri, R. Silvestri, L. Frati

P029

Selective targeting of redox alterations in medulloblastoma tumors through nanotechnology-based delivery systems

L. Di Magno, G. Della Rocca, F. Rinaldi, C. Marianecchi, M. Carafa, G. Canettieri

P030

Plasma Transthyretin and Retinol binding protein in cardiac amyloidosis: analytical evaluation of the immunonephelometric method and electrophoretic studies of their pattern

V. Musetti, C. Sanguinetti, S. Masotti, C. Corciulo, F. Bigazzi, C. Prontera, G. Vergaro, A. Aimo, V. Castiglione, L. Caponi, M. Emdin, A. Paolicchi, M. Franzini

P031

Targeted inhibition of the methyltransferase SETD8 synergizes with the wee1 inhibitor adavosertib in restraining glioblastoma growth in vitro and in vivo

R. Della Monica, M. Buonaiuto, F. Trio, M. Cuomo, D. Costabile, G. De Riso, C. Pagano, R. Vinciguerra, S. Ferraro, R. Visconti, L. Chiariotti

P032

Glutamine regulates BCR/Abl expression in hypoxic chronic myeloid leukemia cells via fatty acids metabolism

A. Biagioni, C. Mancini, G. Menegazzi, S. Peppicelli, D. Guasti, D. Bani, G. Pieraccini, P. Dello Sbarba

P033

“Breast cancer multi-omics characterisation points to metabolic features as acquired traits of resistance”

C. Papulino, U. Chianese, A. Ali, G. Favale, C. Tuccillo, A. Di Mauro, F. Ciardiello, L. Altucci, V. Carafa, R. Benedetti

P034

The Longevity Associated Variant in BPIFB4 targets platelets inducing endogenous protein release and its favorable health outcomes

E. Ciaglia, F. Montella, A. Carrizzo, V. Lopardo, M. De Lucia, C. Basile, A. Damato, R.M. Esposito, A. Maciag, M. Zarà, S.S. Barbieri, C. Vecchione, A.A. Puca

P035

FAD dependent LSD1 facilitates metabolic dynamics in pancreatic ductal adenocarcinoma (PDAC)

A. Ali, R. Benedetti, V. Carafa, U. Chianese, F. Ciardiello, B. Faryal, C. Papulino, E. Safadeh, L. Altucci

P036 (Abstract selected for Oral Communication)

Overcoming drug resistance in gastric cancer: carbonic anhydrase IX as a molecular target to boost therapy response and stimulate immunogenic cell death

E. Andreucci, A. Biagioni, S. Peri, G. Versienti, M. Lulli, F. Cianchi, L. Antonuzzo, D. Massi, C. Supuran, L. Calorini, L. Magnelli, L. Papucci

P037 (Abstract selected for Oral Communication)

DNA methylation signatures discriminate inflammatory status of the intestine in children affected by autism spectrum disorders

M. Cuomo, D. Costabile, R. Della Monica, M. Buonaiuto, F. Trio, L. Coretti, F. Lembo, L. Chiariotti

P038 (Abstract selected for Oral Communication)

Discovery and functional characterization of naturally inspired inhibitors of the mitochondrial fission pathway: preclinical evidence in multiple myeloma

R. Torcasio, M.E. Gallo Cantafio, C. De Marco, C. Veneziano, I. Valentino, L. Ganino, B. Rizzuti, M.A. Occhiuzzi, F. Grande, G. Viglietto, N. Amodio

P039 (Abstract selected for Oral Communication)

Single Cell and Spatial Transcriptomics reveal metabolic heterogeneity in pancreatic cancer

U. Chianese, C. Papulino, A. Ali, B. Faryal, E. Safadeh, A. Di Mauro, F. Ciardiello, L. Altucci, R. Benedetti

P040

PD-L1 overexpression induces angiogenic cytokine secretion and endothelial cell migration via STAT signalling.

G. Digiacomo, A. Cavazzoni, F. Volta, R. Alfieri, P.G. Petronini, M. Tiseo

P041

The Niche Microenvironment as a crucial feature in CML LSCs stem cell potential and quiescence maintenance.

G. Menegazzi, S. Peppicelli, A. Biagioni, S. Lefort, V. Maguer-Satta, P. Dello Sbarba

P042

Cytokine-induced iNOS in alveolar epithelial cells: cooperative effects of JAK/STAT and NF- κ B

G. Recchia Luciani, A. Barilli, R. Visigalli, B.M. Rotoli, V. Dall'Asta

P043

DECIPHERING MOLECULAR LANDSCAPE OF CARDIAC MYXOMA BY MULTI-OMICS

E. Alexandrova, R.N. Brancaccio, Y. D'Agostino, C. Ferravante, M. Torella, I. De Rosa, A.P. Montella, M. Scalise, E. Cianflone, D. Di Rosa, M. Smal, R. Tarallo, G. Nassa, G. Giurato, A. Weisz, F. Rizzo

P044

Novel diagnostic assays to discriminate active from latent Tuberculosis in children.

