



SIPMeT
Congress
2022

Pathophysiology of disease

22-24 September 2022
Ancona



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



Istituto
di Ricovero
e Cura
a Carattere
Scientifico

Aula Magna di Ateneo - Polo Monte Dago
Università Politecnica delle Marche

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Piazza Paolo Ferrari, 20121 - Milano

Under the auspices of:

American Society for Investigative Pathology

ASIP

American Society for Investigative Pathology



AMP

Association for Molecular Pathology



ASCP

American Society for Clinical Pathology

Welcome Letters

Also in 2022 we managed to hold our congress, with 171 abstracts. We are in a growing trend with many young people especially from locations that have returned to frequent our Scientific Society. An immense pleasure for a president who expires in December 2022. In these four years of my presidency, we have been able to hold 4 congresses, one virtual with ASIP, another virtual with AMP (Europe 2021); we held a Young Scientist Meeting in Perugia and now a congress in Ancona, both in attendance. I am very happy and I trust in those who will come after me who will continue for the better to make this ancient and historical scientific society grow.

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

Dear colleagues, dear friends,
It is a great honor for myself and for the Local Organizing Committee to host you in the Università Politecnica of Ancona.

SIPMeT 2022 Congress will be the first of our society that will join young and "differently young" pathologist. We are very delighted to experiment this new intriguing format.

On behalf of myself and the Local Organizing Committee, I wish you a successful meeting and look forward to being soon together in Ancona.

Antonio Domenico Procopio
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.

6 additional awards (of € 250 each) will be provided by Fondazione di Medicina Molecolare – Facoltà di Medicina e Chirurgia – Università Politecnica delle Marche.

Winners will present their posters to the audience during the Poster Rounds session. Winners must pick up the awards on Saturday 24 September, from 12.30 p.m. to 1 p.m.

Posters

Posters will be displayed in electronic format only.

All posters will be available through the official Web App from 22 September to 31 December 2022.

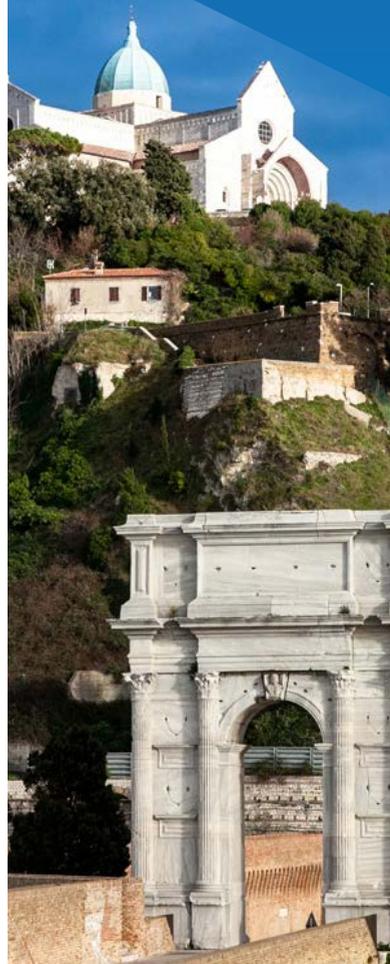
Scan the QR Code to access the Web App:



Congress Venue

Aula Magna Ateneo
Polo Monte Dago
Università Politecnica
delle Marche
(Facoltà di Ingegneria)
Via Breccie Bianche, 12
Ancona

Bus no. 46 (stop: Università
Ingegneria)
Free parking available.



Registration

The Congress is upon registration.

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

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.

Congress language

The official language of the Congress is English.

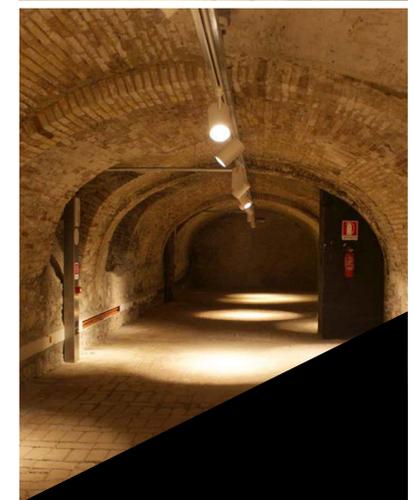
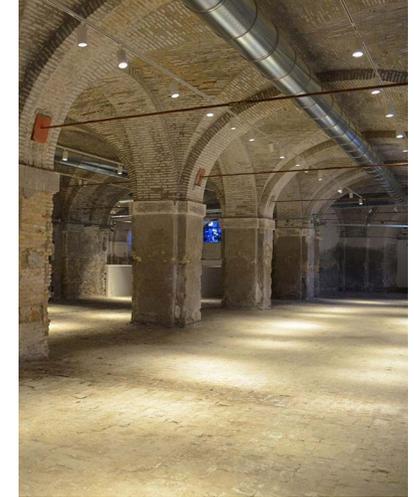
Name badge

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 22 September, at 12.00.

Lunch

SIPMeT is glad to offer lunch to all congress delegates on Friday 23 September. All participants will receive a voucher valid for a standard menu to be consumed at the University Bar.

No additional catering services will be offered.



Social event

A "Get-together" cocktail dinner will be held on **Friday, 23 September**, from **8.30 pm**, at **Magazzino Tabacchi** - Mole Vanvitelliana (Banchina Giovanni da Chio, 28 - Ancona).

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

Ticket is mandatory to attend the social event.

Thursday 22 September 2022

12.00 - 14.00 **Registrations**

14.00 - 14.30 **Opening ceremony and welcome address**

14.30 - 16.00 **Pathophysiology of metabolism**

Chairs: Massimiliano Marco Corsi Romanelli, Pietro Formisano

The pathophysiology of PCSK9: A view beyond the regulation of LDL receptor

Massimiliano Ruscica, Milano

Cholesterol-Free Ketogenic Diet Feeding Improves Experimental Non-alcoholic Fatty Liver Disease (NAFLD)

Alessia Provera, Novara

Wound healing of cystic fibrosis epithelium is accelerated by human mesenchymal stem cells and tailored CFTR modulators

Valeria Daniello, Foggia

In vitro evidence of antiproliferative and antimigratory effects of Metformin in male germ cell tumors

Alessandro Salatino, Catanzaro

Prognostic Value of Soluble ST2, High-Sensitivity Cardiac Troponin, and NT-proBNP in Type 2 Diabetes: a 15-Year Retrospective Study

Jacopo Sabbatinelli, Ancona

16.15 - 17.45 **Omic and metaomic mechanisms of disease**

Chairs: Francesco Curcio, Edoardo Alesse

Bioinformatics and machine learning techniques bring omics data a step closer to the clinics

Antonio Paolo Beltrami, Udine

Novel mechanisms through which metformin induces inhibitory effects in primary breast cancer cells

Francesca Cirillo, Cosenza

Thursday 22 September 2022

A nanoparticle-based strategy to overcome miR-214-driven drug resistance in hyperpigmented melanoma cells

Elena Andreucci, Firenze

Dietary Intervention affects specific inflammatory and metabolic biomarkers in patients with cancer

