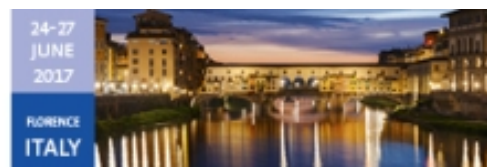


The Challenges of Optimising Immuno and Targeted Therapies From Cancer Biology to the Clinic

EACR European Association
for Cancer Research

AACR American Association
for Cancer Research
LEADING CANCER TOGETHER

EMORY UNIVERSITY
EMORY UNIVERSITY



EAS2017

Sat 24 Jun

Auditorium - 14:00 - 14:30

Opening Address: Opening Address

- 14:00 Welcome by EACR
Speaker: A. Berns (Netherlands)
 - 14:10 Welcome by AACR
Speaker: N.E. Davidson (USA)
 - 14:20 Welcome by SIC
Speaker: S. Giordano (Italy)
-

Sat 24 Jun

Auditorium - 14:30 - 15:30

Opening Lecture: Opening Lecture: Tumour Metabolism

Chair: N.E. Davidson (USA)

- 14:30 Metabolic modulation of cancer immunotherapy
Speaker: C.B. Thompson (USA)
-

Sat 24 Jun

Auditorium - 16:00 - 17:00

Keynote Lecture: Immunotherapy

Chair: R. Marais (United Kingdom)

- 16:00 Tumor neoantigens as targets for cancer specific immunotherapy
Speaker: R. Schreiber (USA)
-

Sat 24 Jun

Auditorium - 17:00 - 18:00

Plenary Symposium: Immunogenomics

Chair: S.A. Quezada (United Kingdom)

17:00 CAR T cells enter mainstream oncology
Speaker: C. June (USA)

17:30 Proffered Paper: The T Cell Repertoire during tumor formation
Speaker: S. Efroni (Israel)

17:40 Proffered Paper: Impact of intratumoral clonal heterogeneity on immune checkpoint inhibitor response
Speaker: A. Wellstein (USA)

17:50 Discussion and roundup

Sat 24 Jun

Auditorium - 18:00 - 19:30

Welcome Reception: Welcome Reception

Sun 25 Jun

Auditorium - 07:30 - 08:30

Meet the Expert Session: Tumour Microenvironment

Oxidative and metabolic stress signals within tumor microenvironment
Speaker: P. Chiarugi (Italy)

Sun 25 Jun

Sala Verde - 07:30 - 08:30

Meet the Expert Session: Functional Oncogenomics for Development of Combinatorial Therapies

Functional oncogenomics for development of combinatorial therapies
Speaker: D. Peeper (Netherlands)

Sun 25 Jun

Auditorium - 08:30 - 09:15

Keynote Lecture: Immunogenomics

Chair: P. Chiarugi (Italy)

Title to be announced

Speaker: L.A. Garraway (USA)

Sun 25 Jun

Auditorium - 09:15 - 10:15

Proffered Papers: Proffered Papers 1

Chair: M. Macagno (Italy)

- 09:15 Proffered Paper: Structural basis of HuR inhibition by Dihydrotanshinone-I
A. Provenzani, P. Lal, L. Cerofolini, I. Bonomo, V. D'Agostino, M. Gorospe, D. Dixon, P. Seneci, L. Marinelli, M. Fragai
- 09:25 Proffered Paper: GDE2 promotes neuroblastoma differentiation through GPI-anchor cleavage and is a marker of clinical outcome
E. Matas-Rico, M. van Veen, D. Leyton-Puig, J. van den Berg, J. Koster, K. Kedziora, A. Perrakis, K. Jalink, R. Versteeg, W. Moolenaar
- 09:35 Proffered Paper: POPX2 phosphatase regulates apoptosis through the TGF-beta activated kinase pathway
C.G. Koh, T. Weng
- 09:45 Proffered Paper: Stage-dependent therapeutic efficacy in PI3K/MTOR-driven squamous cell carcinoma of the skin
C. Darido, C. Cullinane, R. Pearson, S. Jane
- 09:55 Proffered Paper: Perfusion-based bioreactor culture of primary cancer tissue maintains tumor microenvironment complexity and allow in-vitro testing of immune blockade therapy
M.G. Muraro, S. Muenst, C. Manfredonia, V. Mele, S. Däster, W.P. Weber, G.C. Spagnoli, G. Iezzi, I. Martin, S. Soysal
- 10:05 Proffered Paper: Clinical translation of nuclear export inhibitors in pancreatic cancer
A. Azmi, P. Philip, M. Kauffman, Y. Landesman, W. Senapedis, S. Shacham, A. Mahipal, E. Baloglu, I. Muqbil, R. Mohammad
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Sun 25 Jun

Auditorium - 10:45 - 12:30

Symposium: Immunotherapy Resistance

Chair: O. Finn (USA)

- 10:45 Deciphering and targeting immune regulation at the tumour site
Speaker: S.A. Quezada (United Kingdom)
- 11:10 Mechanisms of secondary resistance to immune checkpoint blockade
Speaker: L. Zitvogel (France)
- 11:35 Proffered Paper: Using implantable microdevices to systemically identify optimal combinations of immunotherapy and chemotherapy in situ
Speaker: O. Jonas (USA)
- 11:45 Proffered Paper: Targeting type I interferon activity to the tumor microenvironment or to dendritic cells as a novel, generic and safe cancer immunotherapy
Speaker: A. Cauwels (Belgium)
- 11:55 Towards deciphering the mutational and neo-antigenic landscape in melanoma
Speaker: Y. Samuels (Israel)
- 12:20 Discussion and roundup
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Sun 25 Jun

Auditorium - 14:30 - 16:15

Symposium: Microenvironment & Microbiome

Chair: L. Zitvogel (France)

- 14:30 Activin - a major regulator of the wound and skin cancer microenvironment
Speaker: S. Werner (Switzerland)
- 14:55 Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy
Speaker: T. Gajewski (USA)
- 15:20 Proffered Paper: Stromal cell immunomodulatory potential in the tumour microenvironment is regulated by inflammatory signalling
Speaker: G. O'Malley (Ireland)
- 15:30 Proffered Paper: Cabozantinib eradicates advanced murine prostate cancer by activating anti-tumor innate immunity
Speaker: A. Patnaik (USA)
- 15:40 Modulation of the myeloid cell response in radiation-treated gliomas circumvents tumor recurrence
Speaker: L. Akkari (Netherlands)
- 16:05 Discussion and roundup
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Sun 25 Jun

Auditorium - 16:45 - 18:15

Symposium: New Therapeutic Approaches

Chair: D. Peeper (Netherlands)

16:45 Cancer immunoprevention

Speaker: O. Finn (USA)

17:15 Functional targeting of novel vulnerabilities in melanoma

Speaker: L. Lanfrancone (Italy)

17:45 Proffered Paper: Harnessing the spatially regulated tyrosine phosphorylation mechanisms for precision medicine

Speaker: V.K. Ulaganathan (Germany)

17:55 Proffered Paper: Suppression of oncogene transcription with PNA-delivery peptide conjugates –potential therapy for BRAF-V600E and KRAS-G12D driven tumors

Speaker: J. Rothman (USA)

18:05 Discussion and roundup

Sun 25 Jun

Auditorium - 18:15 - 19:00

Keynote Lecture: Resistance to Targeted Cancer Drugs

Chair: R. Marais (United Kingdom)

18:15 Targeting drug resistant cancers

Speaker: R. Bernards (Netherlands)

Mon 26 Jun

Auditorium - 07:30 - 08:30

Meet the Expert Session: Challenges of Combination Cancer Immunotherapy

Challenges of combination cancer immunotherapy

Speaker: R. Dolcetti (Italy)

Mon 26 Jun

Sala Verde - 07:30 - 08:30

Meet the Expert Session: Mutational Spectra and Resistance

Defining the actionable genome
Speaker: D. Solit (USA)

Mon 26 Jun
Auditorium - 08:30 - 09:15

Keynote Lecture: Combination Therapies in Lung Cancer

Chair: G. Sozzi (Italy)

08:30 Targeted therapies and resistance: Where are we going?
Speaker: J.A. Engelman (USA)

Mon 26 Jun
Auditorium - 09:15 - 10:15

Proffered Papers: Proffered Papers 2

Chair: S. Ventura (Italy)

- 09:15 Proffered Paper: Immunologic reshaping of cancer by stimulation of innate nucleic acid sensor RIG-I
C. Schuberth-Wagner, M. Niewel, M. Renn, C. Jakobs, A. Schwickart-Halbe, J. Vollmer
- 09:25 Proffered Paper: A cross-tumors approach identifies the transcription factor FOSL1 as a KRAS oncogene dependency in lung and pancreatic cancer
A. Vallejo, N. Perurena, E. Guruceaga, P.K. Mazur, K. Valencia, M. Ponz-Sarvise, A. Bozec, J. Sage, F. Lecanda, S. Vicent
- 09:35 Proffered Paper: A blood-based multi-marker panel for pancreatic cancer early detection
M. Capello, L. Bantis, G. Scelo, R. Brand, M.A. Firpo, M.H. Katz, P. Brennan, Z. Feng, A. Taguchi, S.M. Hanash
- 09:45 Proffered Paper: Role of PD-L1 immunoregulatory protein in breast cancer cells metabolic reprogramming
J. Berthe, J. Kluza, H. El Bouazzati, I. Briche, X. Thuru, S. Galiègue-Zouitina, B. Quesnel
- 09:55 Proffered Paper: Human bone marrow-derived mesenchymal stem cells promote invasiveness and transendothelial migration of osteosarcoma cells through a mesenchymal to ameboid transition
L. Pietrovito, E. Giannoni, V. Gori, F. Bambi, P. Chiarugi, M.L. Taddei
- 10:05 Proffered Paper: NFIB and YBX1 bind to and repress ESR1, revealing a therapeutically relevant regulatory loop in breast cancer
K.B. Meyer, T.M. Campbell, M.A.A. Castro, B.A.J. Ponder
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Mon 26 Jun
Auditorium - 10:45 - 12:30

Symposium: Drug Resistance

Chair: J.A. Engelman (USA)

- 10:45 Understanding molecular and immune mechanisms of response and resistance to targeted therapy: Lessons learned from mouse and man
Speaker: J. Wargo (USA)
- 11:10 Role of the immune system in antibody targeted therapy and resistance
Speaker: M. Rescigno (Italy)
- 11:35 Proffered paper: Response to targeted therapy in melanomas expressing ALK fusions and other ALK variants
Speaker: K. Coutts (USA)
- 11:45 Proffered Paper: STAT3 mediates resistance to BRAF inhibitors in thyroid carcinoma cells
Speaker: V. Condelli (Italy)
- 11:55 Analysis of tumor microenvironment factors effects on drug responses
Speaker: D.A. Lauffenburger (USA)
- 12:20 Discussion and roundup
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Mon 26 Jun
Auditorium - 14:30 - 16:15

Symposium: Tumour Cell Metabolism

Chair: D. Peeper (Netherlands)

- 14:30 Exploiting lung tumor metabolic heterogeneity for improved therapy
Speaker: C. Martins (United Kingdom)
- 14:55 Role of metabolism in tumor growth
Speaker: M. Vander Heiden (USA)
- 15:20 Proffered Paper: Global transcriptional analysis reveals miR23b-3p and amino acids transport as a key metabolic hub of endocrine therapy resistance in ER+ breast cancer
Speaker: A. Morandi (Italy)
- 15:30 Proffered Paper: A chemical-genetic CRISPR screen identifies cancer vulnerabilities to perturbation of mitochondrial respiration
Speaker: M. Chandrashekhar (Canada)
- 15:40 mTORC1-driven metabolic Reprogramming in Renal cell carcinoma
Speaker: A. Boletta (Italy)