C. Della Bella, M.A. Motisi, E. Venturini, A.M. Tamborino, L. Galli, E. Chiappini, M.M. D'Elios

P045

Application of patient-derived liver organoids for the development of new personalized therapies targeting VDAC1 in intrahepatic cholangiocarcinoma

S. De Siervi, S. Conti Nibali, S. Mantovani, B. Oliviero, M.U. Mondelli, D. Ronchi, M.G. Lolicato, C. Turato

P046

Role of RDS 3337 heparanase inhibitor on crosstalk between apoptosis and autophagy in human glioblastoma cells

V. Manganelli, R. Misasi, G. Riitano, A. Capozzi, T.R. Caglar, S. Recalchi, A. Longo, T. Garofalo, M. Sorice

P047

Targeting EZH2 activates Notch signaling in cervical cancer and acute myeloid leukemia

E. Pace, S. Lazzari, A. Capo, L. Tottone, I. Screpanti, R. Palermo

P048

Red Mark Syndrome: Validation of a Droplet Digital PCR assay for the molecular detection of Midichloria-like organism in rainbow trout

M. Bulfoni, E. Saccà, B. Marcon, G. Vesca, D. Cesselli, M. Galeotti, F. Curcio, M. Orioles

P049 (Abstract selected for Oral Communication)

Increase of Donor-Derived Cell-Free DNA (dd-cfDNA) in Coronary Allograft Vasculopathy in heart transplanted patients

M. Bulfoni, A. Dralov, B. Marcon, G. Vesca, F. D'Aurizio, C. Nalli, C. Di Nora, S. Sponga, A. Beltrami, U. Livi, F. Curcio

P050

p300-mediated acetylation in MYC-targeted therapy in cancer

L. Capasso, V. Sian, V. Carafa, M. Conte, P. Bontempo, W.L. Megchelenbrink, M. Babaie, J. Martens, L. Altucci, A. Nebbioso

P051

MODULATORY EFFECT OF EXTRA VIRGIN OLIVE OIL POLYPHENOLS AND THEIR METABOLITES ON INFLAMMATORY RESPONSE IN INTESTINAL AND ENDOTHELIAL CELLS

S. Zodio, G. Serreli, M.P. Melis, A. Boronat, R. De La Torre, M. Deiana

P052 (Abstract selected for Oral Communication)

Circulating Extracellular Vesicles from Obese Women Promote Pro-neoplastic Features of Stromal Fibroblasts in Breast Cancer.

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

P053

CHARACTERIZATION OF NEW RIPKs FAMILY MEMBERS: HIGHLIGHTS ON THE BIOLOGICAL ROLE OF RIPK2 AND RIPK4 IN CANCER

A. Beato, L. Della Torre, L. Altucci, V. Carafa

P054

Enigmatic role of RIPK1 in leukemia

L. Della Torre, A. Beato, V. Capone, L. Altucci, V. Carafa

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Pirfenidone inhibits Cancer Activated Fibroblasts-cancer cell cross-talk in human Non-Small Cell Lung Cancer Cells

G. La Regina, R. Amato, E. Andreucci, J. Ruzzolini, L. Calorini, L. Papucci, S. Peppicelli, F. Bianchini

P056 (Abstract selected for Oral Communication)

Unravelling the human type 3 dendritic cell mouse homologue: from scRNAseq cross-species integration to an adenocarcinoma mouse model.

G. Rocca, G. Protti, F. Granucci

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Astrocyte senescence as pathogenetic mechanism underlying sex differences in Alzheimer's disease onset

S. Ristori, E. Bientinesi, A. Bigi, M. Lulli, D. Monti

P058 (Abstract selected for Oral Communication)

Asparagine transport is a metabolic target for BCP-Acute Lymphoblastic Leukemia therapy

G. Taurino, M. Chiu, M.G. Bianchi, E. Griffini, G. Pozzi, C. Maccari, E. Dander, R. Starace, C. Carubbi, R. Andreoli, P. Mirandola, D. Silvestri, G. D'Amico, O. Bussolati

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Assessment of gut microbiota composition in healthy people of Friuli-Venezia Giulia via Next Generation Sequencing (NGS)

M. Bulfoni, S. Marzinotto, M. De Martino, B. Marcon, M. Bertoni, M. Isola, C. Tascini, F. Curcio

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Identification of Maml1 as a novel negative regulator of Itch E3 ubiquitin ligase activity: new insights in cancer biology

S. Zema, M. Pelullo, M. De Carolis, I. Screpanti, D. Bellavia

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Cellular cYBorgs loadEd with near infrared gold Nanoparticles: a new Approach for pancreatic malignancies (CYBERNATIC)