Michele Francesco Di Tolla, Napoli

Effects of the inhibition of glucosylceramide synthase in NSCLC cell lines

Silvia La Monica, Parma

Friday 23 September 2022

09.00 - 10.30 **Microbes, inflammation, immunity I**

Chairs: Luigina Romani, Marella Maroder

The microbiota-immune crosstalk in the respiratory tract as a tool for personalized medicine in airborne infections

Claudio Costantini, Perugia

High-throughput serum proteomics and clinical data analysis via supervised learning correlation discovery approaches identifies prognostic biomarkers in SARS-CoV-2 infection

Federica Caponnetto, Udine

Oncostatin M is overexpressed in NASH-related hepatocellular carcinoma and promotes a pro-tumorigenic inflammatory response

Stefania Cannito, Torino

Probiotic Lactobacillus strains attenuate oxysterols-induced alteration of human intestinal epithelium permeability in vitro

Gabriele Serreli, Cagliari

A missing role of a neglected parasite: Leishmania infantum as a novel tool to prevent the NLRP3-derived neuroinflammation in microglia

Estefania Calvo Alvarez, Milano

Friday 23 September 2022

Friday 23 September 2022

- 10.45 - 12.15 **Molecular oncology and precision medicine**
Chairs: Lucia Altucci, Lido Calorini
- Histone lysine demethylase inhibition reprograms prostate cancer metabolism and mechanics**
Rosaria Benedetti, Napoli
- HostP2X7Rdeletionfavoursimmunosuppressionandneovascularization through A2AR upregulation during oncogenesis
Elena De Marchi, Ferrara
- Dissection of ERK5 nuclear translocation using a novel approach for Single Molecule Tracking
Zoe Lombardi, Firenze
- Epigenetic modulation of microRNAs and tumor promoting proteins in breast cancer: Results from the DEDiCa clinical trial
Luca Falzone, Catania
- New insights on the molecular mechanisms driving glioblastoma tumorigenesis
Francesca Bufalieri, Roma
- 12.30 - 14.00 *Lunch break*
- 14.00 - 15.30 **Aging and longevity**
Chairs: Antonio Domenico Procopio, Calogero Caruso
- Biomarkers of inflammaging: from cellular senescence to human age-related diseases**
Fabiola Olivieri, Ancona
- Role of astrocyte senescence in the generation of sex differences in Alzheimer's disease
Sara Ristori, Firenze
- The potential role of inflammaging as modulator for Renal Cell Carcinoma progression
Valeria Catalano, Foggia
- A definite panel of inflammatory neurological markers help diagnosis and follow-up of acute demyelinating encephalomyelitis.
Matteo Furlani, Udine
- DNA methylation dynamics at genes specific level during brain development and in schizophrenia
Mariella Cuomo, Napoli
- 15.45 - 17.15 **Poster rounds: 12 selected posters**
Chairs: Massimiliano Marco Corsi Romanelli, Francesco Curcio, Luigina Romani, Luigi Frati
- The effects of Dental Pulp Stem Cells on Scar Fibroblasts in a co-culture model
Valentina Selleri, Modena e Reggio Emilia
- Essential gene screening and functional characterization identifies new therapeutic targets against endocrine therapy-resistant breast cancer
Giovanni Nassa, Salerno
- Dissecting the pro-tumorigenic role of interleukin (IL)-11 by both transcriptomic analysis of primary breast cancer cells and large-scale in silico investigations
Marianna Talia, Cosenza
- MiR-422a promotes adipogenesis via MeCP2 downregulation in human bone marrow mesenchymal stromal
Angelica Giuliani, Ancona
- Histidine-rich glycoprotein in NASH-related liver carcinogenesis
Beatrice Foglia, Torino
- Alteration level of the MYC acetylation as an epigenetic marker in the diagnosis, prognosis and cancer therapy
Lucia Capasso, Napoli



Friday **23 September 2022**

→ **Poster rounds: 12 selected posters**

Host and microbial Tryptophan metabolic pathways in Cystic fibrosis
Fiorella D'Onofrio, Perugia

PDL-1 modulation by uPA/uPAR system: implications for immune checkpoint inhibitor therapy
Francesca Margheri, Firenze

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

Metainflammation modifies Phosphatidylcholine (PC) and Phosphatidylethanolamine (PE) Ratio in Adipose Tissue and Plasma of Cardiovascular Diseases Patients (CVDs) Promoting Cardiac Remodelling Through NLRP3 Inflammasome
Elena Vianello, Milano

Targeting polyamines/eIF5A /MYC translation strongly reduce colorectal cancer growth in preclinical mouse models
Sonia Coni, Roma

The activation of Jagged1 signaling by chemotherapeutic agents counteracts the Oxaliplatin/5Fluorouracil-mediated anti-cancer effects: a novel mechanism of drug resistance in colon cancer.
Maria Pelullo, Roma

17:30 - 19:30 **SIPMeT member's Assembly and election of Council 2023-2024**

20:30 **Social event: "Get-together Cocktail" at Magazzino Tabacchi, Ancona**

Saturday **24 September 2022**

09.00 - 10.30 **Microbes, inflammation, immunity II**

Chairs: Massimiliano Marco Corsi Romanelli, Sebastiano Andò

Transcriptomic analysis of human circulating monocytes in health and disease
Federica Marchesi, Milano

Efficacy of probiotic *Streptococcus thermophilus* in counteracting TGF-1-induced fibrotic response in human dermal fibroblasts via inhibiting Smad signaling.
Francesca Lombardi, L'Aquila

IL-6 and TNF levels and miRNAs modulation in periodontal disease
Erica Costantini, Chieti

Metabolomics and microbiota alterations in inflammatory bowel diseases: From in vivo to in vitro
Cristina Piras, Cagliari

Anti-fibroblast autoantibodies in IgG4-Related Disease patients
Federico Pratesi, Pisa

10.45 - 12.15

Immuno-oncology

Chairs: Gianluca Canettieri, Ovidio Bussolati

Regulation of innate lymphoid cells by JAK/STAT signaling in inflammation and cancer
Giuseppe Sciumè, Roma

Epigenetic regulation of BCLAF1 splicing mechanism in AML
Giulia Sgueglia, Napoli

Metformin inhibits glioblastoma cell proliferation and spreading by modulation of survivin
Fabiola Cavaliere, Cosenza

Gold nanoparticles and endothelial progenitor cells: a win-win alliance for targeting tumors
Cecilia Anceschi, Firenze

Maximizing Platinum-based chemotherapy in Ovarian Cancer by inhibiting the peptidyl-cis/trans isomerase Pin1
Maria Valeria Giuli, Roma

12.30 - 13.00 **Awards & farewell address**

P001 (Abstract selected for Poster rounds and Award)

METAINFLAMMATION MODIFIES PHOSPHATIDYLCHOLINE (PC) AND PHOSPHATIDYLETHANOLAMINE (PE) RATIO IN ADIPOSE TISSUE AND PLASMA OF CARDIOVASCULAR DISEASES PATIENTS (CVDS) PROMOTING CARDIAC REMODELLING THROUGH NLRP3 INFLAMMASOME

