



SIPMeT Young Scientist Meeting

MOLECULAR PATHOLOGY: FROM BENCH TO BEDSIDE

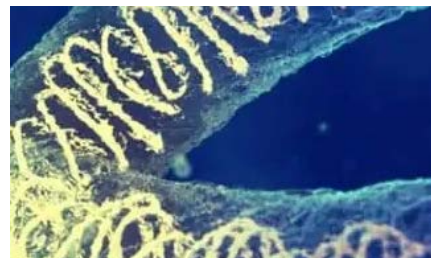
December 10 - 11, 2021

Aula Magna Rettorato, Università degli Studi di Perugia, Perugia



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UNIVERSITÀ DEGLI STUDI
DI PERUGIA



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Under the auspices of:

ASIP - American Society for Investigative Pathology



AMP - Association for Molecular Pathology



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Piazza Paolo Ferrari, 20121 - Milano

Dear colleagues,
dear friends

It is a big honor to host all of you in Perugia for the SIPMeT Young Scientist Meeting 2021.

The University of Perugia is celebrating the 700th Anniversary of the School of Medicine founding, an event that we are pleased to honor with friends of the Pathology's school.

On behalf of myself and the local organizing Committee I wish you a successful meeting and look forward to being soon together in Perugia.

The SIPMeT Vice President
President of the Local
Organizing Committee
Luigina Romani

President Letters

**Dear colleagues, dear friends,
it is with great pleasure that I see
you again in Perugia, a land very
dear to us, in the company of many
young people who have participated
by sending 186 abstracts.**

It is an unprecedented success, especially after two years of silence and no congresses.

I am sure that our young people, who represent the forge of our Pathology schools, will know each other also respecting the distancing rules, we want to use a new application for this event that allows you to download the program and posters of the congress.

It will be a Congress, even close to the Christmas holidays, that will bring us that serene and hopeful soul to see us again together and more and more numerous.

The SIPMeT President
Massimiliano M. Corsi Romanelli

Cane Award

First awarded in 2015, the Cane Award is given in recognition of long-term contributions to pathology, including meritorious research, outstanding teaching, general excellence in the field and leadership in pathology.

2015

PROF. FRANCESCO SAVERIO AMBESI IMPIOBATO, UDINE

2016

PROF. UMBERTO MARIA MARINARI, GENOVA
PROF. LUIGI FRATI, ROMA

2017

PROF. UMBERTO MUSCATELLO, MODENA E REGGIO
PROF. UGO DEL MONTE, MILANO
PROF. VINCENZO MACCHIA, NAPOLI
PROF. ALFREDO SALERNO, PALERMO

2018

PROF. ANGELO MESSINA, CATANIA
PROF. LUIGI MASSIMO SENA, TORINO

2019

PROF. CALOGERO CARUSO, PALERMO

2021

PROF. SEBASTIANO ANDO', COSENZA

Poster Awards

SIPMeT Advisory Board decided to create n. 8 AWARDS of Euro 250 each, for the best abstracts presented from young scientists.

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

Winners should pick up the awards on Saturday 10th December, from 1.30 p.m. to 2 p.m.

Registration

Congress is reserved to SIPMeT members.
Green pass is needed to access the event.

Abstract Book

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

Posters

Posters will be displayed in electronic format only.

All posters will be available through the official Web App (<https://sipmetysm2021.org/poster/>), from 10 to 31 December 2021.

Certificate of Attendance

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



Congress Venue

Aula Magna Rettorato
Università degli Studi di Perugia
Piazza dell'Università, 1 - Perugia
(ingresso da Via F. Innamorati)

Scientific Programme

FRIDAY 10TH DECEMBER 2021

14.00 - 14.30 **Opening ceremony and welcome address**
Welcome address by the local authorities

14.30 - 16.00 **SESSION 1 - Pathophysiology of metabolism**
Chairs: M. M. Corsi Romanelli, E. Albano, F. Curcio

Oral Communications:

Magnesium deficiency and skeletal muscle metabolism: a focus on lipid homeostasis
M. Zocchi, Milano

Immunophenotypic characterization of Sicilian semi and supercentenarian.
M. Ligotti, Palermo

Metabolic reprogramming in osimertinib-resistant NSCLC cell lines
S. La Monica, Parma

G-quadruplex ligand BRACO-19 inhibits G-quadruplex motifs and compromises adipocyte differentiation of adipose-derived mesenchymal stem cells
F. Napolitano, Napoli

Absence of host-P2X7R favours immunosuppression, neovascularization and A2AR expression in the tumor microenvironment
E. De Marchi, Ferrara

Celiac disease and *Candida albicans*: an intriguing relationship
G. Renga, Perugia

16.15 - 17.45

SESSION 2 - Genomic and post-genomic mechanisms of disease*Chairs: A. Procopio, L. Calorini, M. Maroder***Oral Communications:**

The role of NOTCH2 in the extracellular vesicles-mediated angiogenesis and osteoclastogenesis in multiple myeloma

D. Giannandrea, Milano

Post-translational modifications of proteins in extracellular microvesicles in peripheral blood in rheumatoid arthritis

G. Riitano, Roma

Increased blood concentration of extracellular vesicles derived from cancer stem cells predicts poor clinical outcomes in patients with advanced colorectal cancer

D. Brocco, Chieti

A new key to understand gender disparity in melanoma progression: Estrogen receptor beta expression in the acidic microenvironment

