

Translational Pathophysiology



Udine



19th - 21st
September
2024



WITH THE PATRONAGE OF



**UNIVERSITÀ
DEGLI STUDI
DI UDINE**

hic sunt futura

UNDER THE AUSPICES OF



STRONGERTOGETHER

WELCOME MESSAGE

The transfer of knowledge from research to the clinic has become increasingly rapid, and more and more methodologies and information are being made available to the clinician and ultimately to the patient to address problems that were hitherto unsolvable or to which unsatisfactory answers were given. To do this, we need a new approach based on system pathophysiology: a framework that requires the integration of clinical sciences, -omics sciences, basic sciences, computer sciences, artificial intelligence, and technologies. It is precisely on these concepts that the idea of Translational Pathophysiology is based, and it is on this that the research challenge of the coming years in the service of health and the Person can be met. It is on this that our society is already committed, and the congress in Udine will allow us to exchange experiences and develop even more the leading role that we have always shown.

Prof. Francesco Curcio

LOCAL ORGANIZING COMMITTEE

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Prof. Calogero Caruso

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Prof. F. Saverio Ambesi
Impiombato
Prof. U. Marinari
Prof. Ovidio Bussolati

19 PROGRAMME September

12.00 - 14.00

Registrations

14.00 - 14.45

Opening ceremony and welcome address

PATHOPHYSIOLOGY 1

Chairs: F. Curcio (Udine), M.M. Corsi Romanelli (Milano)

14.45 - 15.15

Cardiac amyloidosis: a clinical overview F. Bandera, Milano

15.15 - 15.45

Microvascular cell senescence in heart failure A. Beltrami, Udine

Oral Communications:

15.45 - 16.00

Onset and progression of idiopathic pulmonary fibrosis: a role for HLA molecules
G. Zedda, Cagliari

16.00 - 16.15

Primary Liver Cancer-derived organoids for drug screening and disease modelling
S. De Siervi, Pavia

16.15 - 16.30

DNA Methylation-Derived Biological Age and Long-Term Mortality Risk in Subjects with Type 2 Diabetes
A. Giuliani, Ancona

ONCOLOGY 1

Chairs: N. Caccamo (Palermo), R. Muraro (Chieti)

16.30 - 17.00

Molecular Oncology in Clinical Practice: Role of the MTB
M. Milella, Verona

17.00 - 17.30

Advancing Quality in Molecular Pathology: NGS insights
R.J. Baltaro, USA

Oral Communications:

17.30 - 17.45

BCLAF1 Functionalization Against Neuroblastoma
C. Dell'Aversana, Napoli

17.45 - 18.00

MYC Upstream Region Orchestrates Resistance to PI3K Inhibitors in Colorectal Cancer and Burkitt Lymphoma through Autophagic Adaptations
D. M. Ivy, Roma

18.00 - 18.15

Novel molecular mechanisms triggering breast cancer resistance to the cdk4/6 inhibitor palbociclib
R. Lappano, Cosenza

20 PROGRAMME September

IMMUNITY AND MICROBS - META-OMICS 1

Chairs: U. Dianzani (Novara), L. Frati (Roma)

9.00 - 9.30 Sepsis and immunity: the clinical perspective [C. Tascini, Udine](#)
9.30 - 10.00 Inter-kingdom signalling: communication between the microbiota and the host
[L. Romani, Perugia](#)

Oral Communications:

10.00 - 10.15 Co-stimulatory signals mediated by ICOS influence the hepatic expansion of auto-aggressive CD8+ T-cells in NASH
[A. Provera, Novara](#)
10.15 - 10.30 Long pentraxin 3 (PTX3) as a regulator of lymphangiogenesis and lymphogenous dissemination in melanoma
[M. Turati, Brescia](#)
10.30 - 10.45 B7H3 CAR-T-derived Extracellular Vesicles Display Antitumor Activity in Pancreatic Cancer Cells [R. Florio, Chieti](#)

PATHOPHYSIOLOGY 2

Chairs: O. Bussolati (Parma), M. Maggiolini (Cosenza)

10.45 - 11.15 Pathophysiology of AKI to CKD transition: role of Inflammation
[G. Castellano, Milano](#)
11.15 - 11.45 The AGE-RAGE system in chronic kidney disease: role in pathogenesis and usefulness as biomarker [E. Dozio, Milano](#)

Oral Communications:

11.45 - 12.00 In Vivo Effects of Daily Oral Intake of the Endocrine Disruptor Cadmium (Cd) in mice transgenic for the neu oncogene, which spontaneously develop mammary tumors [C. Focaccetti, Roma](#)
12.00 - 12.15 Identification of differentially expressed microRNAs as potential biomarkers in glaucoma: study on in vitro and in vivo glaucoma models [C. Compagnoni, L'Aquila](#)
12.15 - 12.30 Glutamine addiction of multiple myeloma shapes a pro-tumour bone marrow niche [M. Chiu, Parma](#)

12.30 - 14.00 Lunch Break

ONCOLOGY 2

Chairs: L. Altucci (Napoli), G. Canettieri (Roma)

14.00 - 14.30 Emerging therapeutic targets for metastatic colorectal cancer
[A. Sartore-Bianchi, Milano](#)
14.30 - 15.00 Hereditary Breast Cancer Syndromes in the Era of Precision Medicine: Emerging Trends and Clinical Implications
[C. Capalbo, Cosenza](#)

Oral Communications:

15.00 - 15.15 Exploring the Role of PRDM genes in Glioma Pathogenesis and Therapeutic Potential [E. Di Zazzo, Campobasso](#)
15.15 - 15.30 Gold nanoparticles (AuNPs) in the radio-sensitization of glioblastoma cells [C. Pagano, Napoli](#)
15.30 - 15.45 Quercetin exerts a senolytic effect on doxorubicin-induced senescent fibroblasts by reducing autophagy, thereby preventing the pro-tumor effect on osteosarcoma cells
[E. Bientinesi, Firenze](#)

15.45 - 17.30 POSTER ROUND: 12 selected posters

P002

High risk atherosclerotic patients show an enhanced adaptive reconfiguration of Natural Killer cells in response to cytomegalovirus [I. Bonaccorsi, Messina](#)

P018

The long Pentraxin PTX3 serves as an early predictive biomarker of co-infections in COVID-19 [F. Scavello, Milano](#)

P031

Senolytic testing and development at the Geriatric Mouse Clinic
[M. Malavolta, Ancona](#)

P037

Expression analysis of circulating microRNAs for the identification of early diagnostic biomarkers for oral squamous cell carcinoma [V. Porzio, Roma](#)

P060

Unravelling Anti-Inflammatory and Antioxidant Effects of Oleuropein on Immunosenescence and Influenza Vaccine Response in Older Adults [A. Calabrò, Palermo](#)

P123

Application of biological age estimation in different clinical settings: results and future perspectives of a well-established class of promising biomarkers [C. Pirazzini, Bologna](#)

P126

Blockade of PD-L1 endocytosis by uPAR antagonist peptides to improve cancer immunotherapy [E. Frediani, Firenze](#)

P137

Identification of cerebrospinal fluid cytokines expression phenotypes in immune-mediated neurological disorders with focus on multiple sclerosis: application of Machine Learning algorithms [R. Fiorino, Udine](#)

P148

Human Multilineage 3D Spheroids unveil the role of LGALS3 in steatotic liver disease and fibrosis [F. Sedda, Cagliari](#)

P169

In Silico Prediction of BRCA1 and BRCA2 Variants with Conflicting Clinical Interpretation in a Cohort of Breast Cancer Patients

[L. Manzella, Catania](#)

P175

Exploring the Impact of Nanoplastics on the Bone Microenvironment: The Role of Extracellular Vesicle-mediated Communication and Oxidative Stress in Multiple Myeloma.