[E. Vianello](#), M. Kalousová, F. Ambrogi, E. Dozio, L. Tacchini, T. Zirma, M.M. Corsi Romanelli

P002

A NOVEL SEVERE FORM OF PEDIATRIC MALIGNANT VENTRICULAR ARRHYTHMIA: THE TRIADIN KNOCK-OUT SYNDROME

S. Sala, [S. Benedetti](#), V.M. Vecchi, M. Spreafico, G. Peretto, A. Villatore, A. Marozzi, A. Pistocchi, C. Di Resta

P003

IDENTIFICATION OF NEW CANDIDATE GENES ASSOCIATED WITH BRUGADA SYNDROME BY WHOLE EXOME SEQUENCING

[S. Benedetti](#), V. Kirpichnikova, A. Santoni, M. Di Giacobbe, G.B. Pipitone, A. Villatore, S. Merella, S. Bonfiglio, P. Carrera, G. Peretto, S. Sala, C. Di Resta

P004

HIF-1 α STABILIZATION REGULATES INFLAMMATION AND PROMOTES REPAIR IN CHRONIC GRANULOMATOUS DISEASE

[G. Renga](#), M. Pariano, C. Stincardini, F. D'Onofrio, M.M. Bellet, C. Costantini, A.L. Goldstein, E. Garaci, L. Romani

P005

USE OF APE1 PROTEIN REDOX INHIBITOR APX2009 IN INFLAMMATORY-BASED INTESTINAL DISEASES

[M. Codrich](#), R. Domenis, A. Cifù, C. Dal Secco, M. Fabris, M. Marino, G. Tell, F. Curcio

P006

PPAR-ALPHA AND PPAR-GAMMA INVOLVEMENT IN GRADE-DEPENDENT LIPID STORAGE OF CLEAR CELL RENAL CELL CARCINOMA CELLS

[S. De Marco](#), B. Torsello, I. Morabito, C. Grasselli, S. Bombelli, I. Cifola, N. Zucchini, R.A. Perego, C. Bianchi

P007

FGFR2C/PKC AXIS AS A PROMISING MOLECULAR TARGET TO COUNTERACT THE MALIGNANT FEATURES IN PANCREATIC DUCTAL ADENOCARCINOMA CELLS

[D. Ranieri](#), D. French, F. Persechino, L. Guttieri, M.R. Torrisi, F. Belleudi

P008

HIGH-THROUGHPUT SERUM PROTEOMICS AND CLINICAL DATA ANALYSIS VIA SUPERVISED LEARNING CORRELATION DISCOVERY APPROACHES IDENTIFIES PROGNOSTIC BIOMARKERS IN SARS-COV-2 INFECTION

[E. Caponnetto](#), A.P. Beltrami, M. De Martino, E. Dalla, M.C. Malfatti, M. Codrich, D. Stefanizzi, M. Fabris, E. Sozio, C.E. Pucillo, L.A. Sechi, C. Tascini, G.L. Foresti, P. Claudio, A. De Nardin, M. Isola, G. Tell, F. Curcio

P009

EXTRACELLULAR VESICLES AS PROGNOSTIC BIOMARKERS IN SARS-COV-2 INFECTION
[D. Stefanizzi](#), F. Caponnetto, F. Martina, E. Sozio, M. Isola, D. Cesselli, F. Curcio, A.P. Beltrami

P010 (Abstract selected for Poster rounds and Award)

INCREASE OF DONOR-DERIVED CELL-FREE DNA (DD-CFDNA) IN CORONARY ALLOGRAFT VASCULOPATHY IN HEART TRANSPLANTED PATIENTS

[M. Bulfoni](#), A. Dralov, V. Ferrara, B. Marcon, F. D'Aurizio, C. Di Nora, C. Nalli, S. Sponga, A.P. Beltrami, F. Curcio, U. Livi

P011 (Abstract selected for Poster rounds and Award)

PDL-1 MODULATION BY UPA/UPAR SYSTEM: IMPLICATIONS FOR IMMUNE CHECKPOINT INHIBITOR THERAPY

[E. Frediani](#), C. Anceschi, F. Scavone, A. Chillà, G. Fibbi, M. Del Rosso, A. Mocali, A. Laurenzana, F. Margheri

P012

CD32 DRIVES AUTOANTIBODY-ENHANCED TROGOCYTOSIS TO FACILITATE HIV-1 INFECTION OF RESTING CD4 T CELLS

[M. Albanese](#), H. Chen, M. Gapp, M. Muenchhoff, H. Hengel, R. Wagner, O.T. Fackler, O.T. Keppler, S. Abrignani, A. Lanzavecchia

P013 (Abstract selected for Oral Communication)

CHOLESTEROL-FREE KETOGENIC DIET FEEDING IMPROVES EXPERIMENTAL NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)

[A. Provera](#), N.N. Ramavath, L.L. Gadipudi, M. Caputo, A. Antonioli, S. Reano, N. Filigheddu, M. Manfredi, S.L. Cocolin, I. Ferrocino, E. Albano, F. Prodram, S. Sutti

P014 (Abstract selected for Oral Communication)

WOUND HEALING OF CYSTIC FIBROSIS EPITHELIUM IS ACCELERATED BY HUMAN MENSENCHYMAL STEM CELLS AND TAILORED CFTR MODULATORS

[V. Daniello](#), O. Laselva, S. Di Gioia, M. Conese

P015

CCRL2 EXPRESSION BY ALVEOLAR CAPILLARY CELLS REGULATES NK CELL LUNG IMMUNE SURVEILLANCE

[M. Laffranchi](#), A. Piserà, A. Migliorini, F. Sozio, T. Schioppa, D. Raimondo, A. Del Prete, S. Sozzani

P016

CHARACTERIZATION OF INFLAMMATORY PARAMETERS OF SICILIAN SEMI AND SUPERCENTENARIANS

[M.E. Ligotti](#), G. Accardi, A. Aiello, A. Calabrò, C. Caruso, G. Candore

P017

EXPLOITING THE POTENTIAL OF SALIVARY LIQUID BIOPSY FOR THE DETECTION OF HPV IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC)

[M. Bulfoni](#), A. Tel, M. De Martino, B. Marcon, B. Krpan, E. Nencioni, M. Isola, C. Pipan, M. Robiony, F. Curcio

P018

REDUCING COLLATERAL TOXICITY OF STANDARD THERAPY IN ACUTE MYELOID LEUKEMIAS BY PRESERVING EPITHELIAL BARRIER FUNCTION

[C. Stincardini](#), M. Pariano, F. D'Onofrio, L. Fianchi, A. Giordano, M.M. Bellet, C. Costantini, L. Pagano, L. Romani, G. Renga

P019

α V β 6-INTEGRIN LIGANDS CONJUGATED WITH NINTEDANIB REDUCE TGF-INDUCED EMT OF HUMAN NON-SMALL CELL LUNG CANCER

E. Andreucci, K. Bugatti, S. Peppicelli, J. Ruzzolini, L. Calorini, L. Battistini, F. Zanardi, A. Sartori, [F. Bianchini](#)