S. Peppicelli, Firenze

Up-regulation of cyclooxygenase-2 (COX-2) expression by temozolomide (TMZ) in resistant human glioblastoma (GBM) cells

F. Lombardi, L'Aquila

Epigenetic reprogramming of CatB in Colorectal cancer: a versatile prognostic marker

C. Papulino, Napoli

18.00 - 19.30

SESSION 3 - Microbes, inflammation, immunity*Chairs: L. Romani, E. Alesse, L. Frati***Oral Communications:**

Potential role of CXCL-8 produced by endothelial cells in the establishment of Leishmania infection

S. D'Alessandro, Milano

The circadian control of tryptophan metabolism in infectious diseases

M. Bellet, Perugia

Validation of a saliva-based test for the molecular diagnosis of SARS-CoV-2 infection

M. Bulfoni, Udine

Antibody titers after BNT162b2 mRNA Vaccine administration in patients undergoing immunomodulant therapies, measured with three different serological immunoassays

S. Rossi, Udine

Moving forward tetanus prophylaxis and treatment: two exceptionally potent humAbs are effective in mouse models and ready for clinical trials

M. Pirazzini, Padova

Inducible T-cell Costimulator (ICOS) signal mediates lymphocyte/macrophage interactions during liver repair

*A. Provera, Novara***SATURDAY 11TH DECEMBER 2021**

08.30 - 10.00

SESSION 4 - Molecular mechanisms of cancer onset and progression*Chairs: A. Pompella, S. Andò, S. Brancorsini***Oral Communications:**

Jagged1 Retrograde Signalling Sustained By gamma-Secretase Inhibitors Confers Colorectal Cancer Resistance Against Chemotherapy

M. Pelullo, Roma

The MEK5/ERK5 pathway is a key mediator of the Hedgehog-GLI-dependent cell proliferation in melanoma cells

I. Tusa, Firenze

NF-kB/CES1 axis promotes metabolic adaptation in aggressive colorectal carcinoma

D. Capece, L'Aquila

Extracellular vesicles from leptin-treated MCF-7 breast cancer cells show an enrichment in proteins involved in energetic metabolism

C. Chiodo, Cosenza

RIPK1-targeting in cancer: modulation of programmed cell death process for cancer treatment

L. Della Torre, Napoli

Lifestyle factors affect multiple cytokines in healthy individuals

V. D'Esposito, Napoli

10.15 - 11.45

SESSION 5 - Cancer microenvironment*Chairs: L. Altucci, C. Caruso, G. Canettieri***Oral Communications:**

A Notch inhibitor plus Resveratrol downregulates the CD1/Cdk4 signaling shaping the phenotype of glioblastoma cancer stem-like cells

F. Montalto, Cosenza

Inhibitory effect of LDHA knock-down on metabolic reprogramming and C-MYC/H-RAS driven hepatocellular carcinoma

M. Serra, Cagliari

Renal Cell Carcinoma: Senescence and Peritumoral Microenvironment

F. Spadaccino, Foggia

Antibiotics treatment impairs the growth of murine triple negative mammary tumors by altering the tumor associated microbiota.

V. Le Noci, Milano

Inactivation of the Nijmegen Breakage Syndrome 1 (Nbs1) protein abrogates SHH-dependent medulloblastoma by altering primary cilium dynamics

F. Fabretti, Roma

CNBP is required for locomotor activity in *Drosophila melanogaster* through the translational control of ODC/polyamine axis

S. Coni, Roma

12.00 - 13.30

SESSION 6 - Translational medicine*Chairs: P. Formisano, F. Grignani, G. Servillo***Oral Communications:**

High levels of circulating myeloid derived suppressive-like cells are associated with a lack of benefit from immune checkpoint inhibitors in metastatic non-small cell lung cancer.

G. Bronte, Ancona

IL-33/ST2L Pathway dysregulation promotes cardiac fibrotic remodeling in rat animal model of obesity

C. Sitzia, Milano

Selective sorting into extracellular vesicles of different small RNA species during endothelial cell senescence and high-glucose stress

A. Giuliani, Ancona

Aerobic glycolysis and active citrate secretion are metabolic features of bone marrow mesenchymal stem cells under physiological conditions

G. Taurino, Parma

Lipocalin-2 mediates the synaptotoxic effect exerted by oxysterol-stimulated astrocytes

E. Staurengi, Torino

The neuropeptide Urocortin 2 promotes peripheral nerve regeneration

G. D'Este, Padova

13.30 - 14.00

Awards & Farewell address

Abstracts

P001

GLUTAMINE DEPENDENCY IN COLORECTAL CANCER CELLS: A METABOLOMICS STUDY
M. Spada, V.P. Leoni, G. Serreli, D.V. Frau, F. Murgia, P. Caria, L. Atzori, C. Piras

P002

GADD45B AS A POTENTIAL THERAPEUTIC TARGET IN ACUTE MYELOID LEUKEMIA
D. Verzella, B. Di Francesco, M. Di Vito Nolfi, I. Flati, J. Cornice, D. Vecchiotti, D. Capece, G. Franzoso, E. Alesse, F. Zazzeroni

P003

INHIBITING THE AXIS NF- κ B/GLI1 IN PROSTATE CANCER AS A POTENTIAL THERAPEUTIC STRATEGY
D. Vecchiotti, D. Verzella, M. Di Vito Nolfi, D. D'Andrea, I. Flati, B. Di Francesco, J. Cornice, D. Capece, E. Alesse, F. Zazzeroni