16:05 Discussion and roundup

Mon 26 Jun

Auditorium - 16:45 - 18:15

Symposium: Mouse Models

Chair: A. Berns (Netherlands)

16:45 Therapeutic strategies for neutralizing protumor inflammation: Lessons learned from preclinical mouse models

Speaker: L.M. Coussens (USA)

17:15 From mouse to bedside: Preclinical strategies for precision medicine in colorectal cancer

Speaker: A. Bertotti (Italy)

17:45 Proffered Paper: Targeting immunotherapy to the tumor microenvironment using anti-PDL1 VHH

Speaker: S. Dougan (USA)

17:55 Proffered Paper: The immunoreceptor NKG2D promotes tumorigenesis in models of inflammation-driven cancer

Speaker: N. Guerra (United Kingdom)

18:05 Discussion and roundup

Mon 26 Jun

Auditorium - 18:15 - 19:00

Keynote Lecture: Exosomes

Chair: S. Giordano (Italy)

18:15 The biology and function of exosomes in diagnosis and treatment of cancer

Speaker: R. Kalluri (USA)

Tue 27 Jun

Auditorium - 08:30 - 09:15

Keynote Lecture: The Ras Pathway

Chair: A. Berns (Netherlands)

08:30 Precision medicine for melanoma

Speaker: R. Marais (United Kingdom)

Tue 27 Jun

Auditorium - 09:15 - 10:00

Giorgio Prodi Award Lecture: Giorgio Prodi Award Lecture

Chair: G. Sozzi (Italy)

09:15 The soldiers and the enemies in the cancer battlefield: A 30-year story of defeats and successes in tumor immunology

Speaker: M. Colombo (Italy)

Tue 27 Jun

Auditorium - 10:30 - 12:15

Symposium: Cell Plasticity/Single Cell Analysis

Chair: L.M. Coussens (USA)

10:30 Metabolic pathways control malignant stem cells and therapy resistance

Speaker: A. Trumpp (Germany)

11:00 Imaging therapy failure

Speaker: E. Sahai (United Kingdom)

11:30 Proffered Paper: Investigating epithelial and mesenchymal triple negative breast cancer plasticity: identification of dual Wnt and YAP susceptibility for effective tumor targeting

Speaker: A. Sulaiman (Canada)

11:40 Proffered Paper: Intra-tumoral heterogeneity in Glioblastoma is a result of stochastic reversible plasticity rather than a hierarchical differentiation process

Speaker: A. Golebiewska (Luxembourg)

11:50 Discussion and roundup

Tue 27 Jun

Auditorium - 12:15 - 13:00

Keynote Lecture: Immunotherapy

Chair: N.E. Davidson (USA)

12:15 Chromosomal chaos and order during lung cancer evolution

Speaker: C. Swanton (United Kingdom)

Tue 27 Jun
Auditorium - 13:00 - 14:00

Closing Session: Closing Remarks

Chair: G. Sozzi (Italy)

"Piero Trivella" Award for the Best Posters

Speaker: M.G. Trivella (Italy)

"Guido Berlucchi Foundation" Award for the Best Posters

Speaker: P. Gramignola

"Guido Berlucchi Foundation" Award for the Best Oral Presentation

Speaker: P. Gramignola

"Elena Cappannini" Award for the Best 2016 Publication

Speaker: F. Fallarino (Italy)

"Pezcoller Foundation" Fellowships Award

Speaker: E. Galligioni (Italy)

Sun 25 Jun
- 10:15 - 17:00

Poster Session: Cancer Genomics, Epigenetics and Genome Instability I

- 100 CD74 is a novel transcription regulator
Poster: N. Gil (Israel)
- 103 Isobolographic analysis demonstrates additive effect of interactions between cisplatin and histone deacetylase inhibitors combined treatment in lung cancer cell lines
Poster: E. Gumbarewicz (Poland)
- 102 Isobolographic analysis of interactions between cisplatin and histone deacetylase inhibitors in human breast cancer cell lines
Poster: A. Wawruszak (Poland)
- 101 A path towards determining tumor mutation burden and identifying neoantigens using next-generation sequencing (NGS)
Poster: A. So (USA)
- 104 Reappraisal of cancer modeling for more efficacious oncologic interventions
Poster: U. Rovigatti (Italy)
- 105 Genetic screens and transcriptional profiling with CRISPR/Cas9 sgRNA libraries
Poster: D. Tedesco (USA)

- 106 Characterizing the role of Thymine DNA Glycosylase (TDG) mediated epigenetic regulation in metastatic liver cancer in vivo
Poster: M. Hassan (Canada)
- 107 Discovery of a functional long non-coding RNA regulated by breast cancer stem cell marker ALDH1A3
Poster: D. Vidovic (Canada)
- 108 Epidermal growth factor receptor signaling pathway in colorectal cancer diagnosis using next generation sequencing
Poster: F. Azzam (Morocco)
- 111 An easy to use data analytic workflow for DNA methylation-based biomarkers discovery
Poster: A. Fadda (Italy)
- 110 Identification of methylome alterations in pilocytic astrocytoma as potential diagnostic and prognostic biomarkers
Poster: E. Loi (Italy)
- 109 Characterization of the genetic heterogeneity and clonal dynamics of a triple negative breast cancer
Poster: V. Angeloni (Italy)
- 112 Novel epigenetic drivers of drug resistance linked to gene expression modulation in colorectal carcinomas: Preliminary analysis
Poster: V. Condelli (Italy)
- 113 The complex relationship between DNA methylation and gene expression
Poster: E. Loi (Italy)
- 114 Cancer astrocytes have a more conserved molecular status in long survival glioblastoma patients: new emerging cancer players
Poster: C. Mazzanti (Italy)
- 115 Circulating miRNAs reflect a pro-tumorigenic and immunosuppressive microenvironment in lung cancer
Poster: O. Fortunato (Italy)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Carcinogenesis

- 132 The anti-cancer effect of binding modulator targeting interaction of aurora kinase C and nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha in breast cancer cells
Poster: Y.H. Chung (Korea)
- 133 REV7 expression is associated with prognosis and cisplatin sensitivity in human malignancy
Poster: Y. Murakumo (Japan)

- 134 Lysine-specific demethylase 1 (LSD1) destabilizes p62 and inhibits autophagy in gynecologic malignancies
Poster: A. Chao (Taiwan)
- 135 Long non coding RNA BCAR4 act as an oncogene in rectum adenocarcinoma
Poster: F. Aksoy (Turkey)
- 137 Elucidating the metastatic changes during ovarian cancer progression: a microdissection proteomics perspective
Poster: F. Coscia (Germany)
- 136 The over expression of HULC is associated with tumorigenesis of colorectal cancer patients
Poster: S. Aksoy (Turkey)
- 138 The down regulation of PTENP1 is associated with poor response to FOLFOX in colorectal cancer patients
Poster: B. Tunca (Turkey)
- 139 Characterization of HPV16 expression profile in cervical and in oropharyngeal squamous cell carcinoma
Poster: M.L. Tornesello (Italy)
- 140 Misreading Serine tRNAs contribute to tumor growth in vivo
Poster: M. Santos (Portugal)
- 141 NR4A3, a novel target of p53, promotes apoptosis
Poster: O. Fedorova (Russian Federation)
-

Sun 25 Jun

- 10:15 - 17:00

Poster Session: Cell and Tumour Biology I

- 142 Investigation into the differences in anoikis responses of tumourigenic and non-tumourigenic breast cell lines after exposure to a novel 2-methoxyestradiol derivative
Poster: Z. Riahi (South Africa)
- 143 Targeting the Src/JAK/STAT3 signalling pathway: A novel and promising therapeutic strategy for pancreatic cancer
Poster: A. Morgan (Australia)
- 144 RASSF6 Deters sorafenib resistance through F-actin rearrangement and subsequent activation of JNK signaling pathway
Poster: Y.Y. Liang (China)
- 146 MiR-182, a novel target involved in sulindac anticancer activity in colon cancer
Poster: Y. Xi (USA)
- 148 Transcription factor SPZ1 promotes TWIST-mediated epithelial–mesenchymal transition and oncogenesis in human liver cancer

Poster: L.T. Wang (Taiwan)

- 147 The anti-proliferative effect of Ib-7, an Ibrutinib derivative, on EGFR wild-type and T790M bearing human lung cancer cells
Poster: B. Zhang (China)
- 150 P53-miR-X-SOX4 regulatory loop affects apoptosis in breast cancer
Poster: S. Sharma (India)
- 149 SNORD-X in Glioblastoma: Regulation and functional analysis
Poster: S. Gupta (India)
- 152 3'UTR polymorphisms of carbonic anhydrase IX determine the miR-34a targeting efficiency and prognosis of hepatocellular carcinoma
Poster: K.T. Hua (Taiwan)
- 151 Inducing a mesenchymal-to-epithelial transition for the differentiation therapy of aggressive breast carcinomas
Poster: D. Pattabiraman (USA)
- 154 Leptin modified exosomes, from ovarian cancer cells, promote a pro-tumorigenic microenvironment
Poster: L. Abarzua Catalan (Chile)
- 155 Melatonin inhibits MMP-9 transactivation and renal cell carcinoma metastasis by suppressing Akt-MAPKs pathway and NF- κ B DNA-binding activity
Poster: M.H. Chien (Taiwan)
- 153 Overcoming treatment resistance in cisplatin resistant ovarian carcinoma cells with miRNA-147
Poster: M. Kleemann (Germany)
- 158 Dysregulation of serum exosomes in patients with hepatitis B virus pre-S2 mutant-positive hepatocellular carcinoma
Poster: C.F. Teng (Taiwan)
- 159 Amphiregulin contained in NSCLC-exosomes induces osteoclast differentiation through the activation of EGFR pathway
Poster: R. Alessandro (Italy)
- 156 Using 3D spheroids to analyse the effects of novel estradiol analogues on breast cancer
Poster: T. Jurgens (South Africa)
- 157 Molecular insights into metastatic breast cancer
Poster: G. Negro (Austria)
- 160 Simvastatin impairs cell plasticity and invasive capabilities of ovarian cancer-initiating cells through regulation of E-cadherin/ β -catenin complex, Hippo/YAP pathway and small GTPase activity
Poster: S. Kato (Chile)
- 162 The effect of adipose-derived stem cells from diabetic individuals on the characteristics of breast cancer cells
Poster: S.Y. Tsang (Hong Kong)

- 161 Biomarkers in postoperative head and neck drainage fluids affect the response of cancer cells to irradiation
Poster: G. Salvatore (Italy)
- 165 Loss of nephronectin promotes renal cell carcinoma progression through modulation of tight junction stability
Poster: C.W. Cheng (Taiwan)
- 166 Galectin-4 suppresses the expression of integrin β 4 and reduces the migration and invasion activities of urothelial carcinoma cells
Poster: T.C. Lee (Taiwan)
- 164 Decreased expression levels of RAC3 coactivator sensitizes colorectal cancer cells to the effect of chemotherapeutic drugs
Poster: M.F. Rubio (Argentina)
- 163 Computational metabolism modeling predicts drug sensitivity in breast cancer cells
Poster: L. Trilla-Fuertes (Spain)
- 167 Tumor microenvironment increases migration/invasion of pheochromocytoma SDHB silenced spheroids
Poster: E. Rapizzi (Italy)
- 169 Role of microenvironment on metabolic control of pheochromocytoma SDHB silenced cells
Poster: E. Rapizzi (Italy)
- 168 ADAM9 promotes lung cancer metastasis through suppression of microRNAs
Poster: Y.p. Sher (Taiwan)
- 172 Regulation of oncogene-induced senescence by the toll-like receptors
Poster: P. Hari (United Kingdom)
- 173 MicroRNA-198 inhibits proliferation and invasion of lung cancer cells by targeting VCP
Poster: J. Yun (South Korea)
- 170 Comparison of the response of four patient-derived NSCLC lines grown as monolayers, simple spheroids and mixed cell complex spheroids
Poster: G. Kaur (USA)
- 171 The reprogramming transcription factors sox2, c-myc and klf4 as potential therapeutic targets for resistance and metastasis in prostate cancer
Poster: E. Castellón (Chile)
- 175 Role of CD34 in Thyroid Cancer stemness and neoplastic features
Poster: F. Liotti (Italy)
- 174 CD44 modulation: An effective strategy to sensitize cancer stem cells to chemotherapy
Poster: A. Speciale (Italy)
- 178 Relevance of intra-tumor heterogeneity in tissue analysis – Colorectal cancer development from adenoma to tumor
Poster: N. Lange (Germany)