C. Anceschi, J. Ruzzolini, E. Frediani, F. Margheri, A. Chillà, F. Ratto, M. Del Rosso, G. Fibbi, A. Laurenzana

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BPIFB4 as a prognostic tool for human frailty

V. Lopardo, F. Montella, S.M. Aliberti, A. Carrizzo, P. Di Pietro, M.C. Calabrese, C. Vecchione, A.A. Puca, E. Ciaglia

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Antifibrotic drug Pirfenidone sensitizes human melanoma cells to doxorubicin: a possible mechanism of action

R. Amato, G. La Regina, E. Andreucci, J. Ruzzolini, L. Calorini, L. Papucci, S. Peppicelli, F. Bianchini

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A new in vitro model of BBB and brain organoids to study the role of Mg in brain development

G. Fedele, M. Bartolini, S. Castiglioni, A. Cazzaniga

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Retinal and circulating miRNA expression in patients affected by vitreoretinopathy

E. Costantini, L. Aielli, M. Reale, R. D'Aloisio

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New strategies for control Programmed Death Ligand-1 endocytosis to improve cancer checkpoint inhibitor therapy

E. Frediani, C. Anceschi, A. Chillà, A. Laurenzana, J. Ruzzolini, G. Fibbi, M. Del Rosso, F. Margheri

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BCR/Abl protein suppression in Chronic Myeloid Leukemia: possible role of lactate and sirtuin1

S. Peppicelli, G. Menegazzi, A. Biagioni, C. Papulino, A. Ali, R. Benedetti, P. Dello Sbarba

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Exploiting the STING pathway for the therapy of MYCN amplified neuroblastoma

S. Di Giulio, E. Rullo, F. Belardinilli, D. Salerno, L. Belloni, M. Petroni, F. Fabretti, V. La Monica, D. Battaglini, M. Augusto, R. Schirano, C. Manfredi, L. Gerardi, V. Licursi, Z. Liu, J.C. Thiele, G. Giannini

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BIPHASIC CHANGES IN GLUTAMINE METABOLISM DURING LPS-DEPENDENT ACTIVATION OF HUMAN MACROPHAGES

G. Taurino, M. Chiu, E. Griffini, O. Bussolati, M.G. Bainchi

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Regulation of the Hedgehog pathway by microRNAs targeting the oncosuppressor KCASH2
F.Taj Mir, F. Bordin, E. De Smaele, A. Di Fiore, M. Moretti

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Salivary DNA in the follow-up of oral squamous cell carcinoma (OSCC)
C. Dal Secco, C. Mio, A. Tel, M. Robiony, G. Damante, F. Curcio

P072 (Abstract selected for Oral Communication)

Oral microbiota as a novel predictive biomarker of response to immune checkpoint inhibitors in advanced non-small cell lung cancer patients
M. Fogolari, F. Pantano, M. Iuliani, S. Simonetti, S. Cavaliere, B. Vincenzi, G. Tonini, S. Angeletti

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Glutamine addiction of multiple myeloma shapes a pro-tumour bone marrow niche.
E. Griffini, G. Taurino, M.G. Bianchi, C. Maccari, R. Andreoli, G. D'Amico, N. Giuliani, O. Bussolati, M. Chiu

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Impact of an engineered functionalized scaffold in promoting cardiac tissue regeneration in the post-MI rat model
D. Rossin, R. Vanni, S. Perveen, N. Barbani, R.A. Pires, R.L. Reis, R. Rastaldo, C. Cristallini, C. Giachino

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Laboratory management of biliary colic and jaundice in Emergency Department
A.R. Cussigh, S. Cmet, E. Fontanini, F. Curcio

P076

Standardizing PTH: comparison between 2nd and 3rd generation PTH assays
M. De Luca, F. D'Aurizio, F. Curcio

P077 (Abstract selected for Oral Communication)

Role of pathogenic microvesicles in hemolytic uremic syndrome and protective effect of the drug NAB815
E. Varrone, D. Carnicelli, L. Consagra, M. Pluchino, G. Rossi, T. Vaara, M. Vaara, M. Brigotti

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Investigation of the biological consequences of prolonged inhibition of cell cycle checkpoint kinases 1 and 2 on genetic instability in acute leukemia cells.
A. Ghelli Luserna Di Rorà, A. Padella, E. Fonzi, A. Ferrari, M. Ghetti, M.T. Bochicchio, M.C. Fontana, A. Marranci, G. Martinelli, G. Simonetti

P079 (Abstract selected for Oral Communication)

Extramedullary Hematopoietic Alterations in Beta-Thalassemia parallel Tumor-Associated Myelopoiesis
V. Cancila, G. Bertolazzi, A.M. Aprile, G. Morello, S. Sangaletti, M. Ponzoni, G. Ferrari, C. Tripodo

P080

Thyroid hormone dyshomeostasis contributes to the pathogenesis of diabetic retinopathy
E. Andreucci, F. Forini, G. Nicolini, R. Amato, S. Balzan, A. Saba, A. Bertolini, S. Marracci, A. Melecchi, D. Terlizzi, R. Zucchi, G. Iervasi, G. Casini, M. Lulli