P004

DECODING POST-TRANSLATIONAL MODIFICATIONS OF NOTCH3 INVOLVED IN PROTEIN ACTIVITY AND STABILITY
A. Mancusi, M. Giuli, B. Natiello, I. Screpanti, S. Checquolo

P005

NAT10 INVOLVEMENT IN MYC REGULATION BY EPIGENETIC DRUGS
M. Scafuro, L. Capasso, V. Sian, N. Del Gaudio, P. Bontempo, V. Carafa, L. Altucci, A. Nebbioso

P006

ANTI-INFLAMMATORY EFFECT OF OLIVE LEAF EXTRACT AND ITS ACTIVE COMPOUNDS: A POTENTIAL APPROACH AGAINST COVID-19?
A. Silvestrini, G. Matacchione, M. Oliviero, M. Nardi, A.D. Procopio, A. Procopio, M.R. Rippon

P007

(2S,4R)-4-FLUOROGLUTAMINE IS CONVERTED INTO (2S,4R)-4-FLUOROGLUTAMATE BY GLUTAMINASE ACTIVITY AND MAY BE EXPLOITED AS A PET TRACER IN GLUTAMINE-ADDICTED CANCERS
M. Chiu, D. Toscani, F. Ferlenghi, G. Taurino, A. Sartori, F. Vacondio, F. Zanardi, N. Giuliani, O. Bussolati

P008 (Abstract selected for Oral Presentation)

AEROBIC GLYCOLYSIS AND ACTIVE CITRATE SECRETION ARE METABOLIC FEATURES OF BONE MARROW MESENCHYMAL STEM CELLS UNDER PHYSIOLOGICAL CONDITIONS
G. Taurino, M. Chiu, M.G. Bianchi, R. Deshmukh, E. Dander, G. D'Amico, S. Tardito, O. Bussolati

P009

LEUCOCYTE CELL POPULATION DATA IN SARS COV-2 INFECTED PATIENTS ADMITTED TO A CARDIOLOGY HOSPITAL. CELLULAR ANOMALIES LINKED TO MOLECULAR IMBALANCES
G. Introcaso, A. Bonomi, M. Moreo, C. Frassi, C. Riva, M.L. Biondi

Abstracts

P010

GLABRESCIONE B ENCAPSULATED IN SELF-ASSEMBLING MICELLES INHIBITS TUMOR GROWTH IN PRECLINICAL MODELS OF HEDGEHOG-DEPENDENT MEDULLOBLASTOMA
F. Bufalieri, P. Infante, A. Malfanti, D. Quaglio, S. Balducci, S. De Martin, F. Mastrotto, I. Basili, M. Garofalo, L. Lospinoso Severini, M. Mori, I. Manni, M. Moretti, C. Nicoletti, G. Piaggio, P. Caliceti, B. Botta, F. Ghirga, S. Salmaso, L. Di Marcotullio

P011

WASTE PROTEINS AS A RESOURCE: CROSSTALK BETWEEN EPIGENETIC AND AUTOPHAGY IN RESISTANT BREAST CANCER
E. Passaro, U. Chianese, C. Papulino, A. Toraldo, M. Nicoletti, N. Del Gaudio, L. Altucci, R. Benedetti

P012

ALTERNATIVE SPLICING AND CANCER EPIGENETIC: BCLAF1 ROLE IN COLORECTAL CANCER
E. Safadeh, A. Di Mauro, G. Sgueglia, N. Del Gaudio, A. Nebbioso, L. Altucci, C. Dell'Aversana

P013 (Abstract selected for Oral Presentation)

A NEW KEY TO UNDERSTAND GENDER DISPARITY IN MELANOMA PROGRESSION: ESTROGEN RECEPTOR BETA EXPRESSION IN THE ACIDIC MICROENVIRONMENT
S. Peppicelli, F. Bianchini, J. Ruzzolini, E. Andreucci, L. Calorini

P014

COMBINING CARBONIC ANHYDRASE INHIBITORS AND COBALT-BASED CARBON MONOXIDE RELEASING MOLECULES: DESIGN AND COUNTERACTION OF INFLAMMATION-RELATED DISEASES
S. Carradori

P015

IDENTIFICATION OF NEW GERMLINE ALTERATIONS INVOLVED IN FAMILIAL NON-BRCA BREAST CANCER SUSCEPTIBILITY BY RE-ANALYSIS OF EXOME SEQUENCING DATA
V. Zelli, A. Bianchi, C. Compagnoni, F. Zazzeroni, E. Alesse, A. Di Marco, A. Tessitore

P016

OLEOCANTHAL TO OVERCOME GASTRIC CANCER RESISTANCE: A POSSIBLE NEW COMPLEMENTARY THERAPY
S. Peri, J. Ruzzolini, G. Versienti, S. Peppicelli, E. Andreucci, F. Bianchini, A. Romani, S. Urciuoli, L. Calorini, C. Nediani, L. Magnelli, L. Papucci

P017

BCLAF1 FUNCTIONALIZATION AGAINST RELAPSED/REFRACTORY NEUROBLASTOMA
E. D'Agostino, C. Massaro, G. Sgueglia, V. Fratolillo, A. Muro, G. Lania, M. Capasso, L. Altucci, C. Dell'Aversana

Abstracts

P018

POTENTIAL ROLE OF PHOSPHORYLATED TAU IN FACILITATING CELL CYCLE PROGRESSION IN PROSTATE CANCER CELLS

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

P019

GENE DOSAGE-DEPENDENT EFFECT OF NBS1 INACTIVATION ON SHH-DRIVEN MEDULLOBLASTOMA DEVELOPMENT.