- 177 RNA sequencing approach to investigate transcripts involved in platinum resistance in high-grade serous epithelial ovarian cancer
Poster: E. Calura (Italy)
- 176 Role of microenvironment on proliferation and migration of an SDHB silenced pheochromocytoma cell line
Poster: E. Rapizzi (Italy)
- 181 SCD5 impairs metastatization by reversing EMT and increasing immunoreactivity through SPARC reduced secretion
Poster: R. Puglisi (Italy)
- 180 Unraveling the potential role of autophagy in CD157-associated chemoresistance in malignant pleural mesothelioma
Poster: A. Giacomino (Italy)
- 179 CD157 contributes to the environment-mediated chemoresistance in acute myeloid leukemia
Poster: S. Augeri (Italy)
- 184 IL-8-induced stemness features of thyroid cancer cells
Poster: E. Pone (Italy)
- 183 Nonautophagic cytoplasmic vacuolation death induction in human PC-3M prostate cancer by curcumin through reactive oxygen species-mediated endoplasmic reticulum stress
Poster: W.J. Lee (Taiwan)
- 186 Cellular and molecular regulations of Pyruvate Kinase Type M2 mediated head and neck tumourigenesis
Poster: H. Institute of Oral Biology (Taiwan)
- 185 Caspase-3 regulates YAP-dependent organ size and skin regeneration
Poster: Y. Fuchs (Israel)
- 188 Characterization of Nrf2 activation in regulating cancer-initiating cell stemness properties
Poster: Y.T. Chen (Taiwan)
- 187 Regulatory role of sterol regulatory element binding protein 1 during head and neck carcinogenesis
Poster: K. Tzu-Yu (Taiwan)
- 189 A novel high throughput screening system for in vitro evaluation of anticancer compounds under anchorage-independent conditions
Poster: T. Nishino (Japan)
- 190 Oncogene-driven sensitivity to ferroptotic cell death following deprivation of cystine
Poster: I. Poursaitidis (United Kingdom)
- 193 AKR1B10 promotes breast cancer cell migration and invasion via activation of ERK signaling
Poster: D. Luo (China)
- 194 Prrx1 overexpression promotes epithelial-mesenchymal transition through control of twist and matrix metalloprotease 3 in lung cancer
Poster: J.J. Hung (Taiwan)

- 191 Single cell tracking of multiple myeloma B lineage clones
Poster: L. Hansmann (Germany)
- 192 Differential expression of MST2 and MST4 among the molecular subgroups of Medulloblastoma
Poster: M. Baroni (Brazil)
- 196 ETV4 over-expression in prostate cells down-regulates p21 both in vitro and in vivo
Poster: I. Cosi (Italy)
- 195 Loss of uPAR function and suppression of malignant cell behavior by a GPI-specific phospholipase C
Poster: M. van Veen (Netherlands)
- 199 Repurposing approved drugs to inhibit epithelial-mesenchymal transition in cancer; A systems pharmacology approach
Poster: F. Barneh (Iran)
- 197 Modeling uveal melanoma using zebrafish to predict suitable therapeutic strategies
Poster: M.C. Mione (Italy)
- 198 Environmental control of plasma cell fitness in multiple myeloma: a novel malignant co-optation of a metabolic and immune checkpoint
Poster: A. Romano (Italy)
- 202 LIGHT promotes osteoclast activation in non-small cell lung cancer bone metastases
Poster: I. Roato (Italy)
- 201 Extracellular visfatin increases sirtuin 1 activity and cause p53 deacetylation by producing NAD
Poster: M. Nourbakhsh (Iran)
- 200 Targeting the mitogen activated protein kinase erk5 in human melanoma
Poster: A. Tubita (Italy)
- 204 MiR-16 controls HGF production through targeting of FGFR-1 and MEK1 in lung fibroblasts and modulates their pro-migratory activity on cancer cells
Poster: L. Roz (Italy)
- 203 NRF2 activation due to acquired KEAP1 mutation in EGFR-TKI resistant lung cancer promotes invasion and metastasis
Poster: J.Y. Lee (Korea)
- 206 The metabolic profile of Chronic Myeloid Leukaemia stem cell subsets as a target to suppress treatment-resistant minimal residual disease
Poster: M. Poteti (Italy)
- 205 Targeting a solute carrier to reprogram tumour-promoting stromal cells in pancreatic cancer
Poster: P. Phillips (Australia)
- 208 In vivo radiation resistance of brain metastasis: new models to interrogate the underlying biology
Poster: C. Monteiro (Portugal)

- 207 Association of ozone with 5-fluorouracil and cisplatin in regulation of human colon cancer cell viability: In vitro anti-inflammatory properties of ozone in colon cancer cells exposed to lipopolysaccharides
Poster: V. Simonetti (Italy)
- 209 Role of miRNAs in metabolic plasticity correlated with 5-FU resistance in colon cancer cells
Poster: E. Pranzini (Italy)
- 210 Sirtuin1 stimulates the proliferation and the expression of glycolysis genes in pancreatic neoplastic lesions
Poster: A. Pinho (Australia)
- 211 Cell stiffness as a promising marker of epithelial–mesenchymal transition and metastatic potential in head and neck cancer-pilot study
Poster: M. Masarik (Czech Republic)
- 213 Pro-tumorigenic and immunosuppressive potential of exosome-associated microRNAs in lung cancer
Poster: L. Calzolari (Italy)
- 215 The absence of IL-17 prolongs survival in pancreatic cancer by switching fibrosis from pro-tumoral to wound healing like
Poster: P. Cappello (Italy)
- 212 Mahonia aquifolium extracts promote antimetastatic effects of doxorubicin
Poster: A. Damjanovic (Serbia)
- 214 ChIP-seq approach to investigate FUS-CHOP targets in PDX models of Myxoid Liposarcoma treated with trabectedin
Poster: L. Mannarino (Italy)
- 217 The role of apelin signaling in the malignant behavior of cutaneous melanoma
Poster: J. Berta (Hungary)
- 216 V-ATPase control of EV signaling in glioma stem cells
Poster: I. Bertolini (Italy)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Experimental/Molecular Therapeutics, Pharmacogenesis I

- 293 Design, synthesis and in vitro anticancer evaluation of novel Rad6 ubiquitin conjugating enzyme inhibitors
Poster: H. Kothayer (Egypt)
- 294 The design and development of novel biologics for cancer immunotherapies
Poster: J. Gu (USA)
- 296 The discovery of Max-40279, a dual FLT3/FGFR inhibitor for the treatment of AML
Poster: Y. Wang (China)

- 295 Identification of dual inhibitors of glutaminase and glutamate dehydrogenase that disrupt mitochondrial function and prevent growth of cancer cells
Poster: B.H. Ruan (USA)
- 297 From bench to clinic: DBPR114 as a potent multi-kinase inhibitor in the treatment of various cancers
Poster: H.P. Hsieh (Taiwan)
- 298 Systemically delivered human telomerase reverse transcriptase (hTERT)-targeting p53-laden adenovirus (ad5CMV- hTERT-p53): efficacy and toxicity test
Poster: W.S. Lee (Korea)
- 299 A novel palladacycle complex with anti-cancer activity against breast cancer and melanomas also exhibits potent cytotoxicity in a range of sarcomas
Poster: J. Bleloch (South Africa)
- 300 Nanomedicine changing glioma microenvironment by targeting laminin-411- β 1 integrin-Notch system provides effective preclinical treatment
Poster: J. Ljubimova (USA)
- 301 Evaluation of a FLT3 inhibitor LDD1937 as an anti-leukemic agent for acute myeloid leukemia
Poster: S.Y. Han (Korea)
- 302 MiR-148a increases the sensitivity to cisplatin by targeting Rab14 in renal cancer cells
Poster: T.J. Lee (South Korea)
- 303 Gellan gum microsphere encapsulate the nanocarrier of doxorubicin as the chemoembolization agent of hepatoma therapy
Poster: M.W. Lee (Taiwan)
- 304 Hexavalent CD27 agonists show single agent anti-tumor activity in mouse syngeneic tumor models which is augmented by combination with anti-PD-1
Poster: M. Thiemann (Germany)
- 309 Core-shell lipo-polymersomes stabilized by iron oxide nanoparticles for synergistically targeted and magnetically-guided gene delivery to enhance tumor therapy
Poster: S.Y. Chen (Taiwan)
- 310 Molecular modelling of berberine derivatives as inhibitors of smoothened receptor using a new drug discovery script for a large numbers of compounds
Poster: P. Jabbarzadeh Kaboli (Malaysia)
- 308 Molecular modelling, molecular dynamics simulations and in vitro evaluation of Berberine as an inhibitor of MAP kinase and PI3K pathway
Poster: P. Jabbarzadeh Kaboli (Malaysia)
- 305 Cell cytotoxic effects of clioquinol and prepare of a gellan gum/glucosamine hydrogel carrier for oral cancer therapy
Poster: S.J. Chang (Taiwan)
- 306 Preclinical models of patient derived ovarian cancer xenograft (OC-PDX) to study the response of the PARP inhibitor olaparib
Poster: F. Bizzaro (Italy)

- 307 SG3400, a novel pyrrolobenzodiapine (PBD) antibody-drug conjugate payload with an extended therapeutic window
Poster: J. Hartley (United Kingdom)
- 312 Thermosensitive pluronic lecithin organogel for intratumoral injection to co-deliver Docetaxel and Cisplatin: A synergistic combination therapy for ovarian cancer
Poster: C.e. Chang (Taiwan)
- 311 Optimization and pharmacological evaluation of inhibitors targeting DYRK kinases in glioblastoma
Poster: L. Munoz (Australia)
- 313 Oxadiazolopyrazine derivatives: Synthesis and anticancer mechanism investigation
Poster: W.S. Li (Taiwan)
- 314 CellAccumulator (ACCUM): A novel technology that enhances trastuzumab-emtansine cellular accumulation and cytotoxic effectiveness
Poster: J. Leyton (Canada)
- 315 Cell-free circulating tumor DNA as a surrogate marker for detecting GIST recurrence or progression
Poster: C.Y. Jeff (Taiwan)
- 318 NMS-P088 is a small molecule potent CSF1R kinase inhibitor with macrophages immunomodulatory activity
Poster: M. Modugno (Italy)
- 316 Mechanisms of resistance to FGFR-targeted therapy in bladder cancer
Poster: G. Pettitt (United Kingdom)
- 317 MicroRNAs as Bile-Based Biomarkers in Biliary-Tract Cancers
Poster: M. Mato Prado (United Kingdom)
- 319 Antitumor and antimetastatic activity of trabectedin in preclinical models of melanoma
Poster: L. Carminati (Italy)
- 320 Using bispecific antibody non-covalently bound to docetaxel-loaded mPEGylated nanoparticle to enhance therapeutic efficacy in the MCF-7 HER2 tumor bearing mice
Poster: c.y. su (Taiwan)
- 324 Rice protein prolamin promotes anti-tumor immune reaction and inhibits leukemia growth in vivo
Poster: Y.J. Chen (Taiwan)
- 321 Prevention of Adriamycin-induced Cardiac Damage by NAD-Modulation
Poster: Y. Sei-hoon (South Korea)
- 325 Effects of norcantharidin on inhibiting distant metastasis of the colorectal cancers
Poster: H.F. Liao (Taiwan)
- 323 Hyperthermia induces the response of endoplasmic reticulum and promotes apoptosis-based therapeutic effectiveness in malignant melanoma
Poster: M. Panagiotidis (United Kingdom)

