GENERAL PATHOLOGY: THE TRUNK OF THE TREE OF MEDICINE

Parma
22nd - 23rd September 2023
Under the auspices of:

ASIP
American Society for Investigative Pathology

AMP
Association for Molecular Pathology

ASCP
American Society for Clinical Pathology

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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

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 Cocktail Dinner when registering. Ticket is mandatory to attend the social event.
12:30-13:30  Registrations

13:30-14:00  Opening

14.00-15.00  Oncology 1
   Chairs: Gianluca Canetti, 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 Torcasi, 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 1
   Chairs: Raffaela 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

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 THRβ agonist TG68 on cardiac function in a rat NAFLD-associated hepatocarcinogenesis
   Andrea Marco Caddeo, Università degli Studi di Cagliari
   Release of glutathione transferase omega 1-1 (GSTO1-1)-laden exosomes by cancer cells.
   Giulia Paties Montagner, Università di Pisa
   Targeting the NF-κB-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. Procoppio, 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

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/OSMRβ 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/β1 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. Ambrogi, 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. Prosperi, 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. Capassa, 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

P006
Blocking the Hedgehog-dependent tumor growth by a new selective Endoplasmic Reticulum Aminopeptidase 1 inhibitor

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 PHOSPOHELEGANIN DERIVATIVES

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. Zenetti, A. Megghian, 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.

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 BRPF1 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

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. Screpani, A.F. Campese

P015
The mitochondrial fission effector Drp1 is a new therapeutic vulnerability in multiple myeloma
M.E. Gallo Cantafio, R. Torcasi, I. Perrotta, L. Ganino, A. Neri, G. Viglietto, N. Amodio

P016
A novel interplay between polyamines, EIF5A and MYC in colorectal cancer
P017
Novel n-(heterocyclylphenyl)benzenesulfonamide sharing an unreported binding site with TCF-4 at the β-catenin armadillo repeats domain as anticancer agent

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

P022
CCRL2 expression by alveolar capillary endothelial cells controls NK cell homing in lung cancer

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

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. Ciocce, 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

P029
Selective targeting of redox alterations in medulloblastoma tumors through nanotechnology-based delivery systems
L. Di Magno, G. Della Rocca, F. Rinaldi, C. Marianucci, M. Carafa, G. Canettieri

P030
Plasma Transthryretin and Retinol binding protein in cardiac amyloidosis: analytical evaluation of the immunonephelometric method and electrophoretic studies of their pattern

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

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


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

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


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. Troia, L. Coretti, F. Lembo, L. Chiariotti

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

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

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

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

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

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

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

DECIPHERING MOLECULAR LANDSCAPE OF CARDIAC MYXOMA BY MULTI-OmICS


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


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

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

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


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

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

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

M. Bulfoni, A. Draalov, B. Marcon, G. Vesca, F. D’Aurizio, C. Nalli, C. Di Nora, S. Spona, A. Beltrami, U. Livi, F. Curcio

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

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

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

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

F. Del Console, I. Barone, F.M. Accattatis, L. Gelsomino, E. Avolio, S. Andò, D. Bonoglio, 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

P055 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

P057 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

P059 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

P060 Identification of MamI 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

P061 Cellular cYBorgs loadEd with neaR infrared gold Nanoparticles: a new Approach for pancreaTIc malignanCies (CYBERNATIC)
C. Anceschi, J. Ruzzolini, E. Frediani, F. Margheri, A. Chillià, F. Ratto, M. Del Rosso, G. Fibbi, A. Laurenzana

P062 BPIFB4 as a prognostic tool for human frailty

P063 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

P064 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

P065 Retinal and circulating miRNA expression in patients affected by vitreoretinopathy
E. Costantini, L. Aielli, M. Reale, R. D’Aloisio

P066 New strategies for control Programmed Death Ligand-1 endocytosis to improve cancer checkpoint inhibitor therapy
E. Frediani, C. Anceschi, A. Chillià, A. Laurenzana, J. Ruzzolini, G. Fibbi, M. Del Rosso, F. Margheri

P067 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

P068 Exploiting the STING pathway for the therapy of MYCN amplified neuroblastoma

P069 BIPHASIC CHANGES IN GLUTAMINE METABOLISM DURING LPS-DEPENDENT ACTIVATION OF HUMAN MACROPHAGES
G. Taurino, M. Chiu, E. Griffini, O. Bussolati, M.G. Bianchi

P070 Regulation of the Hedgehog pathway by microRNAs targeting the oncosuppressor KCASH2
F. Taj Mir, F. Bordin, E. De Smaele, A. Di Fiore, M. Moretti

P071 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. Cavaleri, B. Vincenzi, G. Tonini, S. Angeletti

P073
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

P074
Impact of an engineered functionalized scaffold in promoting cardiac tissue regeneration in the post-MI rat model

P075
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

P078
Investigation of the biological consequences of prolonged inhibition of cell cycle checkpoint kinases 1 and 2 on genetic instability in acute leukemia cells.

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

P081
Effects of Cerebral Small Vessel Disease (CSVD) patients’ plasma on brain endothelial cells

P082 (Abstract selected for Oral Communication)
Parenchymal renal cell carcinoma (RCC) is associated with occult hepatitis B virus infection (OBI)

P083
Novel insights in the functional interaction between ERBB1 mutant breast cancer cells and fibroblasts

P084 (Abstract selected for Oral Communication)
A Notch-Messenger 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. Dionisio, V. Bollati, R. Chiaramonte

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