M. Petroni, S. Di Giulio, F. Fabretti, V. Nicolis Di Robilant, V. La Monica, F. Belardinilli, M. Moretti, A. Corsi, E. De Smaele, Z.Q. Wang, S. Pfister, G. Giannini

P020

ANALYSIS OF MOLECULAR TCGA DATA BY USING FEATURE EXTRACTION AND MACHINE LEARNING APPROACHES AIMED AT DISTINGUISHING TUMOR TYPES.

A. Manno, V. Zelli, R.O. Ibraheem, E. Alesse, F. Rossi, C. Arbib, A. Tessitore

P021

NOTCH1 PROTEIN ANALYSIS IN HAILEY - HAILEY DISEASE

A. Zonfrilli, F. Truglio, S. Cialfi, I. Screpanti, C. Talora

P022

HEAD-TO-HEAD COMPARISON OF PHI AND PROCLARIX FOR THE IDENTIFICATION OF CLINICALLY SIGNIFICANT PROSTATE CANCER

A. Liotti, E. La Civita, M. Cennamo, M. Lecce, R. Sirica, F. Crocetto, C. Imbimbo, G. Carbone, P. Formisano, F. Beguinot, D. Terracciano

P023 (Abstract selected for Oral Presentation)

MOVING FORWARD TETANUS PROPHYLAXIS AND TREATMENT: TWO EXCEPTIONALLY POTENT HUMABS ARE EFFECTIVE IN MOUSE MODELS AND READY FOR CLINICAL TRIALS

M. Pirazzini, A. Grinzato, M. Tonellato, S. Barbieri, D. Corti, O. Leka, F. Vallese, C. Silacci-Fregni, L. Piccoli, G. Schiavo, G. Zanotti, A. Lanzavecchia, C. Montecucco

P024

EMT AND DYSREGULATED AUTOPHAGY IN PANCREATIC DUCTAL ADENOCARCINOMA: INVOLVEMENT OF FGFR2 ALTERED SPLICING AND OF PKC ζ DOWNSTREAM SIGNALING.

D. Ranieri, L. Guttieri, S. Raffa, M.R. Torrisi, F. Belleudi

P025 (Abstract selected for Oral Presentation)

NF-KB/CES1 AXIS PROMOTES METABOLIC ADAPTATION IN AGGRESSIVE COLORECTAL CARCINOMA

D. Capece, D. D'Andrea, F. Begalli, L. Goracci, L. Tornatore, J. Alexander, A. Di Veroli, S. Leow, T.S. Vaiyapuri, J.K. Ellis, D. Verzella, J. Bennett, Y. Ma, L. Savino, J. Mckenzie, M.L. Doria, S. Mason, K.R. Chng, H.C. Keun, G. Frost, V. Tergaonkar

Abstracts

P026

HYPERVAIBLE-LOCUS MELTING TYPING (HLMT): A NOVEL, FAST AND INEXPENSIVE APPROACH TO PATHOGEN TYPING. APPLICATION IN A YEAR-LONG REAL TIME NOSOCOMIAL SURVEILLANCE PROGRAM

M. Perini, A. Piazza, S. Papaleo, A. Alvaro, F. Vailati, S. Gaiarsa, F. Saluzzo, A. Kuka, F. Gona, C. Farina, D.M. Cirillo, A. Cavallero, C. Bandi, G.V. Zuccotti, F. Comandatore

P027

CANDIDATE GENE IDENTIFICATION IN BRUGADA SYNDROME BY NEXT GENERATION SEQUENCING

A. Taddei, A. Santoni, S. Sala, L. D'Amico, S. Merella, S. Bonfiglio, A. Villatore, G. Peretto, P. Della Bella, G. Casari, S. Benedetti, C. Di Resta

P028

MECHANISTIC INSIGHT INTO ESTROGEN RECEPTOR VARIANT ER α 6 COOPERATION WITH INSULIN RECEPTOR TOWARD GROWTH AND METASTASIS OF PRIMARY BREAST CANCER CELLS

R. Lappano, F. Cirillo, M. Pellegrino, M. Talia, A.M. Miglietta, E.M. De Francesco, A. Belfiore, M. Maggiolini

P029

COMPUTATIONAL ANALYSIS UNRAVELS GPER-ASSOCIATED NETWORK PREDICTING ADVERSE FEATURES IN ER α -NEGATIVE BREAST CANCER

M. Talia, F. Cirillo, R. Lappano, M. Maggiolini

P030

THE NOVEL ROLE OF PKG IN THE PHOSPHORYLATION AND AGGREGATION PROCESSES OF TAU PROTEIN

G. Montalto, F. Caudano, L. Sturla, S. Bruzzone, A. Salis, G. Damonte, V. Villa, J. Prickaerts, E. Fedele, R. Ricciarelli

P031

ANTIPROLIFERATIVE STRATEGY TO IMPROVE THE OUTCOME OF GLAUCOMA SURGERY

V. Villa, B. Marengo, C. Cutolo, G. Montalto, M.A. Pronzato, M. Iester, R. Ricciarelli

P032

CYCLOSPORINE A INHIBITS SARS-COV-2 VIRAL INFECTION AND RELEASE, AS WELL AS CYTOKINE PRODUCTION IN LUNG CELLS

C. Fenizia, C. Vanetti, S. Galbiati, R. Vago, M. Clerici, C. Tacchetti, T. Daniele

P033 (Abstract selected for Oral Presentation)

ANTIBIOTICS TREATMENT IMPAIRS THE GROWTH OF MURINE TRIPLE NEGATIVE MAMMARY TUMORS BY ALTERING THE TUMOR ASSOCIATED MICROBIOTA.