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Effects of Cerebral Small Vessel Disease (CSVD) patients' plasma on brain endothelial cells
A. Cifù, F. Janes, C. Mio, R. Domenis, M. Fabris, M.E. Pessa, R. Garbo, M. Valente, F. Curcio

P082 (Abstract selected for Oral Communication)

Parenchymal renal cell carcinoma (RCC) is associated with occult hepatitis B virus infection (OBI)
D. Lombardo, M. Rossanese, C. Musolino, G. Raffa, G. Caminiti, C. Saitta, G. Mucciardi, M. Chiappetta, V. Ficarra, G. Raimondo, T. Pollicino

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Novel insights in the functional interaction between ESR1 mutant breast cancer cells and fibroblasts
A. Caruso, L. Gelsomino, R. Malivindi, A.E. Leonetti, E. Tasan, G.D. Naimo, I. Barone, C. Giordano, D. Bonofiglio, L. Mauro, G. Gu, S.A.W. Fuqua, S. Catalano, S. Andò

P084 (Abstract selected for Oral Communication)

A Notch-Message in a Bottle. Extracellular vesicles mediate Notch signaling and a protumoral behavior of pre-osteoblasts in multiple myeloma.
L. Casati, V. Citro, D. Giannandrea, N. Platonova, N. Giancroce, G. Sauro, N. Abazari, L. Dioni, V. Bollati, R. Chiaramonte

P085 (Abstract selected for Oral Communication)

Therapeutic potential of co-signaling receptor modulation in hepatitis B
F. Andreatta, C. Krüger, C. Laura, M. Ravà, X. Ficht, K. Keigo, F. Moalli, V. Fumagalli, P. Di Lucia, C. Beccaria, J. Garcia-Manteiga, B. Partini, E. Bono, G. Noretto, L. Giustini, R. Ostuni, C. Perucchini, E. Lugli, M. Isogawa, A. Bertolotti, C. Ferrari, L. Guidotti, M. Iannacone

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HBV re-infection or de-novo infection in the course of liver transplantation in patients chronically infected with HBV, HBV/HDV, or HCV
G. Raffa, D. Lombardo, C. Musolino, V. Chines, I. Cacciola, L. Caccamo, M.F. Donato, G. Raimondo, T. Pollicino

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Circadian metabolic and immune regulation in gastrointestinal infections
C. Stincardini, G. Renga, M. Pariano, C. Fabi, V. Oikonomou, C. Costantini, L. Romani, M.M. Bellet

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Exploiting autophagy to prevent fungal outbreak in CLL patients in the era of precision medicine
G. Renga, M.M. Bellet, D. Sorcini, F. Grignani, F. Aversa, P. Sportoletti, L. Romani, V. Oikonomou

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Integrins regulate hERG1 dynamics: signaling, modeling and antibody interfering in cancer cells
J. Iorio, C. Duranti, G. Bagni, G. Chioccioli Altadonna, T. Fillion, M. Lulli, F.N. D'Alessandro, A. Montalbano, C. Capitani, R. Colasurdo, E. Lastraioli, D. Fanelli, S. Coppola, F. Piazza, T. Schmidt, A. Becchetti, A. Arcangeli

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Jagged1, a novel non-canonical player in Pancreatic Ductal Adenocarcinoma (PDAC)
M. De Carolis, M. Pelullo, S. Zema, I. Screpanti, D. Bellavia

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Evaluation of ferritin levels and other circulating parameters as predictive biomarkers of Postoperative Atrial Fibrillation risk
D. Magro, M. Venezia, L. Scola, C.R. Balistreri

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Studies on potentially druggable pathways that regulate stress-induced TrkAIII mitochondrial internalization, cleavage and activation in human neuroblastoma cells.
M. Ruggieri, L. Cappabianca, M. Scaffone, I. Martelli, A.R. Farina, A.R. Mackay

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The TrkAIII splice variant oncoprotein enhances PD-L1 expression in human SH-SY5Y neuroblastoma cells
M. Scaffone, L. Cappabianca, M. Ruggieri, V. Zelli, I. Martelli, A.R. Farina, A.R. Mackay

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ERK5 nuclear localization targeting synergizes with the ERK5 kinase inhibitor AXI5836 in reducing cancer cell proliferation
Z. Lombardi, A. Kashchuk, L. Gardini, M. Lulli, A. Menconi, I. Tusa, M. Capitano, E. Rovida

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Starting point for eGFR thresholds reassessment on the basis of age and sex/gender to easily differentiate age-dependent renal functional decline from chronic kidney disease (CKD) in men/women
M. Venezia, D. Magro, L. Scola, C.R. Balistreri