[L. Casati, Milano](#)

P202

Targeting cancer metabolism: how to turn off oxidative metabolism of ovarian cancer (OC) cells through CES1 inhibition [I. Flati, L'Aquila](#)

17.30 - 18.30 SIPMeT member's Assembly

21 PROGRAMME September

IMMUNITY AND MICROBS - META-OMICS 2

Chairs: [G. Ferlazzo \(Genova\)](#), [L. Romani \(Perugia\)](#)

9.00 - 9.30 B cell repopulation in MS patients treated con ocalizumab: role of microbiota and SCFA [C. Pucillo, Udine](#)

9.30 - 10.00 Epigenetic and transcriptional regulation of innate lymphocytes in health and disease [G. Sciumè, Roma](#)

Oral Communications:

10.00 - 10.15 Involvement of malaria pigment in macrophage polarization: an in vitro model of primary human monocyte-derived macrophages [S. D'Alessandro, Milano](#)

10.15 - 10.30 Involvement of innate lymphocytes in the pathogenic mechanisms of colorectal cancer [D. Badami, Palermo](#)

10.30 - 10.45 Intra-pancreatic adipose tissue, inflammation and islet cell morphometry in overweight/obese non-diabetic and type 2 diabetic subjects [M. Suleiman, Pisa](#)

EMERGING TECHNOLOGIES

Chairs: [S. Andò \(Cosenza\)](#), [C. Pucillo \(Udine\)](#)

10.45 - 11.15 Elevating quality of RUO assays to support the translation of biomarker data from clinical trials to diagnostics: a CAPtivating journey [E. Bogaerts, USA](#)

11.15 - 11.45 Metabolism and Epigenetics: A Bidirectional Crosstalk at the Forefront of Cancer Research [R. Benedetti, Napoli](#)

Oral Communications:

11.45 - 12.00 Microfluidic multi-organ-on-a-chip in translational pathology: a case for Hyperoxaluria [C. Fabi, Perugia](#)

12.00 - 12.15 A multiomics approach to decipher the molecular landscape of cardiac myxoma [E. Alexandrova, Salerno](#)

12.15 - 12.30 In vitro model of liver ischemia/reperfusion injury identifies iRhom2 as a new target of disease [M. Calligaris, Udine](#)

12.30 - 13.00 Awards & farewell address

General Information

POSTER AWARDS

SIPMeT Advisory Board decided to create **9 AWARDS of € 250 each** for the best abstracts submitted by young scientists. Among them:

- 1 award is for research in the oncological field, dedicated to the memory of Prof. Alberto Gulino
- 1 award is dedicated to the memory of dr. Giulia Guarino
- 1 award is dedicated to the memory of dr. Giorgio Giurato
- 1 award, entitled “**Woman in General and Clinical Pathology**”, is provided by Corsi Romanelli Family

One additional award of **€ 500** will be provided by **Ripagec**.

Winners must pick up the awards on Saturday 21st September, from 12.30 p.m. to 1.00 p.m.

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 checking in at the registration desk. The registration desk opens on 19th September, at 12.00.

Catering

SIPMeT is glad to offer a lunch box to all congress delegates on Friday 20th September.

A coffee station will also be available on Thursday 19th September.

Posters

Posters will be displayed in electronic format only. All posters will be available through the official Web App from 19th September to 31st December 2024.

Scan the QR Code to access the Web App



Congress Venue

Università degli Studi di Udine - Biblioteca Rizzi
Via delle Scienze, 206
33100 Udine



Registrations

The Congress is upon registration. Registration is free. The event is reserved to SIPMeT members.

We kindly inform you that it will not be possible to renew the membership onsite.

Social Event

A “Get-together” cocktail dinner will be organized on Friday 20th September, from 19.30, at Prosciutteria IE San Daniele (via Gemona, 17 - San Daniele del Friuli UD). A ticket will be delivered to those participants who booked the Cocktail Dinner when registering.

Ticket is mandatory to attend the social event.

A shuttle bus service will be organized from the Congress Venue.



Abstracts

P001

SARCOPENIA AND INFLAMMAGING; THE EFFECTS OF FUNCTIONAL FOODS FOR PROMOTING HEALTHY AGING
S. Baldassano, L. Di Rosa, S. Vasto

P002 (Abstract selected for Poster Round)

High risk atherosclerotic patients show an enhanced adaptive reconfiguration of Natural Killer cells in response to cytomegalovirus
I. Bonaccorsi, J. Freni, P. Carrega, F. Benedetto, G. Ferlazzo

P003

Identification of SMURF proteins as novel direct regulators of the oncogenic Hedgehog/GLI1 Signaling Pathway
F. Bordin, G. Terriaca, A. Di Fiore, A. Apostolico, F. Taj Mir, S. Bellardinelli, M. Moretti, E. De Smaele

P004

Health Technology Assessment for the introduction of Abbott i-STAT TBI Plasma Technology in the Emergency Departments for the Risk Stratification of the Mild Traumatic Brain Injury.
C. Di Resta, R. Tomaiuolo, G. Banfi, L. With The Collaboration Of Wg Of Cophta Xi

P005 (Abstract selected for Oral Communication)

Novel molecular mechanisms triggering breast cancer resistance to the cdk4/6 inhibitor palbociclib
R. Lappano, M. Talia, F. Cirillo, D. Scordamaglia, A. Zicarelli, M. Di Dio, S. De Rosis, A.M. Miglietta, C. Capalbo, E.M. De Francesco, A. Belfiore, M. Maggiolini

P006

Two novel cancer-associated fibroblasts (CAFs) gene signatures display prognostic values in breast and prostate cancer patients
M. Talia, R. Lappano, F. Cirillo, D.