P020 (Abstract selected for Poster rounds and Award)

HOST AND MICROBIAL TRYPTOPHAN METABOLIC PATHWAYS IN CYSTIC FIBROSIS

[F. D'Onofrio](#), G. Renga, M. Pariano, C. Stincardini, M.M. Bellet, C. Costantini, L. Romani

P021 (Abstract selected for Oral Communication)

EPIGENETIC REGULATION OF BCLAF1 SPLICING MECHANISM IN AML

[G. Sgueglia](#), C. Massaro, A. Muro, F. Sarno, M.G. Rots, L. Altucci, C. Dell'Aversana

P022 (Abstract selected for Oral Communication)

PROBIOTIC LACTOBACILLUS STRAINS ATTENUATE OXYSTEROLS-INDUCED ALTERATION OF HUMAN INTESTINAL EPITHELIUM PERMEABILITY IN VITRO

[G. Serrelli](#), E. Casula, M.B. Pisano, M.R. Naitza, S. Zodio, M.P. Melis, M. Deiana

P023

T-CELL-BASED THERAPIES FOR THE TREATMENT OF INVASIVE PULMONARY ASPERGILLOSIS

[M.M. Bellet](#), M. Pariano, G. Renga, F. D'Onofrio, C. Stincardini, C. Costantini, M. Seif, J. Löffler, G. Castellano-Gonzalez, D.J. Gottlieb, R. Luigina

P024

A NEW EMERGING ROLE OF NLRP4 INFLAMMASOME, AS A NEGATIVE REGULATOR OF TBK1, DURING TUMOR PROGRESSION: HIGHLIGHTS ON BREAST CANCER CELL LINES

[G. Poli](#), C. Sugoni, C. Fabi, S. Brancorsini

P025

MODULATION OF NLRP4 AND NAIP INFLAMMASOMES ON T24 AND 5637 CULTURE CELLS, TREATED WITH RESVERATROL, AFTER NITROSATIVE STRESS INDUCTION.

[C. Fabi](#), G. Poli, C. Sugoni, S. Brancorsini

P026

EVALUATION OF THE ALBUMIN QUOTIENT IN PATIENTS WITH SUSPECTED MULTIPLE SCLEROSIS.

[A. Cifu](#), M. Marangone, F. Morassi, N. Blasone, A. Lorenzon, F. Curcio

P027

RADIATION THERAPY-DEPENDENT ORAL MUCOSITIS: HOW THE ORAL DYSBIOSIS MAY PREDISPOSE TO OPPORTUNISTIC FUNGAL INFECTIONS

[G. Mascari](#), L. Brizzi, M. Tenti, G. Ingrosso, A. Fratteggiani, S. Saldi, A. Di Veroli, L. Goracci, G. Cruciani, C. Aristei, T. Zelante

P028

GENE BINDING BY MIR-223 INDUCES FLOTILLIN-1 EXPRESSION AND FUNCTION TO INCREASE RECEPTOR ACTIVITY AND REGULATE MYELOID DIFFERENTIATION.

[M. Billi](#), E. De Marinis, A. Ianni, A. Quattrocchi, M. Gentile, U. Borello, C. Nervi, F. Grignani

P029

DOXORUBICIN-INDUCED SENESCENT FIBROBLASTS PROMOTE IN VITRO TUMOUR CELL GROWTH AND INVASIVENESS. QUERCETIN WORKING AS A SENOLYTIC AGENT REDUCES THESE PRO-TUMORAL EFFECTS.

[E. Bientinesi](#), A. Domestici, S. Ristori, M. Lulli, D. Monti

P030 (Abstract selected for Oral Communication)

IN VITRO EVIDENCE OF ANTIPROLIFERATIVE AND ANTIMIGRATORY EFFECTS OF METFORMIN IN MALE GERM CELL TUMORS

[A. Salatino](#), M. Mirabelli, E. Chiefari, D. Foti, A. Brunetti

P031

METABOLIC REPROGRAMMING OF ANOIKIS RESISTANT MELANOMA CELLS

[S. Peppicelli](#), J. Ruzzolini, E. Andreucci, F. Bianchini, L. Calorini

P032

CYTOTOXIC EFFECT OF SYNTHETIC INHIBITORS OF THE ASPARAGINE TRANSPORTERS ASCT2 AND SNAT5 IN HUMAN ACUTE LYMPHOBLASTIC LEUKAEMIA CELLS

[G. Taurino](#), M. Chiu, M.G. Bianchi, G. Pozzi, C. Maccari, C. Carubbi, R. Andreoli, O. Bussolati

P033

SELECTIVE TARGETING OF REDOX ALTERATIONS IN MEDULLOBLASTOMA TUMORS THROUGH NANOTECHNOLOGY-BASED DELIVERY SYSTEMS

[L. Di Magno](#), F. Rinaldi, C. Marianecchi, M. Carafa, G. Canettieri

P034

TRIGGERING APOPTOSIS IN MUTATED P53 CANCER CELLS: HOPS/TMUB1 AS NEW WEAPON IN CANCER THERAPY

[S. Ferracchiato](#), M. Castelli, N. Di-Iacovo, D. Scopetti, S. Pieroni, D. Piobbico, M.A. Della-Fazia, G. Servillo

P035

ALTERATION LEVEL OF THE MYC ACETYLATION AS AN EPIGENETIC MARKER IN THE DIAGNOSIS, PROGNOSIS AND CANCER THERAPY

[L. Capasso](#), M. Conte, M. Scafuro, V. Sian, V. Carafa, P. Bontempo, L. Altucci, J. Martens, A. Nebbioso

P036 (Abstract selected for Poster rounds and Award)

ALTERATION LEVEL OF THE MYC ACETYLATION AS AN EPIGENETIC MARKER IN THE DIAGNOSIS, PROGNOSIS AND CANCER THERAPY

[L. Capasso](#), M. Conte, M. Scafuro, V. Sian, V. Carafa, P. Bontempo, J. Martens, L. Altucci, A. Nebbioso

P037

ARYL HYDROCARBON RECEPTOR AGONISM ANTAGONIZES THE HYPOXIA-DRIVEN INFLAMMATION IN CYSTIC FIBROSIS

M. Pariano, M. Puccetti, C. Stincardini, V. Napolioni, L. Gatticchi, R. Galarini, G. Renga, C. Barola, M.M. Bellet, F. D'Onofrio, E. Nunzi, M. Ricci, C. Costantini, S. Giovagnoli, L. Romani

P038

HEDGEHOG/GLI-MEK5 AXIS POSITIVELY MODULATES ERK5 ACTIVATION IN MELANOMA

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

P039

EXPLORING A DRUG REPURPOSING APPROACH TO TREAT PANCREATIC DUCTAL ADENOCARCINOMA

E. Ibello, F. Saracino, D. Delle Cave, F. Amoroso, S. Bonaiuto, E. Colonna, E. Lonardo, E.J. Patriarca, G. Minchiotti, C. D'Aniello

P040

ALTERED TLR4 DISTRIBUTION AND DEFECTIVE LPS RESPONSIVENESS IN HUMAN PRIMARY MACROPHAGES PRE-EXPOSED TO AMORPHOUS SILICA NANOPARTICLES