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Monitoring SARS-CoV-2 omicron variant evolution in patients treated with Sotrovimab
M. Bulfoni, A. Cussigh, M. De Martino, E. Sozio, E. Bottarel, M. Isola, C. Tascini, F. Curcio

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Regulation of arginine metabolism in macrophages host cells by Leishmania infantum and hypoxia
F. Perego, S. D'Alessandro, S. Parapini, M. Dolci, L. Signorini, S. Delbue, D. Taramelli, N. Basilico

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TRPM8: A NEW EMERGING TARGET FOR MELANOMA TREATMENT
R. D'Angiolo, C. Sorrentino, F. De Stefano, C. Ostacolo, I.M. Gomez Monterrey, P. Campiglia, A. Bertamino, P. Giovannelli, M. Di Donato, M. Antimo, G. Castoria

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The cooperation between the Androgen Receptor and Filamin A prevents cell senescence in skeletal muscle.
C. Sorrentino, G. Gentile, G. Toro, P. Giovannelli, A. Moretti, G. Iolascon, M. Di Donato, G. Castoria, A. Migliaccio

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The dialogue between Prostate Cancer and Carcinoma-associated fibroblasts: the influence of Androgens and Nerve Growth Factor
M. Di Donato, P. Giovannelli, A. Migliaccio, G. Castoria

P101 (Abstract selected for Oral Communication)

Effect of the novel THR β agonist TG68 on cardiac function in a rat NAFLD-associated hepatocarcinogenesis
A.M. Caddeo, M. Kowalik, S. Rapposelli, A. Columbano, A. Perra

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Analysis of HBV integration in mitochondrial DNA of HepAD38 cells by the high-throughput HBV integration sequencing (HBIS) and RNASeq approaches.
C. Musolino, D. Lombardo, V. Chines, G. Raffa, D. Giosa, R. Aiese Cigliano, M. Aguenouz, G. Raimondo, T. Pollicino

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Dissection of humoral immune response against SARS-CoV-2 Nucleoprotein in COVID-19 patients
T. Caruso, C. Porciani, F. Pisani, D. Testa, M.L. Manca, S. Manganelli, L. De Simone, P. Migliorini, F. Pratesi

P104 (Abstract selected for Oral Communication)

The OSM/OSMR β signalling axis in the development of MASLD-related hepatocellular carcinoma
B. Foglia, S. Sutti, A. Provera, C. Vecchio, C. Rosso, J. Nurcis, G. Caviglia, E. Bugianesi, E. Albano, M. Parola, S. Cannito

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Anti-cancer effect of Glabrescione B in preclinical models of Hedgehog-dependent tumors: implication for its translation into clinical practice
P. Infante, I. Basili, F. Ghirga, F. Bufalieri, L. Lospinoso Severini, D. Quaglio, M. Mori, B. Botta, S. Pazzaglia, R. Daniele, P. Caliceti, S. Salmaso, L. Di Marcotullio

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RNA medicine: a novel approach to block the pathological communication between tumor and microenvironment.

N. Abazari, D. Giannandrea, L. Casati Lavinia, A. Villa, E. Crippa, N. Platonova, V. Citro, G. Sauro, C. Paolo, R. Chiaramonte

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KILLING CANCER CELLS WITH NATURAL COMPOUNDS: THE ACTIVITY OF GENISTEIN IN A GASTRIC ADENOCARCINOMA MODEL

G. Versienti, S. Peri, A. Biagioni, E. Andreucci, L. Magnelli, L. Papucci

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Short-term TERT inhibition impairs cell proliferation through the NF- κ B/MYC/P21 axis in in vitro and in vivo models: evidence for the non-canonical functions of TERT

S. Giunco, A. Amin, M. Morello, B. Rizzo, M.R. Petrara, J. Lidonnici, F. Argenton, A. De Rossi

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HUR protects PD-L1 mRNA from microRNA-mediated degradation under hypoxia

C. Costa, M. Tathode, M. Caraglia, M. Cioce, L. Mutti, A. Giordano, F. Pentimalli

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Mitochondrial dysfunction in ectopic calcification.

F.D. Lofaro, B. Susanna, M. Garcia-Fernandez, D. Quaglino, F. Boraldi

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Site-specific antagoMIR deLIVERY as an innovative therapeutic approach for thromboinflammation associated with Behçet's syndrome - MIRLIVERY

G. Bagni, E. Lastraioli, A. Bettiol, I. Mattioli, M.L. Urban, G. Emmi, D. Prisco, A. Arcangeli

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Identification of an interplay between ERK5 and hypoxia inducible Factor 1 α in intrahepatic cholangiocarcinoma cells.