Scordamaglia, S. De Rosis, M. Di Dio, A. Zicarelli, A.M. Miglietta, C. Capalbo, E. Cesario, M. Maggiolini

P007

Assessment of a gene signature derived from cancer-associated fibroblasts (CAFs) of male breast tumor patients
D. Scordamaglia, M. Talia, R. Lappano, F. Cirillo, S. De Rosis, M. Di Dio, A. Zicarelli, A.M. Miglietta, C. Capalbo, E. Cesario, M. Maggiolini

P008

Role of HSF1 in cholangiocarcinoma
A. Cigliano, I. Gigante, M. Serra, G. Vidili, M.M. Simile, S. Steinmann, F. Urigo, E. Cossu, S. Ribback, G. Giannelli, R.M. Pascale, M. Evert, X. Chen, D.F. Calvisi

P009

Cardiac Col1a2 as a potential earlier hub gene in obesity-induced maladaptive heart remodeling in DIO mice model
E. Vianello, E. Dozio, M. Kalousovà, L. Tacchini, T. Zima, M.M. Corsi Romanelli

P010 (Abstract selected for Oral Communication)

Co-stimulatory signals mediated by ICOS influence the hepatic expansion of auto-aggressive CD8+ T-cells in NASH
A. Provera, C. Vecchio, A.N. Sheferaw, I.S. Stoppa, D. Pantham, F. Christaki, E. Albano, U. Dianzani, S. Sutti

P011

The Role of Interferon-gamma in Autoimmune Polyendocrine Syndrome Type 1
V. Oikonomou, G. Smith, G.M. Constantine, M.M. Schmitt, E.M. Ferré, D. Riley, D. Kumar, L. Dos Santos Dias, J. Pechacek, T. Webb, M. Besnard, B.D. Snarr, S. Deljookorani, C.R. Lee, T. Dimaggio, A.F. Suffredini, M.S. Anderson, M. Swidergall, C. Guillonneau, L.D. Notarangelo, O. Neth, M. Hero, O. Ekwali, K.K. Winer, B. Afzali, N.M.

Moutsopoulos, S.M. Holland, T. Heller, S. Pittaluga, M.S. Lionakis

P012

Definition of a threshold value for the Kappa Index in the diagnosis of multiple sclerosis

M. Marangone, A. Cifù, L. Fornasir, A. Lorenzon, F. Morassi, F. Curcio

P013

Hypoxia-dependent BCR/Abl loss in chronic myeloid leukemia cells is driven by extracellular vesicles release

A. Biagioni, G. Versenti, N. Di Menna, W. Bieniek, G. Menegazzi, S. Peppicelli, P. Nardini, P. Dello Sbarba

P014

NEW REGENERATIVE AND ANTI-AGING MEDICINE APPROACH BASED ON SINGLE STRAND ALPHA-1 COLLAGEN

L. Di Rosa, S. Vasto

P015

Plasma Transthyretin and Retinol binding protein in cardiac amyloidosis: an electrophoretic study of their pattern

V. Musetti, C. Sanguinetti, G. Vergaro, A. Aimò, V. Castiglione, V. Susini, S. Ursino, L. Caponi, M. Emdin, A. Paolicchi, M. Franzini

P016 (Abstract selected for Oral Communication)

BCLAF1 Functionalization Against Neuroblastoma

C. Dell'Aversana, E. D'Agostino, A. Muro, G. Sgueglia, C. Massaro, I. Lettiero, W.L. Megchelenbrink, M. Babaei, M. Bilio, K.O. Henrich, G. Lania, Y.G. Park, M. Morini, M. Capasso, M. Ponzoni, F. Westermann, L. Altucci

P017

Simvastatin and Doxorubicin co-treatment reduces Dox-induced oxidative stress and apoptosis

M.C. Di Marcantonio, M. Mazzone, R. Vitale, S. Marzocco, A. Popolo, B. Pala, R. Muraro, G. Mincione

P018 (Abstract selected for Poster Round)

The long Pentraxin PTX3 serves as an early predictive biomarker of co-infections in COVID-19

F. Scavello, E. Brunetta, S. Mapelli, E. Nappi, I.D. García Martín, M. Sironi, R. Leone, G. Angelotti, S. Solano, H. Zhong, E. Magrini, M. Stravalaci, A. Protti, A. Santini, E. Costantini, V. Savevski, A. Voza, B. Bottazzi, M. Bartoletti, M. Cecconi, A. Mantovani, P. Morelli, F. Tordato, C. Garlanda

P019

Indole-3-aldehyde: the story of a postbiotic from bench to bedside

M. Pariano, M. Puccetti, C. Stincardini, G. Renga, C. Fabi, M.M. Bellet, S. Giovagnoli, M. Ricci, C. Costantini, L. Romani

P020

The bone marrow niche microenvironment governs leukaemia stem cells' stem cell potential and quiescence maintenance

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

P021

The impact of a long-term western diet intervention on the cardiovascular system of sedentary female Long-Evans rats

D. Stefanizzi, G. Almer, H.J. Gruber, K. Sobolewska, G. Carpi, N. Alonso, G. Rodriguez-Blanco, M. Herrmann, F. Curcio, A.P. Beltrami

P022

Targeting of the mitochondrial E3-ligase March5 enhances venetoclax sensitivity of multiple myeloma cells via mitochondrial fusion and OXPHOS impairment

I. Valentino, M.E. Gallo Cantafio, L. Ganino, P. Murfone, I. Coscarella, S. Severini, G. Viglietto, N. Amodio

P023

Acquired resistance to KRASG12C inhibitors via autocrine secretion of stromal proteins in Non-Small Cell Lung Cancer

M. Pagano Mariano, A. Cavazzoni, M. Ferracin, R. Roncarati, R. Minari, M. Tiseo, R. Alfieri

P024

The stearyl-CoA desaturase SCD1 drives ferroptosis resistance in proteasome inhibitor-refractory multiple myeloma

L. Ganino, M.E. Gallo Cantafio, P. Murfone, I. Valentino, R. Torcasio, G. Viglietto, N. Amodio

P025

Pin1 steric hindrance on WWP2 degron site: a novel molecular regulation of Notch3 in Ovarian Cancer

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

P026 (Abstract selected for Oral Communication)

Exploring the Role of PRDM genes in Glioma Pathogenesis and Therapeutic Potential

E. Di Zazzo, M. Rienzo, A. Casamassimi, M.C. Proto, D. Fiore, P. Gazzo, C. Abbondanza

P027

SCREENING OF HIGH-RISK PREGNANCIES FOR DOWN SYNDROME USING QUADRUPLE TEST AT A TERTIARY CARE CENTER OF NEPAL

A. Niraula, V.K. Sharma, E.T. Tuladhar, A. Bhattarai, M. Raut, R.K. Dubey, P.R. Pant

P028

Therapeutic targeting of mitochondrial metabolism by P2X4 receptor inhibition and amino acid restriction in renal carcinoma models.

F. De Nigris

P029

Inhibition of APE1 redox activity as novel strategy for the treatment of inflammatory-based intestinal diseases

M. Codrich, M.C. Malfatti, M. Fabris, M. Marino, G. Tell, F. Curcio

P030

Targeting Pin1 to induce BRCAness phenotype in High-Grade Serous Ovarian Cancer.