- 322 Trichodermin exhibits the potent and selective antitumor activity against human pancreatic cancer
Poster: S.W. Wang (Taiwan)
- 326 Low molecular weight phosphotyrosine protein phosphatase (LMW-PTP) targeting increases sensitivity of melanoma cancer cells toward chemo- and radio-therapy
Poster: P. Paoli (Italy)
- 327 Targeting of breast cancer stem-like cells by the duocarmycin-based HER2-targeting antibody-drug conjugate SYD985
Poster: T. Tomar (Netherlands)
- 328 Human Recombinant Arginase I (Co)-PEG5000 [HuArgI (Co)-PEG5000]-Induced arginine deprivation leads to autophagy-mediated cell death in Pancreatic Cancer Cells
Poster: R. Abi-Habib (Lebanon)
- 330 An Antibody Drug Conjugate targeting HER-3 demonstrates promising antitumor efficacy in a wide range of human cancer
Poster: G. Sala (Italy)
- 329 Development of a novel antibody-drug conjugated targeting endosialin/TEM1: potent antitumor activity in sarcoma
Poster: S. Iacobelli (Italy)
- 331 Chemoresistance of lung cancer is curable through a CD44 targeted drug delivery system
Poster: Y. Quan (Korea)
- 332 Suppression of breast carcinogenesis and metastasis by targeting glucose metabolism with HJC0152
Poster: Q. Shen (USA)
- 333 Novel small-molecule MDM2 inhibitors: a potent anti-cancer therapeutics
Poster: S. Jelen (Poland)
- 334 Development of novel anti-breast cancer agents based on omega-3 epoxy fatty acid analogues
Poster: Y. Al-Zubaidi (Australia)
- 335 Inhibition of β III-tubulin in mouse pancreatic tumors in vivo using RNAi-based nanomedicines reduces tumor growth and metastases
Poster: J. McCarroll (Australia)
- 337 HDAC4 and HDAC6 sustain DNA double strand break repair and stem-like phenotype thus promoting radioresistance in glioblastoma cells
Poster: C. Festuccia (Italy)
- 336 Involvement of cellular stress response in hypoglycemia-induced reversible resistance to different modalities of cancer therapy
Poster: M. Jeong (Korea)
- 338 Anti- α V β 3 integrin peptidomimetic-Sunitinib dual conjugates as therapeutic tool for the inhibition of integrin/growth factor crosstalk in human melanoma cells
Poster: F. Bianchini (Italy)

- 339 Pan-RAF and MEK vertical inhibition enhances therapeutical response in nonV600E BRAF mutant cell lines
Poster: E. Molnár (Hungary)
- 341 FOXO1 contribution to ovarian carcinoma cell response to the XPO1 inhibitor KPT-330 in combination with cisplatin
Poster: C. Corno (Italy)
- 340 Indocyanine green and doxorubicin-loaded fucoidan/protamine nanoparticles as a multifunctional drug carrier for combination cancer therapy
Poster: F.L. Mi (Taiwan)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Mouse Models

- 399 Effects of NO and H2S releasing doxorubicin on a xenograft model of chemoresistant prostate cancer
Poster: L. Cinci (Italy)
- 400 Establishment of Patient-Derived Xenografts (PDX) to study the biology and therapy of bone sarcomas
Poster: C. Cristalli (Italy)
- 401 Patient-derived xenograft (PDX) models of Glioblastoma: from basic research to preclinical studies
Poster: A. Golebiewska (Luxembourg)
- 402 A new model of orthotopic human pancreatic carcinoma xenograft: Pathophysiological and therapeutic implications
Poster: L. Barneo (Spain)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Prevention and Early Detection

- 403 Factors associated with the occurrence and prognosis of bladder cancer – environmental and proteomic approaches
Poster: K.H. Hsu (Taiwan)
- 404 Evaluation of novel biomarkers associated to pancreatic carcinogenesis for the early diagnosis of pancreatic ductal adenocarcinoma
Poster: M.A. KAMAL (Italy)
- 405 CD157 as a potential pleural effusion biomarker for malignant mesothelioma

Poster: S. Morone (Italy)

- 406 Clinical impact of BI-RADS classification in breast cancer patients: A study in North-West India
Poster: P.K. Bagri (India)
- 407 Immunoprevention Portfolio of the NCI PREVENT Cancer Program
Poster: S. Sei (USA)
- 408 Bone marrow represents an early sensor of incipient malignancies occurring at distant site
Poster: C. Chiodoni (Italy)
- 409 Serum miRNAs as biomarkers for early diagnosis of non-small cell lung cancer
Poster: P. D'Antona (Italy)
- 410 Identification of circulating microRNAs as early biomarkers of tumor development in a pre-clinical mouse model of mammary carcinogenesis
Poster: T.A. Renzi (Italy)
- 411 Patient navigation: Mitigating the surge of cancer in sub-Saharan Africa
Poster: R.C. Chidebe (Nigeria)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Radiobiology/Radiation Oncology I

- 414 Radiotherapy (RT) could produce a synergic systemic effect of abiraterone in castration-resistant prostate cancer patients?
Poster: F. Casas (Spain)
- 413 Adjuvant radiation therapy effects systemic immune response cells in female breast cancer patients
Poster: N. Lewin (Sweden)
- 415 Oesophageal radiotherapy and metallic stenting are effective for the stenosis of advanced oesophageal cancer; Compared to stenting for patients without radiotherapy
Poster: T. Toyokawa (Japan)
- 416 Alteration of carbohydrate metabolic pathway of hepatoma following radiation therapy
Poster: C.S. Chiang (Taiwan)
- 417 Enhancement of soft tissue sarcoma cell radiosensitivity by poly(ADP-ribose) polymerase-1 inhibitors
Poster: M. Sottili (Italy)
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Sun 25 Jun

- 10:15 - 17:00

Poster Session: Signalling Pathways I

- 428 Anti-tumor mechanisms of J2, a novel aliphatic hydroxamate derivative, in FaDu head and neck cancer cells
Poster: M.J. Hsu (Taiwan)
- 429 Signaling mechanisms involved in IL-6-induced epithelial-to-mesenchymal transition in MCF-7 cells
Poster: Y.F. Hsu (Taiwan)
- 430 ITB02, a novel indol derivative, impairs tumor angiogenesis and growth by interfering with VEGF-A/VEGFR2 pathway
Poster: S.W. Huang (Taiwan)
- 431 Using retinoic acid to treat triple-negative breast cancer
Poster: K. Coyle (Canada)
- 432 The role of Pdk1-dependent signalling pathways in pancreatic cancer
Poster: F. Hesse (Germany)
- 433 Receptor-antibody clustering induced endocytosis of HER2 has therapeutic potential in breast cancer
Poster: J. Wymant (United Kingdom)
- 434 HER3 activating mutations facilitate human mammary epithelial cells resistant to HER2 inhibition
Poster: J. Garrett (USA)
- 435 Resistance to tyrosine-kinase inhibitors in ALK-positive lymphoma: key differences with lung cancer suggest new strategies to prolong disease control
Poster: J. Schatz (USA)
- 436 Recombinant anthrax lethal toxin inhibits colon cancer cell proliferation through targeting the MAPK and Rho GTPase pathway
Poster: M. El-Sibai (Lebanon)
- 437 Kinase reconstitution screen in Pdk1 deleted pancreatic tumor cell lines
Poster: L. Liotta (Germany)
- 439 Prolonged Cetuximab treatment selects for novel, activating mutations in the ligand-binding domain of EGFR in head and neck squamous cell carcinoma
Poster: M. Bredel (USA)
- 438 P73 induce apoptosis by transcription-independent mechanism
Poster: S.U. Choi (Korea)
- 441 Differential anti-proliferative activity of isoflavones against Src- and Ras-activated human adenocarcinoma cells
Poster: M. Ono (Japan)
- 440 Transcription factor Brn-3alpha mRNA in cancers, connection with AR, ER receptors and AKT/m-TOR pathway components

Poster: L. Spirina (Russian Federation)

- 443 Screening of novel druggable targets blocking SOD3 function in developing colon adenocarcinoma

Poster: M. Laukkanen (Italy)

- 442 The major histocompatibility complex (MHC) class II mediated signalling increases lipid raft recruitment of adhesion receptors and signal transduction proteins in melanoma cells

Poster: G. Barbieri (Italy)

Sun 25 Jun

- 10:15 - 17:00

Poster Session: Translational Research I

- 459 Immune stimulation by approved PAMP drugs

Poster: U. Hobohm (Germany)

- 460 Correlation between luminal A molecular subtype and the immunohistochemical characteristics among Jordanian breast cancer patients

Poster: L. Hamadneh (Jordan)

- 461 A novel rational treatment modality for brain cancer: TMZ and Zn²⁺

Poster: R. Shai (Israel)

- 462 Construction a high efficient multi-gene biochip for detection the circulating biomarkers of colorectal cancer patient with early relapse

Poster: J.Y. Wang (Taiwan)

- 464 Downregulation of transmembrane and coiled-coil domain 1 in urinary bladder urothelial carcinoma: a characterization of tumor suppressor function impairs AKT signaling pathway

Poster: Y.L. Shiue (Taiwan)

- 463 Tailored cell cycle-targeting combinations as an effective first- and second-line therapy in patient-derived models of pancreatic cancer

Poster: M. Pajic (Australia)

- 465 Reliable inference of genes associated with resistance to immuno and targeted cancer therapy

Poster: P. Jiang (USA)

- 466 Community shifts in the oral microbiome across the spectrum from benign breast disease to invasive breast cancer

Poster: T. Hieken (USA)

- 467 Thyroid hormones and TR β agonists as potential therapeutic agents in HCC

Poster: E. Puliga (Italy)

- 468 Optical Imaging of $\alpha\beta$ 3 integrin expression with a new Near-Infrared Fluorescent RGD probe

Poster: A. Cordaro (Italy)