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

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The Potential Anticancer Activity of Donkey Milk in Human Gastric Adenocarcinoma (AGS) cell line

M. Mazzone, M.C. Di Marcantonio, A. Fatica, E. Salimei, R. Muraro, G. Mincione

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KCTDI is a new modulator of the KCASH family of Hedgehog suppressors

S. Bellardinelli, A. Di Fiore, F. Bordin, M. Moretti, E. De Smaele

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Study of the effectiveness of a new polycomponent formulation on hydrogen peroxide-induced aging in human dermal fibroblasts

F.R. Augello, F. Lombardi, P. Palumbo, S. Artone, A. Ciafarone, M. Giuliani, M.G. Cifone, B. Cinque

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IDENTIFICATION OF SIDE POPULATION CELLS IN HUMAN LUNG CANCER (A549 CELL LINE) AND PRELIMINARY EVALUATION AFTER TREATMENT WITH STILBENES

V. Livraghi, A. Scopelliti, A. Grossi, L.A. Stivala, S. Solito, V. Sottile, M. Savio

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Role of Pin1-Notch3 axis in sustaining Platinum Resistance in Ovarian Cancer

A. Mancusi, M.V. Giuli, B. Natiello, S. Checquolo

P118 (Abstract selected for Oral Communication)

Enhancing Antitumor Efficacy of Afatinib with Curcumin in Malignant Mesothelioma: A Promising Combination Strategy

M. Benvenuto, D. Nardozi, C. Palumbo, C. Focaccetti, R. Carrano, V. Angiolini, V. Lucarini, L. Cifaldi, R. Bei, L. Masuelli

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Uncovering the molecular mechanism governing Pin1-WWP2 antagonistic interplay on Notch3 in Ovarian Cancer

A. Mancusi, M.V. Giuli, B. Natiello, S. Checquolo

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UNCOVERING THE MOLECULAR MECHANISM GOVERNING PIN1-WWP2 ANTAGONISTIC INTERPLAY ON NOTCH3 IN OVARIAN CANCER

A. Mancusi, M.V. Giuli, B. Natiello, S. Checquolo

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Intracellular Proprotein Convertase Subtilisin/Kexin type 9 and inflammation in atherosclerosis: in vivo and in vitro evidence

C. Macchi, M.F. Greco, A.S. Rizzuto, M. Zarà, M. Cafora, C. Favero, I. Giusti, V. Dolo, A. Corsini, S.S. Barbieri, A. Pistocchi, V. Bollati, M. Ruscica

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Checkpoint Mechanisms Underlying ILC2 Activity

G. Pietropaolo, M. Laffranchi, C. Di Censo, A.M. Candelotti, J. Mazej, G. Scarno, G. Peruzzi, R. Molfetta, R. Paolini, S. Sozzani, A. Santoni, G. Sciumè

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The new emerging role of NLRP4 Inflammasome platform as regulator of TBK1 and AKT in T47D breast cancer cell line.

C. Sugoni, G. Poli, C. Fabi, S. Filippi, G. Luca, L. Proietti-De-Santis, M.M. Bellet, S. Brancorsini

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A Mesoporous Silica-based Nanodevice as a Vehicle for the Highly Selective Delivery and the Improved Efficacy of Resveratrol and Dihydrotestosterone Combination to Folate Receptor Expressing Breast Cancer Cells

C. Longobucco, F.I. Montalto, M. De Santo, M. Fava, P.A. Cavallaro, L. Pasqua, M. Lanzino, F. De Amicis, A. Leggio, C. Morelli

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Androgen receptor-mediated signaling influence Bcl-2 agonist of cell death (BAD) expression and function in breast cancer cells.

A. Cormace, C. Chiodo, C. Morelli, R. Sirianni, I. Casaburi, D. Sisci, S. Andò, M. Lanzino

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MiR-182-5p Is Upregulated in Hepatic Tissues from a Diet-Induced NAFLD/NASH/HCC C57BL/6J Mouse Model and Modulates Cyp11a1 and Foxo1 Expression.

C. Compagnoni, R. Capelli, V. Zelli, A. Corrente, D. Vecchiotti, I. Flati, M. Di Vito Nolfi, A. Angelucci, E. Alesse, F. Zazzeroni, A. Tessitore

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ROLE OF TAU/MAPT IN MODULATING DIFFERENTIATION THERAPY OF BRAIN TUMORS

L. Clementi, S. Sabetta, V. Mattei, V. Zelli, E. Alesse, A. Angelucci

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Circulating microRNA signatures for the diagnosis of familial-hereditary breast/ovarian cancer

V. Zelli, C. Compagnoni, C. Ficorella, T. Sidoni, A. Di Marco, A. Bianchi, F. Zazzeroni, E. Alesse, A. Tessitore

P129 (Abstract selected for Oral Communication)

Release of glutathione transferase omega 1-1 (GSTO1-1)-laden exosomes by cancer cells.