M.V. Giuli, B. Natiello, R. Reali, S. Checquolo

P031 (Abstract selected for Poster Round)

Senolytic testing and development at the Geriatric Mouse Clinic

M. Malavolta, S. Marcozzi, M.E. Giuliani, G. Bigossi, G. Lai, F. Boschi, M.C. De Rosa, A. Farsetti, C. Gaetano, A.D. Procopio, F. Olivieri

P032

Study of the microRNA-based mechanism in a Notch3-induced T-ALL model

I. Sergio, C. Varricchio, F. Squillante, N.M. Cantale Aeo, I. Screpanti, A.F. Campese, M.P. Felli

P033

dI922-947 and SAHA: a combinatory therapeutic approach against different aggressive cancers.

G. Castellano, F. Napolitano, C. Bucciero, A.M. Malfitano, C. Zannella, A. Chianese, A. De Filippis, M. Galdiero, G. Portella

P034

Novel circulating biomarkers in HNSCC patients receiving anti-PD1 therapy: the predictive and prognostic role of immunosuppressive CD137+Treg cells and LOX-1+PMN-MDSCs

A. Asquino, A. Cirillo, L. Strigari, A. Pace, C. Napoletano, L. Tuosto, F. Valentino, D. Santini, M. Nuti, A. Botticelli, A. Rughetti, I.G. Zizzari

P035 (Abstract selected for Oral Communication)

MYC Upstream Region Orchestrates Resistance to PI3K Inhibitors in Colorectal Cancer and Burkitt Lymphoma through Autophagic Adaptations

R. Bordone, D.M. Ivy, R. D'Amico, M. Barba, F. Di Pastena, B. Cesaro, A. Fatica, S. Coni, L. Di Magno, G. Canettieri

P036

Matched germline and somatic whole exome sequencing: analysis of male breast cancer patients with multiple primary tumors.

G. Conti, V. Valentini, A. Bucalo, V. Porzio, I. Zanna, D. Calistri, V. Silvestri, L. Ottini

P037 (Abstract selected for Poster Round)

Expression analysis of circulating microRNAs for the identification of early diagnostic biomarkers for oral squamous cell carcinoma
V. Porzio, V. Silvestri, V. Valentini, A. Bucalo, G. Conti, F. Rocchetti, U. Romeo, A. Polimeni, L. Ottini

P038

Exploring Myeloid-Derived Suppressor Cells as target of immunosuppression inhibitor therapy in Notch3-dependent T-Cell Acute Lymphoblastic Leukemia
B. Abdollahzadeh, N.M. Cantale Aeo, M. Basciani, G. Peruzzi, C. Varricchio, I. Sergio, M.P. Felli, A.F. Campese

P039

Unveiling TRIM8 by Exploring its Role as a Mediator of Innate Immune Signaling Modulation in Inflammatory Conditions: a systematic review
J.E. Esposito, R. Pulcini, B. Jawed, S.K. Zakir, R. Kanwal, S. Martinotti, E. Toniato

P040 (Abstract selected for Oral Communication)

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

P041

The MEK5/ERK5 pathway promotes the activation of the Hedgehog/GLI signalling in melanoma cells
I. Tusa, S. Gagliardi, A. Menconi, M. Lulli, B. Stecca, E. Rovida

P042

Presence of Raft Components within Extracellular Vesicles Secreted by Human Fibrosarcoma Cells following Autophagy Triggering
T.R. Caglar, V. Manganelli, G. Riitano, S. Recalchi, E. Fasciolo, T. Garofalo, M. Sorice

P043

Structure-based virtual screening and functional validation of potential inhibitors targeting human lactate dehydrogenase

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

P044

Pre-clinical evidence of CDK4/6 inhibition as a potential therapeutic strategy in Ewing sarcoma
S. La Monica, C. Fumarola, M. Bonelli, G. Digiacomo, M. Galetti, P. Bertolini, P.G. Petronini

P045

ASGR2 and CLEC12A C type lectins: new players in glioblastoma immunosuppressive networks
A. Pace, C. Alfano, L. D'Angelo, I.G. Zizzari, C. Napoletano, A. Santoro, L. Farina, M. Nuti, M. Petti, A. Rughetti

P046

The lysine methyltransferase SETD8 regulates autophagic flux and sensitivity to temozolomide in glioblastoma cells
R. Della Monica, M. Buonaiuto, F. Trio, M. Cuomo, D. Costabile, S. Sorrentino, M. Bifulco, C. Pagano, M. Chiariello, L. Chiariotti, R. Visconti

P047

CIRCULATING MIRNAS IN IDIOPATHIC PULMONARY FIBROSIS: A PILOT STUDY.
G. Bagni, E. Lastraioli, E. Rosi, M. Santillo, A. Breschi, F. Lavorini, A. Arcangeli

P048

Targeting polyamine metabolism/eIF5A-hypusination axis for FAP and colorectal cancer therapy
S. Coni, R. Bordone, D.M. Ivy, Z.N. Yurtsever, L. Di Magno, R. D'Amico, B. Cesaro, A. Fatica, F. Belardinilli, F. Bufalieri, M. Maroder, E. De Smaele, L. Di Marcotullio, G. Giannini, E. Agostinelli, G. Canettieri

P049

Nano-sized vesicles from Brassica oleracea L. (Broccoli) promotes phagocytosis of apoptotic neutrophils by macrophages
S. Di Gioia, L. Lecce, A. Carbone, M.N. Hossain, G. Corso, M. Conese

P050

IL-1 family cytokines and soluble receptors in hidradenitis suppurativa
F. Pratesi, F. Manzo Margiotta, G. Gambino, A. Michelucci, F. Pisani, L. Rossi, V. Dini, M. Romanelli, P. Migliorini

P051

MAML1 over-expression promotes triple-negative breast cancer via Notch1 and Gli1 by inducing Itch/E3 ligase self-ubiquitylation
S. Zema, F. Di Fazio, S. Di Savino, I. Screpanti, D. Bellavia

P052

Glutamine and asparagine dependence of bone-metastatic prostate carcinoma cells under physiological culture conditions
G. Taurino, M. Chiu, C. Ughini, E. Griffini, M.G. Bianchi, O. Bussolati

P053

Correlation between faecal calprotectin levels and gut microbiome profile in healthy subjects from northern Italy
G. Taurino, L. Mancabelli, M.G. Bianchi, C. Ughini, G. Longhi, M. Chiu, F. Turroni, M. Ventura, O. Bussolati

P054

Identification of a relationship between ERK5 and karyopherin α family in melanoma
Y. Sfragano, Z. Lombardi, I. Tusa, E. Rovida

P055

Evidence of Neuroglobin as a positive regulator of autophagy in human neuroblastoma cells
D. Caissutti, E. Montalesi, C. Moliterni, A. Capozzi, A. Longo, V. Manganelli, R. Misasi

P056 (Abstract selected for Oral Communication)