- 469 Aryl hydrocarbon receptor regulates histone deacetylase 8 expression to repress tumor suppressive activity in hepatocellular carcinoma
Poster: S.N. Wang (Taiwan)
- 471 Mechanisms of acquired resistance to cetuximab: Role of interleukin 1
Poster: V. Gelfo (Italy)
- 470 Synergistic effect of PI3K and FAK inhibition in squamous lung cancer cells with reduced PTEN level
Poster: A. Cavazzoni (Italy)
- 473 Investigating the role of circulating tumor cells in biliary tract cancer
Poster: C. Reduzzi (Italy)
- 472 Multi-omics profiling of sequential tumor and liquid biopsies allowed identification of biomarker candidates of therapeutic resistance in metastatic colorectal cancer; Q-CROC-01: NCT00984048
Poster: K. Gambaro (Canada)
- 474 Targeting cyclin-dependent kinases in osteosarcoma can increase the efficacy of DNA damaging drugs
Poster: M. Serra (Italy)
- 475 Development and characterization of microfluidic models of the tumour microenvironment for translational research
Poster: M. Virumbrales-Munoz (Spain)
- 476 The association of Palbociclib with PI3K inhibitors as a new therapeutic strategy in the treatment of Mesothelioma
Poster: G. Digiacoimo (Italy)
- 479 Prognostic significance of PD-L1, PD-L2, Caspase 3, and Ki-67 expressions in resected Non-Small Cell Lung carcinoma
Poster: J. Yoo (South Korea)
- 478 Immunohistochemical profiling of c-Met, VEGF, TGF- β RII and PTEN, and EGFR mutation in surgically resected Non-Small Cell Lung carcinoma: Their correlation and prognostic significance
Poster: J. Yoo (South Korea)
- 477 Potential biomarkers for personalized oncology radiation in uterine cervical cancer
Poster: P. Moreno-Acosta (Colombia)
- 480 The effect of accumulation of mutated gene, K-RAS, in gastrointestinal cancer cells and IGF-1R blockades
Poster: Y. Adachi (Japan)
- 483 Tumour inherent IFN regulators as biomarkers of metastasis and immunotherapeutic response in breast cancer
Poster: B. Parker (Australia)
- 482 Effect of combining osimertinib with trastuzumab emtansine (T-DM1) or pemetrexed in NSCLC cell lines carrying EGFR activating mutations
Poster: R. Alfieri (Italy)

- 481 The role of pancreatic cancer metabolic rewiring in driving the expression of CES2, a predictor of response to FOLFIRINOX therapy
Poster: M. Capello (USA)
- 484 In vivo and in vitro activity of a new Anti-Cancer Phenolato Titanium(IV) Complex
Poster: O. Braitbard (Israel)
- 485 Dissecting primary resistance to anti-EGFR monoclonal antibodies in RAS and BRAF wild-type metastatic colorectal cancer (mCRC): a case-control study
Poster: C. Cremolini (Italy)
- 486 Developing an NIR heatable EDGS films to simultaneously detect, quantity and remove hydrogen peroxide in solution with index by fluorescent intensity
Poster: T.W. Chung (Taiwan)
- 487 Universal consent for bio-specimens: A novel electronic/video consent
Poster: A. Naeim (USA)
- 488 miRNA targets of CXCR4 in synovial sarcoma
Poster: L. Pazzaglia (Italy)
- 491 Bioanalytical PK support for immunotherapeutics: The need for sensitivity combined with broad assay range – case studies
Poster: M. Spengler (Germany)
- 492 Bioanalytical method for ultra sensitive quantification of interleukin-6 to support clinical phase III trial
Poster: M. Spengler (Germany)
- 489 Development of an Immuno-PCR assay combining broad assay range and excellent sensitivity to support development of a immuno modulator antibody drug
Poster: M. Spengler (Germany)
- 490 Phase I clinical trial of high purity and activity NK cells therapy in combination with IgG1 antibody in patients with gastric or colorectal cancer
Poster: T. Ishikawa (Japan)
- 493 Xenospheres: a comprehensive patient-derived in vitro model to study response and resistance to targeted therapies in metastatic colorectal cancer
Poster: P. Luraghi (Italy)
- 494 Chimeric Antigen Receptor (CAR) T-cell immunotherapy for MUC1-positive breast cancer
Poster: A. Gavriil (United Kingdom)
- 496 Phase I/II CANON study: Oncolytic immunotherapy for Non-Muscle Invasive Bladder Cancer (NMIBC) using Intravesical Coxsackievirus A21
Poster: H. Pandha (United Kingdom)
- 495 Targeting Chronic Myeloid Leukemia Stem Cells with the ERK5 pathway inhibitors
Poster: I. Tusa (Italy)

Sun 25 Jun**- 10:15 - 17:00****Poster Session: Tumour Immunology I**

- 536 Selective expression of a potent anti-survival protein, Clusterin, in monocytes allows exquisite chemotherapeutic targeting of Myeloid-Derived Suppressor Cells in breast cancer
Poster: J. Djeu (USA)
- 537 Microenvironment in tumor-draining lymph nodes from patients with HPV-related vulvar cancer
Poster: M. Heeren (Netherlands)
- 538 Distinct immune status in patients with adenocarcinoma and squamous cell carcinoma: Implication for immunotherapy of non-small cell lung cancer
Poster: N. Hradilova (Czech Republic)
- 539 Formyl peptide receptor 1 inhibits gastric cancer angiogenesis and growth by controlling omega-3 and omega-6 polyunsaturated fatty acids metabolism
Poster: N. Prevete (Italy)
- 541 Liposomal phosphodiester (PO)-CpG enhanced recombinant lipidated HPV E7-induced antitumor immunity
Poster: S.J. Liu (Taiwan)
- 540 Immune microenvironment of experimental rat C6 gliomas resembles human glioblastomas and is modulated by tumor-derived Osteopontin
Poster: A. Gieryng (Poland)
- 542 PD-L1 is a therapeutic target of the BET protein inhibitor JQ1 and a promising prognostic biomarker in neuroblastoma when combined with HLA class I
Poster: O. Melaiu (Italy)
- 545 Resistance mechanisms to PD-1 therapy in melanoma: Three cases
Poster: K. Wells (USA)
- 544 Indoleamine 2,3-dioxygenase regulates anti-tumor immunity in lung cancer by metabolic reprogramming of immune cells
Poster: J. Deshane (USA)
- 543 Deciphering HLA motifs across HLA peptidomes correctly predicts neo-antigens
Poster: M. Bassani-Sternberg (Germany)
- 548 Targeted Interferon gene delivery reprograms the tumor microenvironment and induces protective immunity against multiple neo-antigens
Poster: G. Escobar (Italy)
- 546 Immune microenvironment changes in EGFR tyrosine kinase inhibitor resistant mutant hEGFR bitransgenic mice model
Poster: S.H. Hong (Korea)
- 549 Visualization of intravital melanoma-T cell interaction in human cell derived xenografts

Poster: Y. Wolf (Israel)

- 551 Immunomodulatory action of hypomethylating agent Guadecitabine in ovarian cancer
Poster: M. Natoli (United Kingdom)
- 550 UCP2-regulated immunostimulatory shift in the tumor microenvironment of melanomas
Poster: W.C. Cheng (Switzerland)
- 552 Myeloid and lymphoid dendritic cells in type I and type II of ovarian cancer
Poster: I. Wertel (Poland)
- 553 The role of tumor-associated macrophage in colorectal cancer
Poster: Y.B. Cho (Korea)
- 555 Neuronal autoantibodies are prognostic in small cell lung cancer patients and predictive for response to immunochemotherapy
Poster: M. Hardy Werbin (Spain)
- 554 Elucidating microglia/macrophages heterogeneity in glioblastoma by single-cell transcriptomics
Poster: A. Michelucci (Luxembourg)
- 556 A differentiated CD47 therapeutic antibody recognizing a novel epitope and sparing erythrocytes and platelets
Poster: T. Guo (China)
- 557 Theranostic evaluation of the combination of hypofractionated radiotherapy and IL-2/anti-IL-2 complexes in tumor-bearing mice
Poster: G. Niedermann (Germany)
- 560 A three-dimensional ex vivo platform for assessing targeted immunotherapeutic agents
Poster: F. Chiovaro (Switzerland)
- 559 The interplay between anti-cd20 therapeutic antibodies and human natural killer cells: Impact of antibody fc engineering
Poster: C. Pighi (Italy)
- 558 Nivolumab treatment of metastatic renal cancer patients impairs Tregs and potentiates NK function: The role of CXCR4 inhibition (The "ReVoluTion" Trial)
Poster: A.M. Trotta (Italy)
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Mon 26 Jun

- 10:15 - 17:00

Poster Session: Cancer Genomics, Epigenetics and Genome Instability II

- 116 Implementation of a precision medicine program in pediatric oncology - Results of the pilot study
Poster: C. Robledo (Spain)

117

Identification of novel cancer biomarkers of prognostic value using specific gene regulatory networks (GRN): a novel role for RAD51AP1 for ovarian and lung cancers
Poster: D. Chudasama (United Kingdom)

- 118 Identification of new KEAP1 isoforms – a potential biomarker in HCC?
Poster: S. Blois (France)
- 119 NF-kB-dependent regulation of TET1 in breast cancers
Poster: A. Canale (Belgium)
- 120 Expression analysis of miR-21, miR-205, EGFR, MINA53 and mTOR in Bulgarian patients with non-small cell lung cancer
Poster: V. Petkova (Bulgaria)
- 121 microRNAs in immunogenic cancer cell death
Poster: M. Ravo (Italy)
- 122 Combined use of NGS and dPCR for liquid biopsy of non-metastatic colorectal cancer patients at surgery
Poster: M. Allegretti (Italy)
- 123 Correlation of CIMP status with clinico-pathological and molecular features of histological variants of colorectal carcinoma
Poster: M.C. Turpín Sevilla (Spain)
- 124 Genome-wide analysis of liquid biopsies reveals novel layer of tumor heterogeneity in stage 4/M neuroblastoma
Poster: P.F. Ambros (Austria)
- 125 Novel hypermethylated tumor suppressor genes as indicators of decitabine sensitivity in breast cancer
Poster: M. Thomas (Canada)
- 126 Discovery of novel methylated biomarkers for early colorectal cancer
Poster: P. Zavattari (Italy)
- 128 Genome-wide profiling identifies the THYT1 signature as a distinctive feature of widely metastatic Papillary Thyroid Carcinomas
Poster: A. Ciarrocchi (Italy)
- 127 Ultra-deep sequencing of cell-free DNA for screening and monitoring gynecological cancers
Poster: C. Schumacher (USA)
- 129 Identification of epigenetic regulators of resistance to HER2-targeted antibodies
Poster: M. Gale (USA)
- 130 Low frequency variant detection and tissue-of-origin exploration using liquid biopsies
Poster: V. Kelchner (USA)
- 131 Identifying potentially causal epigenetic markers as novel therapeutic targets for breast cancer
Poster: C. He (USA)

Mon 26 Jun**- 10:15 - 17:00****Poster Session: Cell and Tumour Biology II**

- 218 Role of CAFs-secreted extracellular vesicles in tumor progression
Poster: A. Toti (Italy)
- 219 PGE2 signaling induces EGFR nuclear translocation and tumor growth in lung adenocarcinoma cells
Poster: L. Bazzani (Italy)
- 220 Discovery and characterisation of two epithelial-mesenchymal transition (EMT)-promoting metastamiRs: miR-181b-3p and miR-5003-3p
Poster: Y.H. Han (Korea)
- 224 Breast tumour kinase (Brk) modulates drug responses in breast cancer cell lines
Poster: H. Hussain (United Kingdom)
- 222 Role of extracellular matrix-tumor cell interaction in breast cancer aggressiveness
Poster: M. Giussani (Italy)
- 223 The $\alpha\text{v}\beta 3$ integrin blockade by an RGD disintegrin inhibits F-actin polymerization without inducing apoptosis in triple negative breast cancer cells
Poster: H.S. Selistre de Araujo (Brazil)
- 227 Exosomes secreted from human cancer cells influence the adhesion of neighboring metastatic cells: Role of microRNA-210
Poster: E. Bigagli (Italy)
- 225 miRNA Biomarker Candidates for the Accurate Detection of Endometrial Atypical Complex Hyperplasia: Implications for cancer development
Poster: S. Giglio (Italy)
- 226 Lipid metabolic reprogramming in ER positive breast cancer cells following long-term oestrogen deprivation
Poster: M. Bacci (Italy)
- 228 Downregulation of Alpha-L-Fucosidase expression is related to dedifferentiation and worse prognosis in thyroid and breast cancer
Poster: M.D. Castellone (Italy)
- 230 Murine animal models of Ewing Sarcoma: Role of the microenvironment
Poster: L. Gonzalez (Spain)
- 229 Investigation of the role of UBE2T in hepatocellular carcinoma
Poster: E. Lioulia (Greece)
- 233 Regulation of tissue factor by epithelial-mesenchymal transitions: Impacts for the metastatic progression
Poster: M.E. Francart (Belgium)