V.M. Le Noci, E. Ottaviano, G. Bernardo, C. Camisaschi, T. Triulzi, S. Guglielmetti, M. Di Modica, P. Sartori, F. Bianchi, S. Indino, M. Sommariva, E. Borghi, E. Tagliabue, L. Sfondrini

Abstracts

P034

PROTEIN-PROTEIN INTERACTION NETWORK ANALYSIS APPLIED TO DNA COPY NUMBER PROFILING SUGGESTS NEW PERSPECTIVES ON THE AETIOLOGY OF MAYER-ROKITANSKY-KÜSTER-HAUSER SYNDROME: A ROLE FOR PRKX GENE

P. Pontecorvi, F. Megiorni, S. Camero, L. Bernardini, A. Capalbo, S. Ceccarelli, I. Bottillo, N. Preziosi, M. Fabbretti, E. Anastasiadou, G. Gerini, E. Messina, E. Vescarelli, G. Perniola, P. Benedetti Panici, P. Grammatico, A. Pizzuti, C. Marchese

P035

DNMT3A AND DNMT3B TARGETING AS AN EFFECTIVE RADIOSENSITIZING STRATEGY IN EMBRYONAL RHABDOMYOSARCOMA

S. Camero, G. Vitali, P. Pontecorvi, S. Ceccarelli, E. Anastasiadou, S. Pomella, M. Cassandri, R. Rota, F. Marampon, C. Marchese, A. Schiavetti, F. Megiorni

P036

POTENTIAL ROLE OF CASPASE-1 IN THE REGULATION OF 5-LIPOXYGENASE EXPRESSION AND ACTIVITY: AN IN SILICO AND IN VITRO ANALYSIS IN SENESCENT ENDOTHELIAL CELLS

C. Giordani, A. Giuliani, J. Sabbatinelli, E. Laudadio, R. Galeazzi, M.R. Rippo

P037

TARGETING NOTCH3 RECEPTOR TO OVERCOME PLATINUM RESISTANCE IN OVARIAN CANCER

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

P038

THE TRPM8 CALCIUM CHANNEL AS A NEW THERAPEUTIC TARGET IN PROSTATE CANCER.

P. Giovannelli, C. Sorrentino, F. Licitra, M. Di Gisi, G. Gentile, A. Migliaccio, G. Castoria, M. Di Donato

P039

ADIPONECTIN MODULATES STEM CELL ACTIVITY IN HORMONE-RESISTANT BREAST CANCER

M. Forestiero, G.D. Naimo, A. Paoli, F. Giordano, M.L. Panno, L. Mauro, S. Andò

P040 (Abstract selected for Oral Presentation)

HIGH LEVELS OF CIRCULATING MYELOID DERIVED SUPPRESSIVE-LIKE CELLS ARE ASSOCIATED WITH A LACK OF BENEFIT FROM IMMUNE CHECKPOINT INHIBITORS IN METASTATIC NON-SMALL CELL LUNG CANCER.

G. Bronte, S. De Matteis

P041

IDENTIFICATION OF AN EPIGENOMICS SIGNATURE OF ENDOCRINE THERAPY-RESISTANT BREAST CANCER

A. Sellitto, D. Memoli, I. Terenzi, V. Melone, R. Tarallo, G. Nassa, F. Rizzo, G. Giurato, A. Weisz

Abstracts

P042

PARP AND CHK1 INHIBITORS SYNERGIZE IN KILLING MYCN AMPLIFIED NEUROBLASTOMA VIA AN ATM-DEPENDENT PATHWAY

S. Di Giulio, V. Colicchia, F. Pastorino, F. Pedretti, F. Fabretti, V. Nicolis Di Robilant, V. Ramponi, G. Scafetta, M. Moretti, V. Licursi, F. Belardinilli, G. Peruzzi, P. Infante, B.M. Goffredo, A. Coppa, G. Canettieri, A. Bartolazzi, M. Ponzoni, G. Giannini, M. Petroni

P043

SOLUBLE ISOFORM OF ST2 IS A CARDIAC INDUCER OF COLLAGEN DEPOSITION IN AN EX VIVO MODEL OF OBESITY

E. Vianello, C. Copes, E. Dozio, C. Sitzia, E. Galliera, M.M. Corsi Romanelli

P044 (Abstract selected for Oral Presentation)

LIPOCALIN-2 MEDIATES THE SYNAPTOTOXIC EFFECT EXERTED BY OXYSTEROL-STIMULATED ASTROCYTES

E. Staurenghi, V. Cerrato, P. Gamba, G. Testa, S. Giannelli, V. Leoni, C. Caccia, A. Buffo, W. Noble, B.G. Perez-Nievas, G. Leonarduzzi

P045 (Abstract selected for Oral Presentation)

INIBITORY EFFECT OF LDHA KNOCK-DOWN ON METABOLIC REPROGRAMMING AND C-MYC/H-RAS DRIVEN HEPATOCELLULAR CARCINOMA

M. Serra, M. Di Matteo, M. Mazzone, A. Columbano

P046

THE ANDROGEN RECEPTOR/FILAMIN A COMPLEX AS A PLAYMAKER IN STROMAL AND EPITHELIAL PROSTATE CANCER CELLS.