Gold nanoparticles (AuNPs) in the radiosensitization of glioblastoma cells
C. Pagano, L. Coppola, G. Navarra, B. Savarese, M. Moròs, J. Martinez De La Fuente, A. Ambrosone, C. Oliviero, R. Pacelli, C. Laezza, M. Bifulco

P057 (Abstract selected for Oral Communication)

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

P058 (Abstract selected for Oral Communication)

Quercetin exerts a senolytic effect on doxorubicin-induced senescent fibroblasts by reducing autophagy, thereby preventing the pro-tumor effect on osteosarcoma cells
E. Bientinesi, S. Ristori, M. Lulli, D. Monti

P059

Effects of A β oligomers on human astrocytes from healthy subjects and Alzheimer's disease patients
S. Ristori, E. Bientinesi, A. Bigi, D. Monti

P060 (Abstract selected for Poster Round)

Unravelling Anti-Inflammatory and Antioxidant Effects of Oleuropein on Immunosenescence and Influenza Vaccine Response in Older Adults
A. Calabrò, A. Aiello, G. Accardi, M.P. La Manna, R. Zarccone, C. Caruso, N.R. Caccamo, G. Candore

P061 (Abstract selected for Oral Communication)

Onset and progression of idiopathic pulmonary fibrosis: a role for HLA molecules
G. Zedda, M. Serra, R. Littera, S. Deidda, S. Giglio, A. Perra

P062

Role of glutamine and fatty acids in the metabolic reprogramming of anoikis-resistant melanoma cells
S. Peppicelli, T. Kersikla, G. Menegazzi, L. Calorini

P063

Protective role of Shiga toxin 1 in the experimental pathogenesis of Shiga toxin 2-related hemolytic uremic syndrome
E. Varrone, L. Consagra, D. Carnicelli, G. Storci, M. Bonafè, M. Brigotti

P064

A-induced senescence in astrocytes from Alzheimer's disease patients contributes to neuronal death through senescence-associated secretory phenotype (SASP) and metabolic changes
E. Bientinesi, S. Ristori, D. Monti

P065

Macrophage-derived iron in cholangiocarcinoma: effect on tumor growth and microenvironmental features
M. Correnti, E. Gammella, F. Pagni, D. Calvisi, S. Recalcati

P066

HERG1/beta1 integrin complex is involved in tumor progression: Breast, Colorectal and Pancreatic tumor-on-chip models in a microfluidic system
J. Iorio, C. Capitani, C. Duranti, R. Colasurdo, P. Loskill, J. Roos, T.I. Maulana, E. Lastraioli, A. Arcangeli

P067

Effects of N6-isopentenyladenosine (iPA) on M1-polarization of glioma associated microglia in Glioblastoma
L. Coppola, C. Pagano, C. Laezza, M. Bifulco

P068

Harnessing Silver Nanoparticles to Target Breast Cancer: Unveiling P38 MAPK-Driven Cytotoxic Mechanisms in Triple negative and HER2-Positive breast cancer Cell
C. Anceschi, N. Formica, P. Korakianiti, J. Ruzzolini, E. Frediani, A. Chillà, F. Margheri, E. Efthimiadou, A. Laurenzana

P069 (Abstract selected for Oral Communication)

Primary Liver Cancer-derived organoids for drug screening and disease modelling
S. De Siervi, S. Conti Nibali, S. Mantovani, B. Oliviero, M.U. Mondelli, V. Cavalloro, F. Arena, I. Samarati, M. Maggi, S. Collina, M.G. Lolicato, P. Guerra, P. Pontisso, C. Turato

P070

Pro-oxidant activity of fructose in Caco-2 intestinal cell monolayers
G. Serreli, M.P. Melis, E. Loi, M. Deiana

P071

Loss of DDB2-PCNA protein interaction in irradiated cell determines the acquisition of tumor-like phenotype
A. Tricarico, P. Perucca, M. Furfaro, E. Prosperi, O. Cazzalini, L.A. Stivala

P072

MESENCHYMAL STROMAL CELLS TRADE OFF GLUTAMATE FOR GLUTAMINE TO SUSTAIN MULTIPLE MYELOMA CELLS GROWTH
E. Griffini, G. Taurino, M. Bianchi, C. Maccari, R. Andreoli, G. D'Amico, O. Bussolati, M. Chiu

P073

Extracellular vesicles characterization in patients with hypertrophic cardiomyopathy
C. Macchi, A.S. Rizzuto, I. Fichtner, M. Baroni, E. Gnan, A. Pandolfi, S. Paganini, I. Giusti, V. Dolo, A. Corsini, A. Faggiano, M. Calcagnino, M. Ruscica, S. Carugo

P074

Nintedanib-Containing Dual Conjugate Targeting α V β 6 Integrin as antifibrotic agent in a preclinical model of Idiopathic Pulmonary Fibrosis
M. Marchese, G. Bertoni, G. La Regina, K. Bugatti, A. Grandi, E. Ferrini, L. Battistini, J. Ruzzolini, E. Andreucci, S. Peppicelli, F. Stellari, F. Zanardi, A. Sartori, F. Bianchini

P075

Unveiling the HAT4/NAA60 bifunctional Golgi acetyltransferase epigenetic role in leukaemia
F. Donnarumma, G. Favale, M. Caraglia, L. Altucci, V. Carafa

P076

EXPLORING THE EFFECTS OF CULTURE MEDIUM DERIVED FROM HEK293 CELLS EXPRESSING DDB2 PCNA- PROTEIN ON MONOCYTES DIFFERENTIATION
M. Furfaro, P. Perucca, A. Tricarico, O. Cazzalini, L.A. Stivala

P077

Targeting sirtuins as weapon to shutdown NLRP3-inflammasome in leukemia
G. Favale, F. Donnarumma, L. Altucci, V. Carafa

P078

A NEW VASCULARIZATION STRATEGY FOR REGENERATIVE NANOMEDICINE: DUAL STEM CELL-BASED THERAPY STRENGTHENED BY PROANGIOGENIC GOLD NANOPARTICLE DELIVERY
A. Marzoppi, E. Frediani, C. Anceschi, J. Ruzzolini, A. Baldi, F. Margheri, A. Laurenzana, A. Chillà

P079

Macrophage Polarization and Prognostic Implications in Glioblastoma
E. Belcastro, C. Scatena, L. Beldramme, F. Pasqualetti, N. Montemurro, A.G. Naccarato, G.N. Fanelli

P080

Glutathione transferase omega 1-1 (GSTO1-1) promotes the resistance of cancer cells to Topotecan by modulating the apoptosis/resistance balance.
A. Corti, G. Paties Montagner, S. Piaggi, A. Pompella

P081

MicroRNA as a promising molecular biomarker for liquid biopsy in breast cancer
G. Vesca, S. Bisetto, B. Serena, C. Cedolini, C. Di Loreto, M. Bulfoni, D. Cesselli