G. Paties Montagner, S. Piaggi, E. Lorenzini, M. Masini, V. De Tata, A. Pompella, A. Corti

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Anti-cancer activity of the oncolytic adenovirus dl922-947 in estrogen receptor positive breast cancer

F. Napolitano, G. Castellano, A.M. Malfitano, G. Portella

P131 (Abstract selected for Oral Communication)

Exploring the Immunomodulatory Potential of Pancreatic Cancer-Derived Extracellular Vesicles through Proteomic Analysis

A. Piro, M.C. Cufaro, P. Lanuti, S. De Fabritiis, L. De Lellis, R. Florio, S. Pagotto, S. Pilato, D. Brocco, P. Simeone, G. Catitti, S. Vespa, D. Pieragostino, A. Cama, S. Veschi

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KCASH2ko mouse model: a tool to study the Hedgehog pathway.

A. Apostolico, S. Fonte, M. Izzo, F. Bordin, A. Di Fiore, M. Moretti, E. De Smaele

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Type 2 Innate Lymphoid Cells as non-invasive prognostic biomarkers of prostate cancer

M.R. Ambrosio, G. Ercolano, E. La Civita, D. Maresca, G. Maneli, F. Crocetto, C. Imbimbo, P. Formisano, D. Terracciano

P134 (Abstract selected for Oral Communication)

Targeting the NF- κ B-driven lipase CES1 to counteract metabolic adaptation of osteosarcoma cells

I. Flati, D. Verzella, M. Di Vito Nolfi, F. Dall'Aglio, D. Vecchiotti, E. Alesse, G. Franzoso, F. Zazzeroni, D. Capece

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GADD45B as a potential therapeutic target in ovarian cancer

F. Dall'Aglio, D. Verzella, M. Di Vito Nolfi, I. Flati, D. Vecchiotti, D. Capece, G. Franzoso, E. Alesse, F. Zazzeroni

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RSV and SARS-CoV-2 co-infection: an in vitro tool to monitor pathogenic mechanisms

C. Vanetti, S. Zecchini, G. Cappelletti, M. Garziano, I. Saulle, S. Strizzi, F. Limanaqi, C. Fenizia, M. Clerici, D. Trabattoni, M. Biasin

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Dendritic cell characterization and T cell polarization after infection with Leishmania tarentolae engineered for the expression of the SARS-CoV-2 spike protein for use as a vaccine vehicle

M. Garziano, I. Varotto-Bocazzi, C. Conforti, G.M. Cattaneo, M. Clerici, C. Vanetti, R. Molteni, M. Biasin, C. Bandi, D. Trabattoni

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EVALUATION OF 3D BIOPRINTING FOR TESTING SRC-TARGETED DRUGS IN CANCER MODELS

S. Sabetta, L. Clementi, M. Di Vito Nolfi, D. Vecchiotti, F. Zazzeroni, S. Schenone, A. Angelucci

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EVALUATION in vitro OF THE POTENTIAL ANTI-FIBROTIC EFFECT OF CURRENT TREATMENTS FOR INTESTINAL BOWEL DISEASE.

S. Artone, A. Ciafarone, F. Lombardi, F.R. Augello, P. Palumbo, M.G. Cifone, B. Cinque, G. Latella

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In vivo effect of oral daily intake of the endocrine disruptor Bisphenol-A (BPA) in mice transgenic for the neu oncogene, which spontaneously develop mammary tumors

C. Focaccetti, D. Nardozi, C. Palumbo, M. Scimeca, M. Benvenuto, R. Carrano, V. Lucarini, V. Angiolini, S. Migliaccio, E. Ferretti, L. Masuelli, R. Bei

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IDENTIFICATION OF A CROSS-TALK BETWEEN THE MEK5/ERK5 AND THE HEDGEHOG/GLI PATHWAYS IN MELANOMA

I. Tusa, A. Tubita, A. Menconi, S. Gagliardi, Z. Lombardi, M. Lulli, B. Stecca, E. Rovida

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From 2D to 3D studies: New insights and therapeutic approach into the Glaucoma pathogenesis
D.Vecchiotti, M. Di Vito Nolfi, C. Compagnoni, I. Flati, F. Dall'Aglio, D. Capece, D.Verzella, A. Angelucci, A. Tessitore, E. Alesse, F. Zazzeroni

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Angiotensin II through PI3K/Akt and Hedgehog crosstalk promotes glioblastoma stemness
A.E. Leonetti, S. Panza, G.D. Naimo, L. Gelsomino, P. Ruffo, A. Caruso, R. Malivindi, F. Giordano, L. Mauro, S. Andò

P144 (Abstract selected for Oral Communication)

Long pentraxin 3 (PTX3) as a regulator of lymphangiogenesis and lymphogenous dissemination in melanoma
M. Turati, S. Rezzola, F. Maccarinelli, S. Mussi, A. Giacomini, T. Annese, D. Ribatti, R. Ronca

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Efficacy of oncolytic adenovirus dl922-947 in triple-negative breast cancer cell lines
G. Castellano, F. Napolitano, C. Maglio, A.M. Malfitano, G. Portella