M.G. Bianchi, G. Taurino, M. Chiu, O. Bussolati

P041

3D GASTRULOIDS: AN INNOVATIVE EMBRYO-LIKE STEM CELL MODEL FOR GENETIC AND PHARMACOLOGICAL SCREENING

F. Amoroso, F. Saracino, F. Cermola, E. Ibello, D. De Cesare, C. D'Aniello, E.J. Patriarca, G. Minchiotti

P042

EXPLORING THE ANTICANCER ACTIVITY OF RUTHENIUM COMPLEXES IN MALIGNANT GLIOMA

P. DeL Mestri, D. Alessi, I.G. Rolle, D. Lovison, W. Baratta, A.P. Beltrami, D. Cesselli

P043 (Abstract selected for Poster rounds and Award)

HISTIDINE-RICH GLYCOPROTEIN IN NASH-RELATED LIVER CARCINOGENESIS

F. Beatrice, S. Sutti, S. Cannito, C. Rosso, M. Maggiora, C. Bocca, E. Novo, F. Protopapa, A. Provera, N.N. Ramavath, A. Gambella, E. Bugianesi, F. Tacke, W. Jahnen-Dechent, E. Albano, M. Parola

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OLEOCANTHAL-ENRICHED EVOO EXTRACT FOR A COMPLEMENTARY THERAPY OF RESISTANT GASTRIC CANCER

S. Peri, J. Ruzzolini, G. Versienti, S. Urciuoli, L. Calorini, C. Nediani, L. Magnelli, L. Papucci

P045 (Abstract selected for Oral Communication)

A MISSING ROLE OF A NEGLECTED PARASITE: LEISHMANIA INFANTUM AS A NOVEL TOOL TO PREVENT THE NLRP3-DERIVED NEUROINFLAMMATION IN MICROGLIA

E. Calvo Alvarez, M. Saresella, G. Pepe, F. La Rosa, E. Vegeto, D. Taramelli, M. Clerici, N. Basilico

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THE ROLE OF PCSK9-ENRICHED EXTRACELLULAR VESICLES IN THE PATHOGENESIS OF ATHEROSCLEROSIS.

C. Macchi, M.F. Greco, A. Rizzuto, M. Cafora, C. Banfi, C.R. Sirtori, A. Corsini, A. Pistocchi, N. Ferri, V. Bollati, M. Ruscica

P047 (Abstract selected for Poster rounds and Award)

MIR-422A PROMOTES ADIPOGENESIS VIA MECP2 DOWNREGULATION IN HUMAN BONE MARROW MESENCHYMAL STROMAL

A. Giuliani, J. Sabbatinelli, S. Amatori, L. Graciotti, A. Silvestrini, G. Matakchione, D. Ramini, E. Mensà, C. Giordani, L. Babini, M.G. Bacalini, E. Marinelli Busilacchi, E. Espinosa, A.D. Procopio, F. Olivieri, M. Fanelli, A. Poloni, M.R. Rippon

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GENISTEIN AS A TRIGGER FACTOR OF APOPTOSIS IN CHEMORESISTANT GASTRIC CANCER CELL LINES

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

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A GENE EDITING APPROACH REVEALS THAT MYC IRES SEQUENCE DOES NOT MEDIATE CAP-DEPENDENT TRANSLATION AND RESISTANCE TO STRESS CONDITIONS

R. Bordone, F. Di Pastena, L. Di Magno, D.M. Ivy, S. Coni, G. Canettieri

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ADVANCED THERAPEUTIC MEDICINAL PRODUCTS FOR HYBRIDOMA-BASED TREATMENT OF TRIPLE-NEGATIVE BREAST CANCER

C. Dal Secco, A. Cifu, R. Domenis, A. Barchiesi, M. Moretti, F. Curcio

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IMPACT OF THE COVID-19 PANDEMIC ON THE NUMBER OF CASES OF BLOODSTREAM INFECTIONS AND RELATED RESISTANCES AT THE AZIENDA SANITARIA UNIVERSITARIA FRIULI CENTRALE (ASUFC).

R. Lucis, S. Rossi, M.M. Hazim, M. Brenca, A. Picierno, A. Caragnano, A. Sartor, F. Curcio

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BIOLOGICAL CONDITIONS RELATED TO FRAILTY INFLUENCE THE BEHAVIOR OF RENAL STEM/PROGENITOR CELLS GROWN AS NEPHROSPHERES

S. Bombelli, C. Grasselli, V. Veronesi, C. Tropeano, G. Dominici, S. De Marco, B. Torsello, C. Bianchi, L. Antolini, P. Mazzola, G. Bellelli, V. Leoni, R.A. Peregò

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G. Bronte, L. Calabrò, F. Olivieri, A.D. Procopio, L. Crinò

P054 (Abstract selected for Oral Communication)

ONCOSTATIN M IS OVEREXPRESSED IN NASH-RELATED HEPATOCELLULAR CARCINOMA AND PROMOTES A PRO-TUMORIGENIC INFLAMMATORY RESPONSE

S. Cannito, S. Sutti, B. Foglia, J. Nurcis, C. Turato, M. Maggiora, F. Doto, C. Rosso, P. Carucci, S. Gaia, A. Biasiolo, P. Pontisso, E. Bugianesi, E. Albano, M. Parola

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C. Sanguinetti, M. Minniti, G. Panichella, G. Vergaro, A. Aimò, L. Caponi, A. Paolicchi, M. Emdin, M. Franzini

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EFFECT OF ORTHOSILICIC ACID AND VITAMIN K₂ IN MESENCHYMAL STEM CELLS OSTEOGENIC DIFFERENTIATION IN VITRO: POTENTIAL ROLE IN OSTEOPOROSIS PREVENTION AND TREATMENT.

[C. Giordani](#), G. Maticchione, D. Valli, A. Giuliani, J. Sabbatinelli, F. Olivieri, M.R. Rippon

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MILD EXERCISE MODULATES THE PROTEOMIC PROFILE OF THE AGING GASTROCNEMIUS MUSCLE.

[E.D. Lofaro](#), B. Cisterna, M.A. Lacavalla, M. Manuela, C. Zancanaro, D. Quaglino, F. Boraldi

P058 (Abstract selected for Oral Communication)

PROGNOSTIC VALUE OF SOLUBLE ST₂, HIGH-SENSITIVITY CARDIAC TROPONIN, AND NT-PROBNP IN TYPE 2 DIABETES: A 15-YEAR RETROSPECTIVE STUDY

[J. Sabbatinelli](#), A. Giuliani, A.R. Bonfigli, D. Ramini, G. Maticchione, A.D. Procopio, M. Moretti,

F. Olivieri

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LIVE VERSUS FIXED CELL BASED ASSAYS FOR ANTI-MOG ANTIBODIES DETECTION IN SERUM AND CEREBRO-SPINAL FLUID.

[A. Paradiso](#), R. Domenis, C. Dal Secco, F. Curcio, M. Fabris

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25(OH)VITAMIN D AND PSA SERUM LEVELS: IS THERE A LINK?