P082

TrkAIII promotes PD-L1 expression in SH-SY5Y neuroblastoma cells.
M. Scaffone, L.A. Cappabianca, I. Martelli, V. Zelli, A.R. Farina, A.R. Mackay

P083

A TaqMan-based qRT-PCR assay for detecting TrkAIII expression in tumor tissue RNAs
I. Martelli, V. Zelli, M. Scaffone, A.R. Mackay, A.R. Farina, L.A.M. Cappabianca

P084

Antibiotic aerosolization perturbs the tumor-associated microbiota in the lung and increases immunotherapy efficacy by triggering T memory stem cells
V. Le Noci, C. Heuser-Loy, G. Bernardo, N. Strieder, E. Ottaviano, G. Gargari, E. Montanari, E. Borghi, S. Guglielmetti, E. Tagliabue, S.M. Pupa, L. Gattinoni, M. Sommariva, S. Lucia

P085

THE ROLE OF NEW RESEARCH PARAMETERS OF THE BC 6800 PLUS ANALYZER IN THE DIFFERENTIAL DIAGNOSIS OF LYMPHOID NEOPLASMS.
S. Sacchetti, D. Ferrante, L. Giacomini, V. Zanotti, M. Bellia, A. Patriarca, U. Dianzani, G. Gaidano, R. Rolla

P086

Comparative analysis of the performance of automated digital cell morphology analyzers for leukocyte differentiation in hematologic malignancies: Mindray MC-80 versus West Medical Hema Vision
S. Sacchetti, M. Bellia, M. Vidali, L. Giacomini, V. Zanotti, E. Garavaglia, F. Tolomeo, A. Patriarca, U. Dianzani, G. Gaidano, R. Rolla

P087

Indoor air pollution, inflammation and peripheral blood mononuclear cells mitochondrial activity
C. Macchi, A. Carandina, I. Fichtner, A.S. Rizzuto, M. Bonzini, B. Arosio, N. Montano, A. Pezzotta, A. Pistocchi, E. Tobaldini, M. Ruscica

P088

TXNIP mediates FoxO3a anticancer activity in Tamoxifen resistant breast cancer
M. Fava, E. Ricci, C. Longobucco, B. Simões, R. Clarke, M. Lanzino, C. Giordano, D. Bonofiglio, S. Catalano, D. Sisci, I. Barone, C. Morelli

P089

Impact of Circulating Extracellular Vesicles Derived from Obese Women on Neoplastic Transformation of Normal Mammary Epithelial Cells.
P. Del Console, I. Barone, F.M. Accattatis, L. Gelsomino, E. Avolio, S. Andò, D. Bonofiglio, C. Giordano, S. Catalano

P090

New Insights in Pancreatic Cancer development: A novel tumorigenic role for Jagged1 in PDAC tumour.
F. Di Fazio, S. Zema, S. Di Savino, I. Screpanti, D. Bellavia

P091 (Abstract selected for Oral Communication)

DNA Methylation-Derived Biological Age and Long-Term Mortality Risk in Subjects with Type 2 Diabetes

A. Giuliani, J. Sabbatinelli, K.M. Kwiatkowska, G. Maticchione, A. Belloni, D. Ramini, A.D. Procopio, P. Garagnani, G. Bronte, F. Olivieri

P092

DIFFERENTIAL REGULATION OF WINGLESS-WNT/C-JUN N-TERMINAL KINASE CROSS-TALK VIA OXIDATIVE EUSTRESS IN PRIMARY AND METASTATIC COLORECTAL CANCER CELLS

G.M. Aceto, S. Pagotto, F.D. Del Pizzo, C. Saoca, F. Selvaggi, R. Visone, R. Cotellese, M. Aguenouz, R. Lattanzio, C. Teresa

P093

PATHOPHYSIOLOGICAL ASPECTS OF LIVER DAMAGE IN PREGNANT RATS UNDER EXPOSURE TO ADVERSE EXOGENOUS FACTORS

M. Kuznetsova, V. Bibichenko, I. Kuznetsova, K. Kuznetsov, M. Kovaltsova

P094

EVIDENCE THAT Y537S MUTANT BC CELLS MAY CONVERT NFs INTO CAFs IN TUMOR MICROENVIRONMENT

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

P095

The role of pathophysiology in modern medical education

M. Kuznetsova, V. Bibichenko, K. Kuznetsov, I. Kuznetsova, M. Kovaltsova

P096

CBX6 role in Glioblastoma multiforme
A. Muro, G. Sgueglia, I. Lettiero, E. D'Agostino, N. Simonelli, A. Beato, N. Del Gaudio, V. Carafa, M. Babaei, M. Mohammadi, W.L. Megchelenbrink, C. Dell'Aversana, L. Altucci

P097

Circulating EV-MicroRNAs in Metastatic Melanoma as non-invasive biomarkers for diagnosis and treatment response

E. Splendiani, C. Sabato, T.M.R. NovIELLO, A. Covre, S. Coral, S. Cassandro, C. Francesca Pia, B. Zein Mersini, L. Masuelli, C. Battistelli, A. Vacca, G. Catanzaro, A. Po, A. Anichini, M. Maio, M. Ceccarelli, A.M. Di Giacomo, E. Ferretti

P098

Study of Circulating MicroRNAs as biomarkers for guided Immunotherapy in Head and Neck carcinoma patients: A tool for personalized medicine

T.M. Autilio, A. Cirillo, Z.M. Besharat, S. Trocchianesi, I.G. Zizzari, A. Rughetti, D. Santini, A. Botticelli, F. Elisabetta

P099

ERK5 inhibition modulates EGFR expression and localization generating new targeting opportunities in hepatocellular carcinoma

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

P100

Immunophenotypic characterization of the cell infiltrates in chronic subdural hematoma: a pilot study on new pathophysiological and translational aspects

E. Ciaglia, M. De Simone, V. Lopardo, C. Basile, F. Montella, G. Torelli, C. Maglio, R. Longo, G. Iaconetta, A.A. Puca

P101 (Abstract selected for Oral Communication)

Involvement of malaria pigment in macrophage polarization: an in vitro model of primary human monocyte-derived macrophages

S. D'Alessandro, S. Parapini, F. Perego, P. Misiano, S. Ghezzi, E. Vincenzi, G. Poli, D. Taramelli, N. Basilico

P102 (Abstract selected for Oral Communication)

In vitro model of liver ischemia/reperfusion injury identifies iRhom2 as a new target of disease

M. Calligaris, R. Perriera, A.P. Beltrami, S.D. Scilabra, G. Zito

P103

Simultaneous Inhibition of EGFR, Axl and FAK/Wnt Signaling Pathways With Drug Combinations in Malignant Mesothelioma
M. Benvenuto, M. Grande, E. Leti Maggio, V. Lucarini, C. Focaccetti, D. Nardozi, V. Angiolini, C. Palumbo, L. Cifaldi, L. Masuelli, R. Bei