M. Di Donato, P. Giovannelli, G. Galasso, A. Migliaccio, G. Castoria

P047

BIOLOGICAL CONDITIONS RELATED TO FRAILTY AND THEIR EFFECTS ON ADULT RENAL STEM CELLS CULTURED AS NEPHROSPHERES

C. Grasselli, S. Bombelli, S. Eriani, P. Mazzola, M. Bolognesi, F. Rossi, L. Antolini, M. Grasso, N. Zucchini, G. Bellelli, R. Perego

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A. Caddeo, M.A. Kowalik, A. Perra, R. Simona, A. Columbano

P049 (Abstract selected for Oral Presentation)

CELIAC DISEASE AND CANDIDA ALBICANS: AN INTRIGUING RELATIONSHIP

G. Renga, F. D'Onofrio, M. Pariano, I. Santarelli, C. Stincardini, M. Bellet, C. Costantini, L. Romani

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ANDROGEN RECEPTOR: JOY AND PAIN OF PROSTATE CANCER.

A. Monaco, M. Di Donato, G. Galasso, F. Licitra, E. Sabbatino, A. Migliaccio, G. Castoria, P. Giovannelli

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F. Fabris, P. Marco, A. Megighian, O. Rossetto, C. Montecucco

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E. Messina, E. Anastasiadou, C. Marchese, P. Trivedi

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S. De Marco, B. Torsello, S. Bombelli, C. Grasselli, N. Zucchini, G. Lucarelli, R. Perego, C. Bianchi

P054 (Abstract selected for Oral Presentation)

CNBP IS REQUIRED FOR LOCOMOTOR ACTIVITY IN DROSOPHILA MELANOGASTER THROUGH THE TRANSLATIONAL CONTROL OF ODC/POLYAMINE AXIS

S. Coni, M. Marzullo, F.A. Falconio, R. Bordone, E. Agostinelli, G. Canettieri, L. Ciapponi

P055 (Abstract selected for Oral Presentation)

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G. D'Este, M. Stazi, S. Negro, A. Megighian, M. Pirazzini, M. Rigoni

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S. Coni, R. Bordone, S.M. Serrao, L. Di Magno, V. Licursi, E. Agostinelli, G. Canettieri

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M. Grattarola, M.A. Cucci, A. Roetto, C. Dianzani, G. Barrera, S. Pizzimenti

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INTEGRATED ANALYSIS OF DNA METHYLATION AND CYTOKINES PRODUCTION IN MS PATIENTS

E. Costantini, V. Gatta, L. Aielli, F. Serra, F. Konstantinidou, M. Reale

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M.E. Gallo Cantafio, I. Perrotta, D. Tibullo, M. Gentile, A. Neri, G. Viglietto, N. Amodio

P060 (Abstract selected for Oral Presentation)

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A. Provera, N.N. Ramavath, L.L. Gadipudi, L.C. Gigliotti, E. Boggio, C. Bozzola, E. Albano, U. Dianzani, S. Sutti

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

P063 (Abstract selected for Oral Presentation)

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I. Tusa, S. Gagliardi, A. Tubita, S. Pandolfi, A. Menconi, M. Lulli, P. Dello Sbarba, B. Stecca, E. Rovida

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R. Scrimieri, M. Zocchi, L. Locatelli, G. Fedele, A. Cazzaniga

P065 (Abstract selected for Oral Presentation)

MAGNESIUM DEFICIENCY AND SKELETAL MUSCLE METABOLISM: A FOCUS ON LIPID HOMEOSTASIS

M. Zocchi, L. Locatelli, G. Fedele, A. Cazzaniga, R. Scrimieri, V. Tommaso, S. Castiglioni

P066 (Abstract selected for Oral Presentation)

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

P067 (Abstract selected for Oral Presentation)

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C. Papulino, U. Chianese, E. Passaro, A. Di Mauro, A. Toraldo, M.M. Nicoletti, C. Phenix, B. Vigliarolo, S. Di Maro, N. Del Gaudio, L. Primo, L. Altucci, R. Benedetti

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U. Chianese, C. Papulino, E. Passaro, T. De Marchi, E. Niméus, A. Toraldo, M.M. Nicoletti, N. Del Gaudio, N. Iaccarino, L. Altucci, R. Benedetti

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T. Zelante, A. Koladiya, L. Gaetani, S. Vanickova, J. Musil, T. Feglarova, P. Laznickova, C. Azzarà, M. Di Filippo, J. Fric

P070 (Abstract selected for Oral Presentation)

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L. Della Torre, A. Nebbioso, H.G. Stunnenberg, J.H. Martens, L. Altucci, V. Carafa

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M. Di Gisi, M. Di Donato, C. Sorrentino, F. Licitra, P. Giovannelli, G. Castoria, A. Migliaccio, A. Bilancio

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V. Nicolis Di Robilant, F. Fabretti, S. Di Giulio, V. La Monica, F. Belardinilli, M. Augusto, D. Battaglini, M. Moretti, A. Corsi, S. De Panfilis, G. Peruzzi, E. De Smaele, M. Petroni, G. Giannini

P074 (Abstract selected for Oral Presentation)