- 231 Deciphering the molecular architecture of triple negative breast cancer
Poster: L. Trilla-Fuertes (Spain)
- 232 Pancreatic cancer-related inflammation: in vivo screening to identify key targetable molecules
Poster: C. Roux (Italy)
- 237 A tumour suppressor role of TBX3 in fibrosarcoma
Poster: R. Omar (South Africa)
- 236 Digital sorting and molecular characterization of CTCs and FFPE specimens with single-cell resolution unveils intra-tumor heterogeneity in lung adenocarcinoma
Poster: M. Terracciano (Italy)
- 234 Mitochondria as cafs-fuelled powerhouse for prostate carcinoma cells
Poster: L. Ippolito (Italy)
- 235 Implication of epithelial-mesenchymal transition (EMT) on the formation of fibrin(ogen)-rich vascular nests for circulating tumor cells (CTCs)
Poster: J. Lambert (Belgium)
- 240 Anticancer potential of novel steroid derivatives
Poster: I. Matic (Serbia)
- 241 New evidences of Metformin effectiveness on vemurafenib-treated BRAFV600E acidic melanoma cells
Poster: F. Bianchini (Italy)
- 238 Translational repression of pro-apoptotic mRNAs by DHX30 inhibits p53-dependent apoptosis
Poster: D. Rizzotto (Italy)
- 239 HIF-1 inhibition and TLR3 stimulation as combined antitumor treatment of apoptosis-resistant human breast cancer cells
Poster: F. Scatozza (Italy)
- 245 The bHLH transcription factors DEC1 and DEC2 promote aggressiveness of Papillary Thyroid Carcinoma
Poster: C. Gallo (Italy)
- 244 Short-term inhibition of TERT induces telomere length-independent cell cycle arrest and apoptotic response in EBV-immortalized and transformed B cells
Poster: A. Celeghin (Italy)
- 243 Blocking the PI3K pathway in liver metastasis from colorectal cancer reduces the local immunosuppression
Poster: R. Gieling (United Kingdom)
- 242 ZEB1-mediated melanoma cell plasticity enhances resistance to MAPK inhibitors
Poster: J. Caramel (France)
- 248 NSCLC depend upon YAP expression and nuclear localization after acquiring resistance to EGFR inhibitors
Poster: M. McGowan (Norway)
- 249 Loss of PI3K-C2 γ , a class II PI3K, promotes KRAS-driven pancreatic tumor

Poster: M.C. De Santis (Italy)

- 246 The extracellular regulated protein kinase 5 (ERK5) is a key regulator of macrophage activation in tumour
Poster: E. Giurisato (United Kingdom)
- 247 Inhibition of Stearoyl-CoA desaturase 1 (SCD1) enzymatic activity reverts BRAFi/ MEKi – induced selection of melanoma cancer stem cells
Poster: M.E. Pisanu (Italy)
- 252 Tumour heterogeneity and clonal evolution in a murine model of osteosarcoma
Poster: S. Gambera (Spain)
- 251 The new cyclins increase the proliferation and migration of Lung Cancer cells
Poster: A. Sanchez Botet (Spain)
- 250 Che-1/AATF: a direct target of c-Myc drives cell proliferation in pediatric B-cell precursor acute lymphoblastic leukemia
Poster: V. Folgiero (Italy)
- 256 Glutamine deprivation in breast cancer: an additional tool for targeted therapy
Poster: A. Chinnici (Italy)
- 255 BET inhibitors repress the expression of RUNX2 through the disruption of the interplay between the promoter and the enhancers
Poster: V. Sancisi (Italy)
- 253 A network of microRNAs potentially regulating metabolic pathways in renal cancer
Poster: J. Boguslawska (Poland)
- 254 Absence of neurofibromin induces an oncogenic metabolic switch via mitochondrial ERK-mediated phosphorylation of the chaperone TRAP1
Poster: A. Rasola (Italy)
- 258 Differentiation affects the release of exosomes from colon cancer cells and their ability to modulate the behavior of recipient cells
Poster: D. Lucchetti (Italy)
- 257 Mitochondria as cisplatin targets: new approach to counteract resistance mechanism
Poster: V. Cocetta (Italy)
- 261 High frequency and prevalence of Yellow Fever virus-specific CD8 T cells can be inherited
Poster: A. Bovay (Switzerland)
- 262 Targeting mitochondrial ROS generation prevents doxorubicin-induced tumor cell aggressiveness
Poster: P. Porporato (Belgium)
- 259 The anti-inflammatory protein MCP1P1 regulates the malignant phenotype and metastatic progression of ccRCC cells
Poster: K. Miękus (Poland)
- 260 Long non-coding RNAs: A new class of diagnostic biomarkers in human parathyroid tumors
Poster: A. Morotti (Italy)

- 263 Ferritin Heavy Chain induces p53-mediated apoptosis by controlling the expression of miR-125b in H460 cells
Poster: F. Biamonte (Italy)
- 264 BET bromodomain proteins regulate immune checkpoints in triple negative breast cancer
Poster: G. Denis (USA)
- 267 Characterization of metabolic reprogramming in melanoma by inhibition of OXPHOS
Poster: M. Pistoni (Italy)
- 266 Proline Dehydrogenase expression and regulation in Non Small Cell Lung Carcinoma
Poster: P. Campomenosi (Italy)
- 265 Characterization of glycolytic metabolism-related proteins in cancer of unknown primary
Poster: C. Pinheiro (Portugal)
- 268 PD1 and GITR combination immunotherapy drives durable anti-tumor responses
Poster: D. Skokos (USA)
- 269 Acyl-CoA thioesterase 7 is involved in cell cycle progression
Poster: S.H. Jung (Korea)
- 270 Rationales for using cancer stem cells markers and MMPs in staging of papillary thyroid carcinoma in Iraqi patients
Poster: N. Mahmood (Iraq)
- 271 Targeting the metabolic addiction of metastatic cancer-initiating cells in TNBC
Poster: L. Cardone (Italy)
- 272 The role of cancer/testis antigen DDX53 in cancer stemness and autophagy
Poster: Y. Kim (Korea)
- 273 ETV7 drives doxorubicin-resistance in breast cancer cells via modulation of DNAJC15 expression
Poster: L. Pezzè (Italy)
- 274 MCP1P1 regulates vascularity of clear cell renal cell carcinoma via IL-6 and IL-8
Poster: P. Marona (Poland)
- 275 PATZ1 is a new diagnostic and prognostic marker of glioblastoma enriched in the proneural subtype and involved in counteracting the proneural-to-mesenchymal transdifferentiation through downregulation of CXCR4
Poster: L. Cerchia (Italy)
- 277 The in vitro anticancer activity of novel phenothiazines in brain cancer cells
Poster: S. Omoruyi (South Africa)
- 278 miR-214 and miR-148b coordinate breast cancer and melanoma progression and are putative targets for therapy
Poster: F. Orso (Italy)
- 276 The shelterin protein TRF2 can alter the secretoma of colon cancer cells with an impact on tumor angiogenesis

Poster: P. Zizza (Italy)

- 281 Bcl-2 regulates miR-378a-5p expression in melanoma
Poster: M.G. Tupone (Italy)
- 280 Targeting oncogene-dependent replication stress with PARP inhibitors and cell cycle modulators for the treatment of MYCN-overexpressing tumors
Poster: V. Colicchia (Italy)
- 279 p140Cap protein counteracts ERBB2-dependent tumor progression through inhibition of Rac dependent pathways
Poster: J. Chapelle (Italy)
- 284 Functional significance of the interaction of ubiquitin ligase Pirh2 with RNA-binding protein HuR
Poster: A. Daks (Russian Federation)
- 285 Point mutation of Sam68 leads to cytoplasmic retention in different cancer cell lines
Poster: E. Vasileva (Russian Federation)
- 282 Aberrant choline metabolism in epithelial ovarian cancer: at the cross-road of chemoresistance and immune evasion
Poster: A. Rizzo (Italy)
- 283 Deciphering the role of ChrXq27.3 miRNA cluster in regulating drug response in epithelial ovarian cancer
Poster: R. Nicoletti (Italy)
- 287 Mechanisms of acquired resistance of HER-2 overexpressing breast cancer cells to small molecule tyrosine kinase inhibitors
Poster: A. Stanley (United Kingdom)
- 286 MT1 melatonin receptor as a prognostic marker in breast tumors
Poster: D. Zuccari (Brazil)
- 288 Pim kinases promote metastatic growth of prostate cancer cells
Poster: P. Koskinen (Finland)
- 289 MDM2 ubiquitin-ligase affects cancer-related metabolism
Poster: O. Shuvalov (Russian Federation)
- 290 Combination therapy of oncolytic herpes virus and anti-angiogenesis agent (bevacizumab) against human gastric cancer xenograft
Poster: H. Kasuya (Japan)
- 291 Mitochondrial genome defects as identifier of the “at risk” metastatic subtype among triple negative breast tumors
Poster: M. Guha (USA)
- 292 Neogenin-1 participates in metastasis through Integrin β 1 activation in neuroblastoma
Poster: V. Palma (Chile)

Mon 26 Jun**- 10:15 - 17:00****Poster Session: Experimental/Molecular Therapeutics, Pharmacogenesis II**

- 343 Idiotypic-specific peptides as tool for multiple myeloma monitoring by tumor-derived exosomes targeting in 5T33MM mouse model
Poster: E. Iaccino (Italy)
- 342 Conjugates of PAMAM dendrimers with doxorubicin and vector protein decrease survival of cancer cells demonstrating resistance to traditional anticancer agents in vitro
Poster: E. Selivanova (Russian Federation)
- 344 A plant-derived potential new drug 'G' targets TYMS and GOT1 genes to kill pancreatic ductal adenocarcinoma cells at low doses
Poster: P. Chivers (United Kingdom)
- 347 Distinct camptothecin-induced deaths in lung cancer cells caused by clathrin-mediated internalization of micelles
Poster: L.F. Wang (Taiwan)
- 346 Development and characterization of small interfering RNA (siRNA) loaded zein-sodium caseinate nanocomplexes for treating pancreatic cancer
Poster: C.M. Hsieh (Taiwan)
- 345 Multifunctional nanocapsules with multistage size-shifting ability for enhancing permeation in deep tumor tissue
Poster: Y.H. Lai (Taiwan)
- 349 Tumor heterogeneity affects the activity of EGFR tyrosine kinase inhibitors in EGFR-mutant non-small cell lung cancer (NSCLC) patients
Poster: A.M. Rachiglio (Italy)
- 348 The relevance of mPGES-1/PGE2 signalling in acquired resistance to EGFR TK inhibitor in non-small cell lung cancer cell lines
Poster: E. Terzuoli (Italy)
- 353 Resveratrol represses Hsp27 expression in human glioma cells
Poster: E. Öney Uçar (Turkey)
- 352 Development and characterization of lecithin stabilized micellar drug delivery system for improving efficacy and safety of chemotherapy in CT-26 colon carcinoma
Poster: L.C. Chen (Taiwan)
- 351 Development of a new orally absorbable lactoferrin-heparin conjugate with antiangiogenic activity to cure brain cancer
Poster: H.H. Hwang (Korea)
- 355 Effects of rosmarinic acid and siRNA combined therapy on heat shock protein 27 expression in human glioma cells
Poster: A. Şengelen (Turkey)