P104

Antitumor effect of combination of erbb receptors, axl and fak inhibitors in 2d and 3d head and neck cancer models

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

P105

Effects of administration of bisphenol-A in drinking water in male mice transgenic for the neu oncogene, which spontaneously develop salivary gland adenocarcinoma
D. Nardozi, C. Focaccetti, M. Benvenuto, R. Carrano, V. Lucarini, V. Angiolini, C. Palumbo, L. Cifaldi, L. Masuelli, R. Bei

P106

NTF rescue retina degeneration in DBA/2J mice

D. Vecchiotti, M. Di Vito Nolfi, C. Compagnoni, M. Miscione, I. Flati, D. Verzella, D. Capece, A. Tessitore, A. Angelucci, E. Alesse, F. Zazzeroni

P107 (Abstract selected for Oral Communication)

In Vivo Effects of Daily Oral Intake of the Endocrine Disruptor Cadmium (Cd) in mice transgenic for the neu oncogene, which spontaneously develop mammary tumors

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

P108

Epicardial Adipose Tissue in Type 2 Diabetes: A Modifiable Risk Factor for Cardiovascular Complications

S. Cabaro, G. Ferraro, S. Romano, V. Parisi, R. De Martino, V. D'Esposito, M.F. Di Tolla, L. Zinna, G. Comentale, D. Leosco, F. Beguinot, P. Formisano

P109

Evaluating the role of TERRA levels in Peripheral Blood Mononuclear Cells as a Prognostic Biomarker in Elderly Colorectal Cancer Patients

J. Lidonnici, M. Morello, M.R. Petrarà, E. Ruffoni, F. Bergamo, S. Lonardi, S. Indraccolo, A. De Rossi, S. Giunco

P110

Creation of a Gastric Cancer Organoid Culture Collection for the Study of Chemoresistance and Targeted Therapy

S. Peri, C. Anceschi, G. Versienti, E. Andreucci, A. Biagioni, L. Antonuzzo, F. Cianchi, L. Magnelli, A. Laurenzana, L. Papucci

P111

Adipocyte-Released FABP4 Enhances Renal Cancer Cell Motility

E. La Civita, R. Sirica, G. Gravano, G. Auriemma, G. Pinto, A. Guastaferro, L. Musella, T. Delle Cave, R. Sansone, M. Ferro, F. Crocetto, G. Lucarelli, F. Beguinot, D. Terracciano, P. Formisano

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Impact of chronotype on inflammatory markers and clock gene expression in adipose tissue of severely obese subjects
L. Zinna, M.F. Di Tolla, L. Verde, A. Parascandolo, F. D'Alterio, M. Longo, S. Cabaro, G. Basso, C. Morelli, G. Muscogiuri, V. D'Esposito, P. Formisano

P113

Combined low-dose treatment with IFN- γ /TNF- α renders breast cancer cells more susceptible to Natural Killer cell-mediated killing.

L. Cifaldi, F. Barberini, S. Ielpo, M. Benvenuto, C. Focaccetti, O. Melaiu, C. Palumbo, L. Masuelli, R. Bei

P114

SARS-CoV-2 envelope protein acts as membrane-associated ion channel protein and intracellular modulator of calcium content: relevance for human cell cycle progression and pluripotency
C. Sala, A. Ninu, A. Montalbano, V. Balducci, T. Lottini, M. Martinelli, M. Lulli, L. Sartiani, E. Cerbai, A. Arcangeli

P115
INVESTIGATING THE REGENERATION COMPETENCE OF PERIPHERAL MOTOR NEURONS IN ALS
S. Negro, G. D'Este, C. Baggio, G. Zanetti, A. Bertoli, M. Massimino, A. Megighian, C. Montecucco, M. Rigoni, M. Pirazzini

P116
Cytokines from Spike-activated macrophages hinder proliferation and cause cell dysfunction in endothelial cells
G. Recchia Luciani, A. Barilli, R. Visigalli, B.M. Rotoli, V. Dall'Asta

P117
Investigating EphA2 dynamics in chemotherapy-treated colorectal patient-derived organoids
M. Cioce, V. Gatti, A. Marra, E. Farroni, G. Laterza, V. Piccioni, A. Taggiasco, M. Caricato, V.M. Fazio

P118
Exploring Notch3 expression in different grade hepatocellular carcinomas and its interplay with KDM2A
I. De Giorgi, T. Caruso, M.C. Scavuzzo, S. Piaggi, G. Paties Montagner, P. Faviana, F. Bartoli, R. Del Frate, V. Carloni, A. Corti, G. Cavallini, L. Gragnani

P119
New precursors of the HIV protease inhibitors exert anti-tumor activity against hematologic cancers by modulating mitochondrial activity and autophagy
M. Mecca, M. Sichetti, E. La Spina, M. Giuseffi, E. Giglio, S. Picerno, M. Funicello, A. Romano, L. Chiummiento, A. Giordano, S. Cortellino

P120
Repurposed drug candidates mebendazole and nitroxoline in combination exert antiproliferative effects in pancreatic cancer cells
R. Florio, S. Veschi, A. Piro, F. D'Ascanio, P. Lanuti, A. Cama, L. De Lellis

P121
Anti-cN1A in the real life: is it truly a myositis specific antibody?
F. Ellero, E. Treppo, L. Quartuccio, M. Fabris

P122
HOPS/TMUB1 in mitotic regulation: insights into its role in cell division and oncogenesis
N. Di-Iacovo, M. Castelli, D. Piobbico, S. Pieroni, S. Damiano, L. Pierucci, D. Chiasserini, M.A. Della-Fazia, G. Servillo

P123 (Abstract selected for Poster Round)
APPLICATION OF BIOLOGICAL AGE ESTIMATION IN DIFFERENT CLINICAL SETTINGS: RESULTS AND FUTURE PERSPECTIVES OF A WELL-ESTABLISHED CLASS OF PROMISING BIOMARKERS
C. Pirazzini, P. Garagnani, K.M. Kwiatkowska, M. Ursi, F. De Felice, F. Iannotta, F. Barbato, G. Storci, M.G. Bacalini, F. Ferraresi, F. Ravaoli, F. Bonifazi, M. Bonafè

P124
INSL4 expression reveals an oncoexapted transcriptional program in LUAD targetable by epigenetic molecules
D. Scopetti, N. Di-Iacovo, D. Chiasserini, M. Castelli, L. Pierucci, S. Pieroni, D. Piobbico, G. Giannini, M.A. Della-Fazia, G. Servillo

P125
ACTIVATED HUMAN MACROPHAGES ARE POTENTIAL GLUTAMINE SUPPLIERS FOR CD8+ T-CELLS
M. Bianchi, G. Taurino, M. Chiu, E. Griffini, M. Ventura, F. Turrone, G. Longhi, O. Bussolati