[G. D'Aguzzano](#), L. Recchia, R. De Vivo, L. Abbracciavento, A. Morello, S. Garofalo, E. Di Zazzo

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AT THE CROSSROAD OF CANCER-ESCAPE: HOPS/TMUB₁ INVOLVEMENT IN CELLULAR SENESCENCE

[S. Pieroni](#), N. Di-Iacovo, S. Ferracchiato, D. Scopetti, D. Piobbico, M. Castelli, G. Servillo, M.A. Della-Fazia

P062 (Abstract selected for Oral Communication)

GOLD NANOPARTICLES AND ENDOTHELIAL PROGENITOR CELLS: A WIN-WIN ALLIANCE FOR TARGETING TUMORS

[C. Anceschi](#), E. Frediani, F. Scavone, F. Margheri, A. Chillà, F. Ratto, C. Borri, P. Armanetti, C. Chiara, L. Menichetti, M. Del Rosso, G. Fibbi, A. Laurenzana

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KIR AND COVID-19. A PILOT STUDY CONDUCTED ON SICILIAN PATIENTS.

[M.E. Ligotti](#), A. Calabrò, G. Accardi, A. Aiello, C. Caruso, G. Duro, G. Candore

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HUMORAL AND T-CELL RESPONSE TO COVID-19 VACCINE BOOSTER IN PATIENTS WITH AUTOIMMUNE SYSTEMIC DISEASES.

[F. La Gualana](#), S. Lorini, F. Cacciapaglia, S.A. Santini, G. Elia, M. Monti, F. Iannone, A. Tavoni,

A. Antonelli, A.L. Zignego, M. Visentini, L. Gragnani, C. Ferri

P065 (Abstract selected for Oral Communication)

NOVEL MECHANISMS THROUGH WHICH METFORMIN INDUCES INHIBITORY EFFECTS IN PRIMARY BREAST CANCER CELLS

[F. Cirillo](#), D. Scordamaglia, M. Talia, M.F. Santolla, D.C. Rigracciolo, L. Muglia, A. Zicarelli,

S. De Rosis, F. Giordano, A.M. Miglietta, M. Maggiolini, R. Lappano

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IL-8 IS INVOLVED IN THE STIMULATORY ACTION EXERTED BY AGES/RAGE AXIS IN BREAST CANCER MICROENVIRONMENT

[M.F. Santolla](#), M. Talia, F. Cirillo, D. Scordamaglia, S. De Rosis, A. Spinelli, A.M. Miglietta, R. Lappano,

M. Maggiolini

P067 (Abstract selected for Oral Communication)

A NANOPARTICLE-BASED STRATEGY TO OVERCOME MIR-214-DRIVEN DRUG RESISTANCE IN HYPERPIGMENTED MELANOMA CELLS

[E. Andreucci](#), M. Lulli, A. Laurenzana, V. Rizzi, J. Gubitosa, C. Pynalisa, S. Peppicelli, J. Ruzzolini,

F. Bianchini, L. Calorini

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GOLD NANORODS HYPERTHERMIA ENHANCES RADIOSENSITIVITY IN NEAR-INFRARED PHOTOTHERMAL AND X-RAY RADIATION THERAPY

[F. Scavone](#), C. Anceschi, E. Frediani, F. Margheri, A. Chillà, F. Ratto, C. Borri, M. Mangoni, I. Desideri,

L. Giovannelli, M. Del Rosso, G. Fibbi, A. Laurenzana

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REACTIVATION OF A PLACENTAL EPIGENETIC PROGRAM DRIVES INSL4 EXPRESSION IN LUNG CANCER

[D. Scopetti](#), D. Piobbico, N. Di-Iacovo, S. Ferracchiato, S. Pieroni, M. Castelli, M.A. Della-Fazia,

G. Servillo

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PROTEOSTASIS AND CELL CYCLE: HOPS/TMUB₁ MODIFIER IN CONTROLLING PHASE TRANSITION

[N. Di-Iacovo](#), M. Castelli, D. Piobbico, S. Pieroni, S. Ferracchiato, D. Scopetti, M.A. Della-Fazia,

G. Servillo

P071 (Abstract selected for Oral Communication)

DIETARY INTERVENTION AFFECTS SPECIFIC INFLAMMATORY AND METABOLIC BIOMARKERS IN PATIENTS WITH CANCER

[M.F. Di Tolla](#), V. D'Esposito, G. D'Onofrio, A. Riccio, A. Parascandolo, F. D'Alterio, L. Zinna,

M.R. Ambrosio, G. Perruolo, M. Libutti, P. Formisano

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DEFINING CELLULAR AND SOLUBLE COMPONENTS INVOLVED IN BONE MARROW CELL-BASED THERAPY IN PATIENTS WITH CRITICAL LIMB ISCHEMIA

[V. D'Esposito](#), I. Cimmino, F. Schiano Lo Moriello, L. De Vivo, M.F. Di Tolla, S. Cabaro, S. Romano,

F. Arvonio, R. Mancusi, F. Oriente, P. Formisano

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IGG GLYCOSYLATION IN ENZYME-LINKED IMMUNOSORBENT ASSAY SET UP
[V. Susini](#), V. Fierabracci, F. Afrozrad, L. Caponi, S. Ursino, A. Paolicchi, M. Franzini

Po74 (Abstract selected for Oral Communication)

DNA METHYLATION DYNAMICS AT GENES SPECIFIC LEVEL DURING BRAIN DEVELOPMENT AND IN SCHIZOPHRENIA
[M. Cuomo](#), R. Della Monica, D. Costabile, M. Buonaiuto, F. Trio, R. Visconti, L. Chiariotti

Po75

DEFINING THE ROLE OF THE LYSINE METHYLTRANSFERASE SETD8 AS A NOVEL EPIGENETIC TARGET FOR THE THERAPY OF GLIOBLASTOMAS
M. Buonaiuto, L. Chiariotti, D. Costabile, M. Cuomo, [R. Della Monica](#), F. Trio, R. Visconti

Po76

ROLE OF EXTRACELLULAR VESICLES (EVS) IN THE MODULATION OF PRO-TUMORAL SENESCENT FIBROBLAST SECRETORY PHENOTYPE (SASP) BY POLYPHENOLS.
[F. Elena](#), A. Cecilia, S. Francesca, L. Anna, C. Anastasia, G. Lisa, F. Gabriella, D.R. Mario, M. Alessandra, M. Francesca

Po77

EVIDENCE THAT ADIPONECTIN UP-REGULATES E-CADHERIN EXPRESSION IN ER+ BREAST CANCER CELLS, PROMOTING TUMOR GROWTH, PROGRESSION, AND DISTANT METASTASIS
[G.D. Naimo](#), A. Paoli, M. Forestiero, F. Giordano, M.L. Panno, L. Mauro, S. Andò

Po78 (Abstract selected for Poster rounds and Award)