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F. Fabretti, V. Nicolis Di Robilant, S. Di Giulio, V. La Monica, F. Belardinilli, M. Augusto, D. Battaglini, M. Moretti, A. Corsi, S. De Panfilis, G. Peruzzi, E. De Smaele, M. Petroni, G. Giannini

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MIR-181A-5P, MIR-324-5P, MIR-451A, SMN2 FULL-LENGTH LEVELS AND SMN2 COPY NUMBER: A MOLECULAR SIGNATURE FOR SPINAL MUSCULAR ATROPHY PATIENTS

L. Lospinoso Severini, E. Abiusi, P. Infante, C. Cagnoli, M. Pane, G. Coratti, A. D'Amico, G. Baranello, M. Mora, L. Le Pera, D. Locatelli, C. Bruno, E.S. Bertini, L.O. Morandi, E.M. Mercuri, F.D. Tiziano, L. Di Marcotullio

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E. Bientinesi, M. Becatti, M. Lulli, D. Monti

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A. Aiello, G. Accardi, F. Bono, G. Cammarata, C. Caruso, D. Giovanni, M.E. Ligotti, G. Candore

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G. Serreli, M.R. Naitza, S. Zodio, V.P. Leoni, M. Spada, M.P. Melis, A. Boronat, M. Deiana

P083 (Abstract selected for Oral Presentation)

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M.E. Ligotti, G. Accardi, A. Aiello, G. Candore, C. Caruso, G. Duro, A.M. Corsale, M. Di Simone, F. Dieli, S. Meraviglia

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C. Duranti, J. Iorio, G. Bagni, T. Lottini, E. Lastraioli, C. Capitani, M. Lulli, R. Chandavarkar, A. Arcangeli

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C. Duranti, J. Iorio, R. Misasi, T. Garofalo, M. Sorice, A. Arcangeli, V. Manganelli

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J. Iorio, C. Duranti, S. Coppola, G. Chioccioli Altadonna, G. Bagni, A. Montalbano, M. Lulli, A. Becchetti, A. Arcangeli

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E. Fontana, A. Di Mauro, N. Del Gaudio, S. Cosconati, S. Di Maro, G. Botti, A. Nebbioso, L. Altucci, M. Conte

P089 (Abstract selected for Oral Presentation)

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F. D'Onofrio, G. Renga, M. Pariano, M.M. Bellet, I. Santarelli, C. Stincardini, C. Costantini, L. Romani

P091 (Abstract selected for Oral Presentation)

POST-TRANSLATIONAL MODIFICATIONS OF PROTEINS IN EXTRACELLULAR MICROVESICLES IN PERIPHERAL BLOOD IN RHEUMATOID ARTHRITIS

S. Recalchi, A. Longo, V. Manganelli, C. Barbati, F. Ucci, C. Alessandri, F. Conti, M. Sorice, G. Riitano

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J. Cornice, D. Capece, M. Di Vito Nolfi, M. Di Padova, C. Compagnoni, B. Di Francesco, D. Verzella, D. Vecchiotti, I. Flati, A. Tessitore, E. Alesse, G. Barbato, F. Zazzeroni

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S. Lazzari, E. Pace, M. Firrincieli, N. Zhdanovskaya, L. Tottone, I. Screpanti, R. Palermo

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V. Valentini, V. Silvestri, A. Bucalo, F. Marraffa, S. Grassi, G. Pellacani, L. Ottini, A.G. Richetta

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E. La Civita, A. Liotti, M. Cennamo, L. Conte, R. Sirica, D. Liguoro, F. Crocetto, C. Imbimbo, P. Formisano, F. Beguinot, D. Terracciano

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B. Foglia, S. Sutti, S. Cannito, M. Maggiore, C. Bocca, E. Novo, N.N. Ramavath, C. Rosso, R. Younes, E. Bugianesi, F. Tacke, W. Jahnen-Dechent, E. Albano, M. Parola

P101 (Abstract selected for Oral Presentation)

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J. Ruzzolini, I. Tusa, S. Peppicelli, E. Andreucci, F. Bianchini, S. Urciuoli, A. Romani, A. Gozzini, P. Dello Sbarba, C. Nediani, L. Calorini

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C. Dal Secco, C. Mio, S. Marzinotto, E. Betto, M. Bertoni, C. Bruno, S. Pimpo, E. Sozio, G. Damante, C. Tascini, C. Pipan, F. Curcio

P127 (Abstract selected for Oral Presentation)

IL-33/ST2L PATHWAY DYSREGULATION PROMOTES CARDIAC FIBROTIC REMODELING IN RAT ANIMAL MODEL OF OBESITY

C. Sitzia, E. Vianello, E. Dozio, E. Galliera, L. Massaccesi, L. Tacchini, M.M. Corsi-Romanelli

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E.J. Esposito, F. Avolio, R. Pulcini, A. Di Nardo Di Maio, E. Liberatoscioli, D. Savio, P. Conti, A. Younes, S. Martinotti, E. Toniato

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S. Lorini, L. Gragnani, S. Marri, S. Rattotti, F. Madia, S. Zibellini, M. Monti, U. Basile, M. Libra, L. Arcaini, A.L. Zignego

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A. Pegoraro, E. De Marchi, M. Ferracin, E. Orioli, M. Zanoni, C. Bassi, A. Tesei, M. Capece, E. Dika, M. Negrini, F. Di Virgilio, E. Adinolfi

P133 (Abstract selected for Oral Presentation)