- 354 The effects of vitamin E on molecular damages induced by indomethacin in glioma cells
Poster: N. Arda (Turkey)
- 357 Gellan gum/ grapheme/doxorubicin preparation and performance assessment multifunctional arterial embolization microsphere for hepatoma therapy
Poster: M.W. Lee (Taiwan)
- 356 Identification and characterization of SSE15206, a microtubule depolymerizing agent that overcomes multidrug resistance
Poster: A. Faisal (Pakistan)
- 360 Aptamer-mediated inhibition of EGFR and PDGFR β blocks vasculogenic mimicry and growth of triple-negative breast cancers
Poster: L. Cerchia (Italy)
- 359 Lactoferrin-conjugated gold nanoparticle for targeting glioblastoma multiforme photothermal therapy via oral delivery
Poster: H. Kim (South Korea)
- 358 Detaching Hexokinase 2 from mitochondria elicits a Ca²⁺-dependent apoptosis in cancer cells and reduces tumor growth
Poster: F. Ciscato (Italy)
- 363 Identification and characterization of NMS-P830, an ATP-mimetic choline kinase inhibitor
Poster: P. Gnocchi (Italy)
- 362 miR-126 is downregulated in melanoma cells with acquired resistance to dabrafenib and its restoration impairs proliferation, invasiveness and VEGF secretion
Poster: S. D'Atri (Italy)
- 361 UNIPR1331, a pan ephrin receptor antagonist, impairs the glioma stem-like cells-induced vasculogenesis promoting neuronal/glial differentiation
Poster: C. Festuccia (Italy)
- 366 Acquired resistance to HER2-targeted therapies is associated with EMT
Poster: N. Tracey (United Kingdom)
- 365 Viscum album Extracts Downregulate the Expression Levels of Hsp27 in Brain Tumors
Poster: E. Mertoğlu (Turkey)
- 364 Nucleotide-modified RNA-aptamer inhibits in vitro cell-proliferation of Burkitt lymphoma, but not B-cell lymphoblastoid or T-cell lymphoma cell lines
Poster: I. Holodnuka (Latvia)
- 368 The repositioning of anti-malarial compounds for anticancer activity in breast cancer
Poster: A. Neumann (South Africa)
- 369 Increased tumor infiltration by cellular viroimmunotherapy: mesenchymal stem cells as cell carriers for oncolytic virus
Poster: A. Morales-Molina (Spain)
- 367 Regulation of chemokines CXCR4/CXCL12 axis and HER2 by estrogen and Progesterone in breast cancer cells: investigation the crosstalk between HER2 and CXCR4 signalling pathways

Poster: S. Kakel (United Kingdom)

- 370 Dual Inhibition of FLT3 and Src Pathways by ON150030, a Type 1 Inhibitor, as a Novel Strategy for Relapsed and Refractory AML
Poster: H. Ghaffari (USA)
- 371 Metronomic topotecan causes mycn inactivation and impedes tumor growth selectively in mycn-amplified neuroblastoma cells in vitro and in vivo by therapy induced senescence
Poster: S. Taschner-Mandl (Austria)
- 372 miRNAs and lncRNAs as molecular biomarkers of response to Sorafenib in human hepatocellular carcinoma cells
Poster: T. Faranda (Italy)
- 373 Inhibition of bone marrow-derived mesenchymal stem cells homing towards breast cancer microenvironment using an anti-PDGFR β aptamer
Poster: L. Cerchia (Italy)
- 375 Metronomic combination of 5-Fluorouracil and Vinorelbine reveals low-grade toxicity on Human Umbilical Vein Endothelial Cells and Triple Negative Breast Cancer cells. The VICTOR-0 proof-of-concept study
Poster: M.G. Cerrito (Italy)
- 376 Inecalcitol induces CD38 expression in multiple myeloma cell lines
Poster: R. Delansorne (France)
- 374 Loss of HER2 and gain of tumor aggressiveness in HER2 positive mammary tumors: to go beyond anti-HER2 therapy
Poster: A. Palladini (Italy)
- 378 p65BTK as a novel therapeutic target in ovarian cancer
Poster: E. Grassilli (Italy)
- 377 Targeted transduction of cancer cells with cytopathic alphavirus coupled to magnetic nanoparticles
Poster: A. Zajakina (Latvia)
- 379 The structure-based design, synthesis, and evaluation of potent dual BET-JAK2 inhibitors as a new anticancer therapeutic strategy
Poster: N. Lawrence (USA)
- 381 FOXO1 promotes resistance of Non-Hodgkin lymphomas to anti-CD20-based therapy
Poster: A. Zerrouqi (Poland)
- 380 "Blood-brain-barrier spheroids" maintain key barrier characteristics in vitro: A screening platform for brain-penetrating agents
Poster: C.F. Cho (USA)
- 382 ER α as new potential target against chemoresistance in human breast cancer
Poster: D.C. Belisario (Italy)
- 383 Pim kinase: A mechanism of resistance to PI3K-mTOR inhibition in NSCLC
Poster: K. Gately (Ireland)

- 384 Targeting the heparin-binding domain of fibroblast growth factor receptor 1 for cancer therapy
Poster: L. Ling (Singapore)
- 386 Suppression of medulloblastoma lesions through forced migration of preneoplastic precursor cells by Cxcl3
Poster: M. Ceccarelli (Italy)
- 385 Folate-linked lipoplexes for lung cancer cells and tumor-associated macrophages targeting BIM gene delivery in mice xenografts
Poster: Y. Tie (China)
- 387 In vitro Cytotoxicity of Ethanol extracts of Euphorbia hirta on B16F10 human melanoma cell line
Poster: S.M. Mishra (India)
- 388 Single agent PI3K inhibitors induce robust prostate cancer cell death In vivo via microdevice implantation
Poster: A. Patnaik (USA)
- 389 Lithium chloride alters cell plasticity in primary colon cancer cell cultures
Poster: M. De Rosa (Italy)
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Mon 26 Jun

- 10:15 - 17:00

Poster Session: Molecular and Genetic Epidemiology

- 390 A polymorphism of VEGF -2489C>T is associated with prostate cancer susceptibility in Mexicans
Poster: A. Martínez-Rizo (Mexico)
- 391 SOKAL & EUTOS scores are not predictive for clinical outcome in patients with chronic phase chronic myeloid leukemia treated with imatinib
Poster: N. Bhutani (India)
- 392 Effect of genetic variation in microRNA binding site in WNT1-inducible signaling pathway protein 1 gene on oral squamous cell carcinoma susceptibility
Poster: Y.E. Chou (Taiwan)
- 393 CHEK2 I157T and SULT1A1 Arg213His variants and Breast Cancer susceptibility: a case-control study and updated meta-analysis
Poster: N. Osman (Egypt)
- 394 Germline mutations in brca1 and brca2 in women with epithelial ovarian carcinoma (eoc) and its relationship with tumor phenotype
Poster: C. Hinojo Gonzalez (Spain)
- 395 Contribution of BRCA1 large genomic rearrangements to early-onset and familial breast/ovarian cancer in Pakistan
Poster: M.U. Rashid (Pakistan)

- 396 Genetic susceptibility variants for lung cancer: replication study and assessment as expression quantitative trait loci
Poster: F. Colombo (Italy)
- 397 Molecular profiling of Non-Small Cell Lung Cancer in a Nova Scotian patient cohort
Poster: A. Alwithenani (Canada)
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Mon 26 Jun

- 10:15 - 17:00

Poster Session: Radiobiology/Radiation Oncology II

- 420 Potential benefit of proton beam therapy in triple negative breast cancer treatment
Poster: S. Park (South Korea)
- 422 Evaluation of the relative biological effectiveness of proton beam irradiation in hepatocellular carcinoma cell lines
Poster: A. Son (South Korea)
- 421 Combination therapy with histone deacetylase inhibitor, panobinostat and proton irradiation is an effective regimen for hepatocellular carcinoma cells
Poster: G.H. Lee (Korea)
- 423 A 25 MeV proton irradiation platform for radiobiological studies
Poster: J. Constanzo (France)
- 424 Rat brain region-specific sensitivity following localized irradiation
Poster: J. Constanzo (France)
- 425 Downregulation of BCL10 enhances radiosensitivity of pancreatic cancer cells through attenuating the activation of NF- κ B signaling and double-strand break repair
Poster: M.F. Wei (Taiwan)
- 426 different radioresistant gene expression profiles in two novel established human melanoma cell lines
Poster: C. Arienti (Italy)
- 427 Ionizing radiation abrogates the pro-tumorigenic effects exerted by admixed Cancer-Associated Fibroblasts in xenografts
Poster: T. Hellevik (Norway)
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Mon 26 Jun

- 10:15 - 17:00

Poster Session: Signalling Pathways II

- 444 Anti-proliferative effect of targeting CDK4/6 and mTOR alone or in combination in sarcoma cell lines

Poster: X. Wang (Australia)

- 445 Effects of the endocrine disrupting chemical bisphenol A (BPA) in human choriocarcinoma placental cells
Poster: S.C. Jahn (Austria)
- 446 Involvement of Histone Methyl Transferase DOT1L on estrogen-mediated transcriptional regulation in breast cancer
Poster: G. Nassa (Italy)
- 448 A chemoproteomic approach reveals massive reprogramming of the epithelial cell surface during oncogenic KRAS-mediated transformation
Poster: L. Aubert (Canada)
- 449 Mitochondrial reactive oxygen species prime T-cell acute lymphoblastic leukemia to cell death by engaging the OMA1-OPA1 axis
Poster: M. Silic-Benussi (Italy)
- 450 Decoding cancer heterogeneity: Using an information-theoretic approach to crack patient-specific protein network structures
Poster: E. Flashner (Israel)
- 451 ALK-independent repurposing opportunities for ceritinib in lung cancer
Poster: U. Rix (USA)
- 452 Improved response of B-cell malignancies to rituximab upon FOXO1 inhibition
Poster: B. Pyrzynska (Poland)
- 453 Epithelial-mesenchymal plasticity drives growth factor discordance and drug resistance in metastatic breast cancer
Poster: M. Wendt (USA)
- 454 CAGE derived peptides confers sensitivity to anti-cancer drugs by inhibition of CAGE binding to GSK3 β and decreasing the expression of cyclinD1
Poster: M. KIM (Korea)
- 455 The Interleukin-1 receptor/Toll-like receptor family member TIR8 is downregulated in chronic lymphocytic leukemia
Poster: M.G. Vilia (Italy)
- 456 IQGAP1 is a novel interactor of endothelin-1 receptor/ β -arrestin1 network to promote invadopodia in ovarian cancer
Poster: L. Chellini (Italy)
- 457 Reduction of SKP2 prevents cell cycle progression and induces differentiation in embryonal rhabdomyosarcoma by increasing p21Cip1 and MYOG levels
Poster: S. Pomella (Italy)
- 458 Post transcriptional regulation of microRNA processing enzyme Dicer1 in PMA treated K562 cells
Poster: P. Muiwo (India)