DISSECTING THE PRO-TUMORIGENIC ROLE OF INTERLEUKIN (IL)-11 BY BOTH TRANSCRIPTOMIC ANALYSIS OF PRIMARY BREAST CANCER CELLS AND LARGE-SCALE IN SILICO INVESTIGATIONS
[M. Talia](#), F. Cirillo, M. Pellegrino, D. Scordamaglia, D.C. Rigracciolo, L. Muglia, A. Spinelli, A.M. Miglietta, M. Maggiolini, R. Lappano

Po79

THE ENDOTHELIAL TRANSCRIPTION FACTOR ERG MEDIATES A DIFFERENTIAL ROLE IN THE ASCENDING AORTA, DILATED OR ANEURYSMATIC, WITH BICUSPID OR TRICUSPID AORTA VALVE
[C.R. Balistreri](#), C. Pisano, S. Terriaca, M.G. Scioli, G. Ruvolo, A. Orlandi

Po80 (Abstract selected for Oral Communication)

EFFICACY OF PROBIOTIC STREPTOCOCCUS THERMOPHILUS IN COUNTERACTING TGF-1-INDUCED FIBROTIC RESPONSE IN HUMAN DERMAL FIBROBLASTS VIA INHIBITING SMAD SIGNALING.
[F. Lombardi](#), F.R. Augello, S. Artone, B. Bahiti, M.G. Cifone, P. Palumbo, B. Cinque

Po81

AMOEBOID ANGIOGENESIS: A NOVEL ESCAPE MECHANISM FROM ANGIOGENESIS INHIBITOR THERAPY
[A. Chilla](#), F. Scavone, E. Frediani, C. Anceschi, G. Fibbi, M. Del Rosso, A. Laurenzana, F. Margheri

Po82

MESENCHYMAL STROMAL CELLS SUSTAIN MULTIPLE MYELOMA CELLS GROWTH BY TRADING GLUTAMATE FOR GLUTAMINE
[M. Chiu](#), G. Taurino, E. Griffini, M.G. Bianchi, E. Dander, C. Maccari, R. Andreoli, N. Giuliani, G. D'Amico, O. Bussolati

Po83 (Abstract selected for Poster rounds and Award)

ESSENTIAL GENE SCREENING AND FUNCTIONAL CHARACTERIZATION IDENTIFIES NEW THERAPEUTIC TARGETS AGAINST ENDOCRINE THERAPY-RESISTANT BREAST CANCER
[A. Salvati](#), V. Melone, A. Sellitto, D. Di Rosa, J. Lamberti, D. Memoli, I. Terenzi, F. Rizzo, R. Tarallo, G. Giurato, A. Weisz, G. Nassa

Po84

A QUANTITATIVE STUDY ON PORPHYROMONAS GINGIVALIS ABUNDANCE IN ORAL CAVITY AND THE AMOUNT OF SERUM ANTIBODIES IN NEUROINFLAMMATORY AND/OR NEURODEGENERATIVE DISEASES
[D.L. D'Antonio](#), M. De Rosa, P. Pignatelli, S. Marchetti, R. Mancinelli, S. Fulle, A. Piattelli, M. Onofri, M.C. Curia, R. Franciotti

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EFFECTS OF FUSOBACTERIUM NUCLEATUM ON MIGRATION AND CYTOKINES PRODUCTION OF HUMAN GASTRIC ADENOCARCINOMA AGS CELL LINE
[M.C. Di Marcantonio](#), M. Mazzone, V. Puca, B. Marinacci, G. Nannini, S. Guarnieri, A. Amedei, R. Grande, G. Mincione, R. Muraro

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CYTOTOXIC EFFECT OF 5-AMINOLEVULINIC ACID (5-ALA) IN A NOVEL GEL FORMULATION AND PHOTODYNAMIC THERAPY (PDT) ON ORAL AND PANCREATIC CANCER CELL LINES
[S. Marchetti](#), D.L. D'Antonio, P. Pignatelli, V. Di Giacomo, A. Piattelli, M.C. Curia

Po87

FOXO3 RESTORES ANTIESTROGEN SENSITIVITY THROUGH THE METABOLIC REPROGRAMMING OF TAMOXIFEN RESISTANT BREAST CANCER CELLS
[M. Fava](#), M. Fiorillo, E. Ricci, M. Pellegrino, P. Rizza, M. Lanzino, S. Aquila, D. Sisci, I. Barone, C. Morelli

Po88 (Abstract selected for Oral Communication)

METFORMIN INHIBITS GLIOBLASTOMA CELL PROLIFERATION AND SPREADING BY MODULATION OF SURVIVIN
[F. Cavalliere](#), M. Pellegrino, C. Chiodo, D. Sisci, M. Lanzino, S. Andò, C. Morelli

Po89

LIVE OR HEAT-KILLED PROBIOTIC AEROSOLIZATION DECREASES ADENOMATOUS LUNG CANCER DEVELOPMENT IN A MOUSE CARCINOGEN-INDUCED TUMOR MODEL
[V. Le Noci](#), G. Bernardo, G. Manenti, G. Infante, D. Khaleghi Hashemian, L. Minoli, S. Canesi, F. Bianchi, T. Triulzi, F. Ambrogi, C. Recordati, N. Gagliano, E. Tagliabue, M. Sommariva, L. Sfondrini

Po90 (Abstract selected for Oral Communication)

EFFECTS OF THE INHIBITION OF GLUCOSYLCERAMIDE SYNTHASE IN NSCLC CELL LINES
[S. La Monica](#), K. Eltayeb, C. Fumarola, M. Tiseo, F. Ferlenghi, F. Vacondio, A. Lodola, P.G. Petronini, M. Mor, R. Alfieri

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INVESTIGATION OF FUNCTIONAL ASSOCIATIONS BETWEEN THE ESTROGEN RECEPTOR ALPHA AND ESSENTIAL LNCRNAs IN HORMONE-RESPONSIVE BREAST CANCER.

V. Melone, A. Salvati, G. Pecoraro, N. Brusco, I. Terenzi, D. Palumbo, E. Alexandrova, Y. D'Agostino, F. Rizzo, G. Giurato, G. Nassa, A. Weisz, R. Tarallo

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DEVELOPMENTAL EXPRESSION OF RECEPTORS FOR ANTI-MÜLLERIAN HORMONE, GROWTH HORMONE AND INSULIN-LIKE GROWTH FACTOR 1 IN IMMATURE AND MATURE GNRH NEURONAL CELL LINES AND IN THE MOUSE BRAIN

R. Cannarella, A.J.J. Paganoni, M. Ruzza, R. Oleari, C. Olivieri, R.A. Condorelli, S. La Vignera, F. Tolaj, A. Cariboni, A.E. Calogero, P. Magni

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REGULATION OF INSULIN SECRETION BY DOPAMINE

E. Ferrero, M. Carli, M. Masini, S. Moscato, A. Corti, M. Scarselli, M. Novelli, V. De Tata

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AN UPDATED ANALYSIS OF BRCA1 AND BRCA2 GENE MUTATIONS IN BREAST CANCER PATIENTS FROM EASTERN SICILY

S. Stella, S.R. Vitale, M. Massimino, F. Martorana, G. Pavone, C. Barone, A. Puma, S. Bianca, C. Gorgone, L. Manzella

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DISCOVERY OF NOVEL HUMAN LACTATE DEHYDROGENASE INHIBITORS: STRUCTURE-BASED VIRTUAL SCREENING STUDIES AND BIOLOGICAL ASSESSMENT

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

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POST-TRANSLATIONAL MODIFICATIONS OF NOTCH3 AS A MODUS OPERANDI TO REGULATE ITS PROTEIN ACTIVITY AND STABILITY.