ABSENCE OF HOST-P2X7R FAVOURS IMMUNOSUPPRESSION, NEOVASCULARIZATION AND A2AR EXPRESSION IN THE TUMOR MICROENVIRONMENT

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

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ROLE OF MIR-331-5P IN THE PATHOGENESIS OF THYROID CANCER

F.M. Orlandella, A.E. De Stefano, N. Luciano, K. Pane, M. Franzese, G. Salvatore

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V. D'Esposito, M.F. Di Tolla, M. Lecce, F. Cavalli, M. Libutti, S. Cabaro, S. Romano, M.L. Piscitelli, F. D'Alterio, M. Sansone, P. Formisano

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E. Frediani, F. Scavone, A. Laurenzana, A. Chillà, K. Tortora, I. Cimmino, M. Leri, M. Bucciantini, M. Mangoni, G. Fibbi, M. Del Rosso, A. Mocali, L. Giovannelli, F. Margheri

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

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M. Fava, A. Nigro, M. Greco, A. Comandè, M. Pellegrino, E. Ricci, L. Frattaruolo, L. Pasqua, D. Sisci, A. Leggio, C. Morelli

P146 (Abstract selected for Oral Presentation)

A NOTCH INHIBITOR PLUS RESVERATROL DOWNREGULATES THE CD1/CDK4 SIGNALING SHAPING THE PHENOTYPE OF GLIOBLASTOMA CANCER STEM-LIKE CELLS

F.I. Montalto, F. Giordano, M.L. Panno, F. De Amicis, S. Ando'

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E. Ricci, M. Fava, P. Rizza, M. Pellegrino, D. Sisci, C. Morelli

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V. Cancila, C.R. Balistreri, M. Perrone, B. Belmonte, D. Vacca, L. Scola, E. Tagliabue, C. Chiodoni, T. Claudio, M.P. Colombo

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F. Cavaliere, M. Pellegrino, C. Chiodo, D. Sisci, M. Lanzino, S. Andò, C. Morelli

P151 (Abstract selected for Oral Presentation)

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M. Bulfoni, E. Sozio, B. Marcon, M. De Martino, D. Cesselli, C. De Carlo, R. Martinella, A. Migotti, E. Vania, A. Zanus-Fortes, J. De Piero, E. Nencioni, C. Tascini, M. Isola, F. Curcio

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

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N. Candelise, C. Valle, A. Ferri, R. Misasi

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J. Sabbatinelli, D. Ramini, A. Giuliani, G. Maticchione, C. Giordani, A. Silvestrini, A.D. Procopio, M. Bonafè, F. Olivieri

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P169 (Abstract selected for Oral Presentation)

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M. Bulfoni, V. Ferrara, B. Marcon, A.P. Beltrami, S. Sponga, C. Nalli, C. Di Nora, U. Livi, F. Curcio

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C. De Marco, A. Cerantonio, S. Migliozi, C. Mignogna, D. Malanga, R. Venturella, F. Zullo, G. Viglietto

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P184 (Abstract selected for Oral Presentation)

UP-REGULATION OF CYCLOOXYGENASE-2 (COX-2) EXPRESSION BY TEMOZOLOMIDE (TMZ) IN RESISTANT HUMAN GLIOBLASTOMA (GBM) CELLS

F. Lombardi, F.R. Augello, S. Artone, M. Karoli Gugu, M.G. Cifone, B. Cinque, P. Palumbo

P185 (Abstract selected for Oral Presentation)

RENAL CELL CARCINOMA: SENESCENCE AND PERITUMORAL MICROENVIRONMENT

F. Spadaccino, G.S. Netti, V. Catalano, M. Gigante, G. Castellano, A. Checchia, V. Mancini, G. Carrieri, G. Stallone, E. Ranieri

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ANALYSIS OF THE ANTIBODY RESPONSE AGAINST SARS-COV-2 IN VACCINATED PEOPLE AND IN RECOVERED PATIENTS

F. Avolio, E. Liberatoscioli, E.J. Esposito, A. Di Nardo Di Maio, R. Pulcini, P. Menduni, S. Martinotti, E. Toniato

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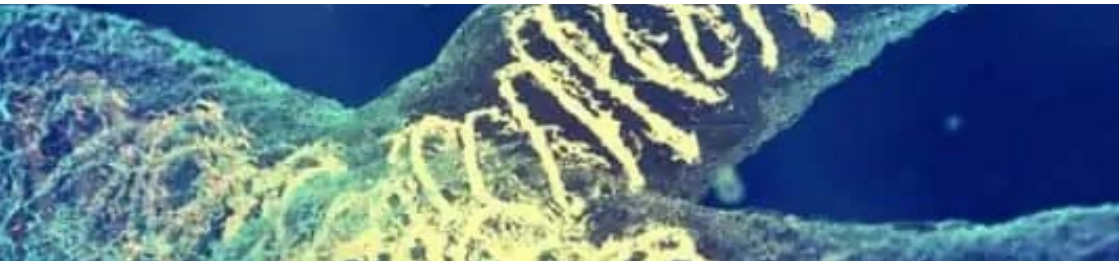
EFFECTS OF BLUEBERRY BIOACTIVE COMPOUNDS IN ORAL SQUAMOUS CARCINOMA CELL LINES

S. Contaldo, M.C. Di Marcantonio, M. Mazzone, J. Sorino, G. Falcone, V. Perotti, S. Carradori, P. Lanuti, R. Muraro, G. Mincione

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