P126 (Abstract selected for Poster Round)
Blockade of PD-L1 endocytosis by uPAR antagonist peptides to improve cancer immunotherapy
E. Frediani, C. Anceschi, A. Chillà, J. Ruzzolini, A. Marzoppi, A. Baldi, G. Fibbi, M. Del Rosso, F. Margheri

P127
CD103+ Natural Killer cells distinctively infiltrate the tumoral epithelium of human lung cancer
P. Orecchia, A. Gaeini, M. Mora, E. Munari, M. Parodi, M. Vitale, S. Sulis Sato, F. Loiacono, C. Genova, D. Campanella, V. Fontana, G. Ferlazzo, P. Carrega

P128
Optimization of a gene panel for the stratification of triple-negative breast cancers (TNBC)
M. Bulfoni, G. Vesca, B. Marcon, D. Cesselli, F. Curcio, C. Di Loreto

P129
Advancing Chronic Venous Ulcer Treatment: Insights from RNA Sequencing in Autologous Blood Therapy
M. Bulfoni, M. Orsaria, G. Vesca, C. Di Loreto, F. Curcio, D. Cesselli

P130
Characterization of the gut microbiota composition of the population residing in Friuli-Venezia Giulia through Next-Generation Sequencing (NGS)
M. Bulfoni, M. De Martino, S. Marzinotto, B. Marcon, G. Vesca, M. Bertoni, M. Isola, C. Tascini, F. Curcio

P131
Enhancing Healthcare-Associated Infection Surveillance in Neonatal Intensive Care Unit (NICU) through Next-Generation Sequencing (NGS)
M. Bulfoni, B. Krpan, G. Vesca, C. Pipan, F. Curcio

P132
Role of Hedgehog signaling and KCASH2 in colorectal cancer
G. Terriaca, F. Bordin, A. Apostolico, S. Bellardinelli, F. Taj Mir, A. Di Fiore, M. Moretti, E. De Smaele

P133
TAU/MAPT PROTEOSTASIS REGULATES NEUROBLASTOMA RESISTANCE TO DIFFERENTIATION THERAPY
L. Clementi, E. Cornacchia, J. Taglienti, M. Di Vito Nolfi, V. Zelli, A. Tessitore, F. Zazzeroni, E. Alesse, A. Angelucci

P134
Simultaneous inhibition of multiple signaling transduction pathways in the treatment of Medulloblastoma
A. Apostolico, F. Bordin, A. Di Fiore, G. Terriaca, S. Bellardinelli, M. Moretti, E. De Smaele

P135
The role of KCASH2 in the regulation of the mitotic checkpoint
S. Bellardinelli, A. Di Fiore, F. Bordin, A. Apostolico, F. Taj Mir, G. Terriaca, M. Moretti, E. De Smaele

P136
Targeting STING pathway epigenetic alterations to restore innate immune response in neuroblastoma
S. Di Giulio, R. Schirano, D. Salerno, C. Manfredi, L. Gerardi, D. Battaglini, M. Augusto, A. Funari, V. Licursi, P. Sibilio, P. Paci, V. Veschi, G. Giannini

P137 (Abstract selected for Poster Round)
Identification of cerebrospinal fluid cytokines expression phenotypes in immune-mediated neurological disorders with focus on multiple sclerosis: application of Machine Learning algorithms
R. Fiorino, C. Costa, C. Felcaro, I. Del Negro, A. Vogrig, M.R. Valente, M. Fabris

P138
CEREBROSPINAL FLUID CYTOKINES SUPPORT THE DIAGNOSIS OF CNS LYMPHOMA: A CASE REPORT
R. Fiorino, M. Rana, F. Zaja, A. Vogrig, M. Fabris

P139
Investigating the role of Jagged ligands in the extracellular vesicles-mediated modulation of multiple myeloma microenvironment
D. Giannandrea, N. Platonova, V. Citro, L. Paonessa, G. Sauro, N. Abazari, G. Sini, E. Soleymaninejadian, M. Sommariva, A. Pistocchi, L. Casati, E. Calzavara, M. Turrini, E. Lesma, A. Campese, R. Chiamonte

P140
Gene Network Analysis in Multiple Sclerosis Patients Infected with Epstein-Barr Virus to Identify Biomarkers for Monitoring Disease Exacerbation and Prompt Therapeutic Intervention
E. Soleymaninejadian, A. Zollo, V. Citro, D. Giannandrea, N. Platonova, A. Mingione, A. Corona, M. Miozzo, F. Martinelli Boneschi, R. Chiamonte

P141

Identification of new variants and transcriptomics alterations associated with chemoresistance in colorectal cancer organoids
L. Falzone, G. Spoto, D. Ricci, S. Candido, M. Libra

P142

Integrated analysis of DNA methylation and gene expression in TCGA tumors
A. Lavoro, L. Falzone, G. Gattuso, D. Ricci, F. Longo, G.N. Conti, M. Libra, S. Candido

P143

The neuroprotective drug edaravone mitigates the migration of ovarian cancer cells
C. Villa, E. Duranti, C. Venturin, M. Cadamuro, M. Lavitrano

P144

SARS-CoV-2-specific neutralizing activity and cytokine profile in newborns of vaccinated and/or infected and vaccinated mothers
C. Vanetti, M. Stracuzzi, M. Garziano, M. Micheloni, M.L. Murno, G.V. Zuccotti, M. Clerici, V. Giacomet, D. Trabattoni

P145

SARS-CoV-2 natural infection, but not vaccine-induced immunity, elicits cross-reactive immunity to OC43
M. Garziano, C. Vanetti, S. Strizzi, I. Saulle, F. Limanaqi, V. Artusa, M. Fiestas, L. Citterio, P. Ogno, M. Clerici, D. Trabattoni, M. Biasin

P146

Discovery of a new selective inhibitor of Endoplasmic Reticulum Aminopeptidase 1 for targeting Hedgehog-dependent cancers
A. Cucinotta, F. Bufalieri, F. Agnoli, G. Adabbo, F. Ghirga, S. D'Amico, A. Di Pinto, L. Lospinoso Severini, D. Quaglio, M. Mori, B. Botta, P. Infante, D. Fruci, L. Di Marcotullio

P147

The Interplay among Wnt/ β -catenin family members in colorectal adenomas and surrounding tissues
D.L. D'Antonio, F. Fantini, C. Moscatello, A. Ferrone, S. Scaringi, R. Valanzano, F. Ficari,

K. Efthymakis, M. Neri, G.M. Aceto, M.C. Curia

P148 (Abstract selected for Poster Round)

Human Multilineage 3D Spheroids unveil the role of LGLALS3 in steatotic liver disease and fibrosis
F. Sedda, M.A. Kowalik, A. Caddeo, K. Sasidharan, A. Perra, S. Romeo

P149

Defining the role of ACP2 in the regulation of ERAP1 function in Hedgehog Medulloblastoma
A. Di Pinto

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miR-214-Induced Melanoma Hyperpigmentation and Therapy Resistance: Molecular Insights
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