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

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MOLECULAR DISSECTION OF GSK3- β /WIP2 CROSSTALK TO DOWNREGULATE NOTCH3 ACTIVITY IN OVARIAN CANCER

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

P098 (Abstract selected for Poster rounds and Award)

TARGETING POLYAMINES/EIF5A /MYC TRANSLATION STRONGLY REDUCE COLORECTAL CANCER GROWTH IN PRECLINICAL MOUSE MODELS

S. Coni, R. Bordone, S.M. Serrao, Z.N. Yurtsever, V. Licursi, E. Agostinelli, G. Canettieri

P099 (Abstract selected for Oral Communication)

IL-6 AND TNF LEVELS AND MIRNAS MODULATION IN PERIODONTAL DISEASE

E. Costantini, L. Aielli, P. Di Giovanni, B. Sinjari, R. Muraro, S. Caputi, M. Reale

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BIOMOLECULAR CHARACTERIZATION OF SW 872 ADIPOCYTE CELLS: AN EXPERIMENTAL MODEL OF HUMAN ADIPOCYTES

F. Tolaj, C. Olivieri, M. Ruzza, L. Dadalt, P. Magni

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G. Maticchione, M. Cardelli, A. Giuliani, D. Ramini, J. Sabbatinelli, F. Marcheselli, R. Recchioni, F. Marchegiani, F. Piacenza, P. Stripoli, R. Giacconi, M. Provinciali, M. Di Rosa, A.R. Bonfigli, M. Bonafè, L. Fabrizia, F. Olivieri

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IDENTIFICATION OF A CD117+ CD 133- NEURAL STEM CELL POPULATION ENRICHED IN NEURONAL PRECURSOR.

L. Graciotti, T. Spadoni, G. Maticchione, M. Pesaresi, G. Fulgenzi

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IS THERE A TOXIC IMPACT OF COMMERCIAL RUSSIAN CHRYSOTILE ON HUMAN HEALTH? AN IN VITRO STUDY ON HUMAN LUNG CELLS AS A TARGET OF INHALED ASBESTOS FIBRES

S. Vaiasicca, S. Di Valerio, L. Cianfruglia, T. Armeni, F. Marcheggiani, L. Tiano, D. Di Giuseppe, A. Gualtieri, A.D. Procopio, F. Fazioli, G. Bronte, A. Pugnaloni

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SUPPRESSION OF BDNF-TRKB.T1 SIGNALING IN MICE HEART EXACERBATES THE CARDIOTOXIC EFFECT OF DOXORUBICIN LEADING TO HEART FAILURE.

L. Graciotti, F. Tomassoni Ardori, N. Boccella, M. Pesaresi, P. Castaldo, T. Spadoni, M. Federica, G. Fulgenzi

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PROFILING OF IMMUNE-RELATED BIOMARKERS IN MALE AND FEMALE BRCA-ASSOCIATED BREAST CANCERS

V. Silvestri, V. Valentini, A. Bucalo, G. Conti, M. Karimi, I. Zanna, L. Cortesi, D. Calistri, M.G. Tibiletti, G. D'Amati, G. Giannini, D. Palli, L. Ottini

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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, A. Montalti, I. Screpanti, D. Bellavia

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G. Conti, A. Bucalo, V. Valentini, I. Zanna, M.G. Tibiletti, A. Russo, L. Varesco, A. Coppa, D. Calistri, L. Cortesi, A. Viel, B. Bonanni, S. Manoukian, M. Montagna, P. Radice, D. Palli, P. Peterlongo, G. Giannini, V. Silvestri, L. Ottini

P108 (Abstract selected for Oral Communication)

HOST P2X7R DELETION FAVOURS IMMUNOSUPPRESSION AND NEOVASCULARIZATION THROUGH A2AR UPREGULATION DURING ONCOGENESIS

E. De Marchi, A. Pegoraro, R. Turiello, F. Di Virgilio, S. Morello, E. Adinolfi

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C. Duranti, J. Iorio, G. Chioccioli Altadonna, G. Bagni, V. Manganelli, A. Montalbano, M. Lulli, R. Misasi, T. Garofalo, M. Sorice, A. Becchetti, A. Arcangeli

P110 (Abstract selected for Oral Communication)

A DEFINITE PANEL OF INFLAMMATORY NEUROLOGICAL MARKERS HELP DIAGNOSIS AND FOLLOW-UP OF ACUTE DEMYELINATING ENCEPHALOMYELITIS.

M. Furlani, M.E. Morelli, R. Domenis, C. Dal Secco, A. Paradiso, F. Curcio, M. Fabris

P111 (Abstract selected for Oral Communication)

DISSECTION OF ERK5 NUCLEAR TRANSLOCATION USING A NOVEL APPROACH FOR SINGLE MOLECULE TRACKING

Z. Lombardi, L. Gardini, M. Lulli, K. Anatolij, M. Capitanio, E. Rovida

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HIGH BLOOD CONCENTRATION OF CD45-EPCAM+PD-L1- EXTRACELLULAR VESICLES IS ASSOCIATED WITH METASTATIC DISEASE AND POOR SURVIVAL IN PATIENTS WITH PANCREATIC CANCER

D. Brocco, P. Lanuti, P. Simeone, P. Di Marino, M. De Tursi, A. Grassadonia, L. De Lellis, S. Veschi, R. Florio, P. Di Sebastiano, M. Marchisio, S. Miscia, A. Cama, N. Tinari

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A GENE SIGNATURE DERIVED FROM GERMINAL CENTER DARK ZONE ASSOCIATES WITH T CELL DEPLETION IN CANCER

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THE DUAL ROLE OF GLUTATHIONE TRANSFERASE OMEGA 1-1 (GSTO1-1) IN THE SENSITIVITY VS. RESISTANCE OF CANCER CELLS TO ARSENIC TRIOXIDE

S. Piaggi, A. Salvetti, G. Paties Montagner, M. Masini, A. Pompella, A. Corti

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THE CRL3REN/KCTD11/SALL4/HDAC1 AXIS PROMOTES HEDGEHOG-DEPENDENT MEDULLOBLASTOMA THROUGH GLI1 DEACETYLATION

S. Navacci, L. Lospinoso Severini, E. Loricchio, F. Bufalieri, S. Coni, D. Guardavaccaro, G. Canettieri, P. Infante, L. Di Marcotullio

P116 (Abstract selected for Poster rounds and Award)

THE ACTIVATION OF JAGGED1 SIGNALING BY CHEMOTHERAPEUTIC AGENTS COUNTERACTS THE OXALIPLATIN/5FLUOROURACIL- MEDIATED ANTI-CANCER EFFECTS: A NOVEL MECHANISM OF DRUG RESISTANCE IN COLON CANCER.

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