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Application of molecular imaging as potential early biomarker for triple-negative and estrogen receptor positive breast cancer models
C. Villa, P. Rainone, S. Valtorta, S. Todde, M. Cadamuro, D. Conconi, G. Bertoli, R.M. Moresco, M. Lavitrano

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Macrophage activation due to TLR4- and TLR7/8 agonists is limited by NRF2/HO-1 stimulation
J. Ortolan, A.L. Furfaro, C. Ivaldo, C. D'Abramo, L. Giliberto, M. Nitti

P148 (Abstract selected for Oral Communication)

The MRN complex regulates primary ciliogenesis to sustain neuronal progenitor proliferation
V. La Monica, F. Fabretti, V. Nicolis Di Robilant, A. Balzerano, M. Augusto, D. Battaglini, F. Polonara, S. Di Giulio, M. Petroni, G. Giannini

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Dissecting the characteristics of "unconventional" circulating tumor cells
G. Gallerani, P. Bertoglio, I. Salamon, I. Pace, M. Riefolo, K. Rihawi, S. Piergiorgio, M. Bonafè, M. Ferracin

P150 (Abstract selected for Oral Communication)

Role of inherited predisposition and intestinal microbiota in colorectal carcinogenesis
M. Sculco, M. La Vecchia, M.G. Clavenna, N. Piantanida, G. Sala, G. Borgonovi, S. Joseph, M. Mellai, N. Pagano, P. Occhipinti, R. Boldorini, B. Azzimonti, E. Bona, D. Ferrante, M. Giordano, A. Aspesi, L. Corrado, I. Dianzani

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Peri-Renal Adipocyte-Factors drive clear cell Renal Cell Carcinoma metastatization enhancing cell viability and motility
E. La Civita, G. Carbone, N. Petecca, A. Mirra, D. Sorvillo, F. Crocetto, G. Lucarelli, F. Beguinot, P. Formisano, D. Terracciano

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TXNIP Expression is Transcriptionally regulated by FoxO3a in Tamoxifen-sensitive and Resistant Breast Cancer Cells
M. Fava, C. Longobucco, P. Rizza, F. Accattatis, S. Catalano, D. Sisci, I. Barone, C. Morelli

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A perspective on Gold Nanoparticles application in the treatment of Gastric Cancer
S. Peri, G. Versienti, E. Andreucci, A. Biagioni, J. Ruzzolini, C. Anceschi, A. Laurenzana, L. Magnelli, L. Papucci

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Circulating CD137+ T Cells as an immune biomarker for response to anti-PD1 immunotherapy in NSCLC patients
A. Asquino, F. Scirocchi, A. Pace, I.G. Zizzari, M. Siringo, E. Tramontano, E. Cortesi, A. Gelibter, M. Nuti, A. Rughetti, C. Napoletano

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COX-2 inhibition counteracted TMZ-induced macrophage recruitment in glioblastoma spheres by osteopontin down-regulation.
A. Ciafarone, F. Lombardi, F.R. Augello, S. Artone, M.G. Cifone, B. Cinque, P. Palumbo

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R. Plebani, M. Marzotto, D. Mattosio, L.A. Baeza, S. Castagnozzi, H. Bai, L. Si, S. Preato, M.C. Cufaro, V. Lotti, M. Zuccarini, M. Ceci, A. Recchiuti, M. Ronci, D. Pieragostino, P. Del Boccio, M. Trerotola, C. Sorio, M. Romano

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Involvement of COX-2 in establishing an immunosuppressive microenvironment in tumorspheres derived from TMZ-resistant glioblastoma cells.

F. Lombardi, F.R. Augello, S. Artone, A. Ciafarone, M.G. Cifone, B. Cinque, P. Palumbo

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Functionalized magnetic nanoparticles for the therapy of adiposopathy by magneto-mechanical effect

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G. Ferraro, S. Cabaro, S. Romano, V. Parisi, V. D'Esposito, L. Zinna, F. D'Alterio, M. Tomeo, M.F. Di Tolla, F. Beguinot, P. Formisano

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

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A. Pace, F. Scirocchi, H. Rahimi, S. Minasi, C. Napoletano, A. Asquino, I.G. Zizzari, L. D' Angelo, A. Santoro, F. Buttarelli, M. Nuti, A. Rughetti

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A. Lavoro, L. Falzone, G. Gattuso, G.N. Conti, M. Libra, S. Candido

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Blocking the CN-NFAT Pathway in Dendritic Cells Alters Differentiation and Induces Tolerogenic Phenotype

M. Galli, L. Marongiu, F. Granucci

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F.N. D'Alessandro, G. Chioccioli Altadonna, M. Martinelli, M. Mitsi, A. Montalbano, T. Lottini, C. Duranti, B. Simona, A. Schwab, T. Schmidt, A. Arcangeli

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A. Nigro, I. Salvato, A. Napoli, L. Vitale, M.J. Lamberti, L. Ricciardi, V. Casolaro, C. Stellato, J. Dal Col

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

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