Mon 26 Jun**- 10:15 - 17:00****Poster Session: Translational Research II**

- 497 Gastro-esophageal Patient-Derived Xenografts (PDXs) as a tool to improve treatment of HER2+ tumors and identify predictors of resistance
Poster: M. Apicella (Italy)
- 498 Novel targeted therapies for castrate-resistant prostate cancer; the potential of Serum Response Factor
Poster: M. Prencipe (Ireland)
- 500 Mutational analysis of BRCA1 and BRCA2 genes in circulating-free DNA in advanced stage epithelial ovarian cancer
Poster: L. Paracchini (Italy)
- 499 CXCL12 driven-circulating tumor cells diversion by a “metastases trap”
Poster: C. Ieranò (Italy)
- 502 Overexpression of MAP3K1 is closely associated with the prognosis of patients with hormone receptor-positive early breast cancer
Poster: S.H. Kuo (Taiwan)
- 501 Omics data integration approaches to investigate high grade serous ovarian cancer spatial heterogeneity
Poster: L. Mannarino (Italy)
- 503 Genomic and transcriptomic signature integration to investigate spatial heterogeneity in High Grade Serous Epithelial Ovarian Cancer
Poster: I. Craparotta (Italy)
- 505 A genome-wide screen identifies VAMP2 as a novel mediator of paclitaxel resistance in breast cancer
Poster: T. Huynh (Canada)
- 504 Whole exome sequencing of tumors samples from a Skin Cancer Biorepository: Fresh/frozen versus formalin-fixed paraffin embedded
Poster: C. Amato (USA)
- 506 LKB1 expression correlates with increased survival in advanced non-small cell lung cancer patients treated with chemotherapy and bevacizumab
Poster: G. Nardo (Italy)
- 507 Molecular characterization of spatial and temporal heterogeneity in epithelial ovarian cancer: implications for treatment
Poster: S. Ballabio (Italy)
- 510 Functional characterization of colorectal cancer molecular subtypes
Poster: A. Gámez-Pozo (Spain)
- 509 Molecular architecture of tolerance to neoadjuvant treatment in breast cancer

Poster: A. Gámez-Pozo (Spain)

- 508 Predictive power of hERG1 potassium channel expression for response to Bevacizumab in metastatic in colorectal cancer patients
Poster: A. Arcangeli (Italy)
- 511 New translational method for tumor's rheological and microenvironment evaluations: Optical Flow tracing and Particle Image Velocimetry methods applied to contrast ultrasound imaging
Poster: P. Giustetto (Italy)
- 513 EGFR pathway dysregulation in EphA2 cells and correlation with colorectal cancer progression, prognosis and prediction of therapy response
Poster: M. De Robertis (Italy)
- 512 PI3K-C2A regulates mitotic spindle assembly and chemotherapy response in breast cancer
Poster: M. Martini (Italy)
- 514 CAMLs and CTM in women treated for breast cancer: understanding the clinical value of circulating tumor associated cells
Poster: S. Di Cosimo (Italy)
- 515 New treatment modality for non-regressive oral papillomatosis in canine patient
Poster: E. Signori (Italy)
- 517 Evaluation of single cell co-expression profiles of immune checkpoint therapeutic targets in the tumor microenvironment of Non-Small Cell Lung Cancer
Poster: K. Wilkens (USA)
- 516 MDM2-inhibition sensitizes dedifferentiated liposarcomas to radiotherapy through enhanced senescence
Poster: S. Das (Germany)
- 518 Valproic Acid sensitizes colorectal cancer to chemotherapy by targeting cancer stem cell compartment
Poster: M.S. Roca (Italy)
- 520 Humanized JAA-F11, a highly specific anti-Thomsen-Friedenreich pancarcinoma antibody: preclinical specificity and efficacy analysis
Poster: K. Rittenhouse-Olson (USA)
- 519 V-ATPase proton pump profiling reveals two different classes in IDH wild type lower-grade glioma
Poster: A. Terrasi (Italy)
- 521 P21 activated kinase 4 as a novel therapeutic target for mTOR inhibitor Resistant Pancreatic Neuroendocrine Tumors
Poster: I. Muqbil (USA)
- 522 The Androgen Receptor is a negative regulator of eIF4E phosphorylation at S209: Implications in the use of mTOR inhibitors in advanced prostate cancer
Poster: P. Ghosh (USA)
- 525 The RNA binding protein LARP1 is a post-transcriptional regulator of cisplatin resistance in ovarian cancer

Poster: C. Stavraka (United Kingdom)

- 526 VHLdb: A database of von Hippel-Lindau protein interactors and mutations
Poster: G. Minervini (Italy)
- 523 Actionable targets identified through a molecular profiling of advanced paediatric tumors within the monocenter feasibility study (TRICEPS)
Poster: F. Khater (Canada)
- 524 Clinicopathological correlations of CD44, EGFR and p16 expressions in patients with oropharyngeal squamous cell carcinoma treated by radiation therapy
Poster: M. Slavik (Czech Republic)
- 528 The deubiquitinase USP13 as a novel therapeutic co-target in EGFR mutant non-small cell lung cancer
Poster: P. Giron (Belgium)
- 527 Whole exome sequencing identifies novel drug target in mucosal melanoma
Poster: J. Hintzsche (USA)
- 529 A new monoclonal antibody detects down-regulation of Protein Tyrosine Phosphatase Receptor Type γ in chronic myeloid leukemia patients
Poster: C. Sorio (Italy)
- 532 CCR5 blocking by Maraviroc inhibited microenvironmental interactions and exerted antitumor activity in tumor xenograft model of classical Hodgkin Lymphoma
Poster: N. Casagrande (Italy)
- 530 Correlation of circulating tumor DNA (ctDNA) level and Non-Small Cell Lung Cancer (NSCLC) tumor burden as approximated by RECIST criteria
Poster: V. Lam (USA)
- 531 The EMT blocking via increasing E-cadherin expression
Poster: M. Davoodzadeh Gholami (Iran)
- 533 Molecular profiling of circulating tumour DNA to stratify patients to early phase clinical trials within the MCRC TARGET trial
Poster: D.G. Rothwell (United Kingdom)
- 534 Using a mouse glioma model to study the participation of tumor vasculature in the response to therapy
Poster: P. Sánchez Gómez (Spain)
- 535 Characterizing metformin treatment response and sensitivity biomarkers in breast cancer
Poster: L. Anthes (Canada)

Mon 26 Jun

- 10:15 - 17:00

Poster Session: Tumour Immunology II

- 561 A chimeric DNA vaccine against CSPG4 for the treatment of malignant melanoma: an effective way to overcome immune tolerance in dogs and humans
Poster: E. Bolli (Italy)
- 563 CAF-released lactate induces an immunosuppressive environment which sustains prostate carcinoma progression via TLR8/miR21 axis
Poster: G. Comito (Italy)
- 562 OMV platform: a synthetic biology approach for cancer immunotherapy
Poster: A. Grandi (Italy)
- 565 The pro-angiogenic phenotype and functions of colorectal cancer Tumour infiltrating (TINKs) and tumour associated (TANKs) Natural Killer cells
Poster: A. Bruno (Italy)
- 564 Overcoming immune suppression in cervical cancer by local PD-(L)1 checkpoint inhibition
Poster: A. Stam (Netherlands)
- 566 Resistance mechanisms to anti-CSF1R therapy in tumor-associated macrophages
Poster: L. Pradel (Germany)
- 567 Identification of chemotherapy-induced antigens suitable for immunotherapy in pancreatic cancer patients
Poster: S. Bulfamante (Italy)
- 568 Exploiting RNA profiling of activated dendritic cells to improve vaccine potency assessment
Poster: J. Dal Col (Italy)
- 571 Anti-tumor immunization of mothers delays tumor development in cancer prone offspring
Poster: G. Barutello (Italy)
- 570 In vivo osteosarcomagenesis and tumor immunoediting: from early to late stage disease
Poster: S. Gambera (Spain)
- 569 Inhibitory immune checkpoint molecules in primary breast tumors
Poster: C. Solinas (Italy)
- 572 Mouse breast tumor growth and metastasis inhibition via immunotargeting of the cancer stem cell antigen xCT
Poster: S. Lanzardo (Italy)
- 574 High affinity bispecific EGFR/CD16A antibodies specifically recruit NK-cells to target EGFR-expressing tumors
Poster: M. Treder (Germany)
- 573 Immunotherapy against Non Small Cell Lung Cancer: Exploiting DNA vaccination against ROS1
Poster: F. Riccardo (Italy)
- 576 Superior safety profile and comparable efficacy of a localized CD137-activating DARPIn protein compared to urelumab
Poster: A. Link (Switzerland)

575

AFM26: A first-in-class, high affinity bispecific NK-cell engager targeting BCMA to treat multiple myeloma

Poster: U. Reusch (Germany)

- 578 Vascular responses to pembrolizumab and ipilimumab in patients with metastases to the brain receiving stereotactic radiosurgery
Poster: K. Emblem (Norway)
- 577 Local p53 activation in the tumor microenvironment with effective immune cell recruitment improves antitumor immunity and controls tumor progression
Poster: Y. Cui (USA)
- 580 Inhibition of tumor growth by cancer vaccine combined with metronomic chemotherapy and anti-PD-1 in a pre-clinical setting
Poster: M. Tagliamonte (Italy)
- 579 Novel domain-targeted anti-Trop-2 monoclonal antibodies exhibit complementary binding and synergic anti-tumor efficacy in multiple human cancers
Poster: E. Guerra (Italy)
- 581 IL-33 inhibits melanoma growth and pulmonary metastasis in mice through recruitment and activation of eosinophils
Poster: V. Lucarini (Italy)
- 582 Pharmacodynamic (PD) Biomarkers in Syngeneic Tumor Models Treated by a GITR Agonist (GITRL-Fc) and Prevalence of GITR Expression
Poster: F. Cattaruzza (USA)
- 583 Vangl2 overexpression/silencing increases apoptosis and effects inflammation in Jurkat t-cells
Poster: M. Lindqvist (Sweden)
- 584 A pipeline for studying neoantigen landscapes in tumors
Poster: M. Punta (United Kingdom)
- 585 Prime-boost immunization by both DNA vaccine and oncolytic adenovirus expressing GM-CSF and shRNA of TGF- β 2 induces anti-tumor immune activation
Poster: Y. Joo (Korea)
- 586 Balance between different subsets of helper T cells in human squamous cell carcinoma
Poster: A.P. Campanelli (Brazil)
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Mon 26 Jun

- 10:15 - 17:00

Poster Session: Other

- 590 Postoperative pain management for elective surgeries in SKMCH & RC
Poster: R. Tasleem (Pakistan)
- 588 Post-operative pain management for elective gastrointestinal surgeries in shaukat khanum memorial cancer hospital

Poster: R. Tasleem (Pakistan)

- 589 Assessment of patient's understanding of PCA & E-PCA usage at the time of discharge, a comparative analysis
Poster: R. Tasleem (Pakistan)
- 587 Selection of Double Lumen Tube (DLT) in patients undergoing 3 stage esophagectomy
Poster: B. Tufail (Pakistan)
- 591 Inadvertant epidural catheter removal and the effect of tunnelling
Poster: R. Tasleem (Pakistan)
- 592 Barriers to breast cancer case detection among Somali urban refugee women in Uganda
Poster: F.A. Yusuf (Somalia)
- 593 Evaluation the effect of Oscillatoria Cyanobacterium on breast cancer MCF-7 cell line and study of influences on nm23 gene expression
Poster: A.S. Naeemi (Iran)
- 594 Evaluation of the effect of Glycyrrhiza glabra extract on T47D breast cancer cell line and study of influences on nm23 gene expression
Poster: A. Salehzadeh (Iran)
- 595 S-1-induced lacrimal drainage obstruction and its association with ingredients/metabolites of S-1 in tears and plasma: a prospective multi-institutional study
Poster: K.W. Lee (Korea)
- 596 Comparative transcriptomics of triple-negative breast cancer stem cells and differentiated tumor cells identifies Teneurin-4 as a potential therapeutic target
Poster: R. Ruii (Italy)
- 597 Debulking surgery for adrenocortical carcinoma with multiple metastases for reducing chemoresistance: A case report
Poster: K. Paik (Korea)
- 598 New ifosfamide analogs for immunotherapy and nanomedicine against cancer
Poster: J. Delahousse (France)
- 599 Mechanisms of telomere maintenance in brain tumors: Is ALT the key to treatment?
Poster: M.C. Mione (Italy)
- 600 Chemopreventive activity of hydroxytyrosol and a purified extract from olive mill wastewaters (OMWW) on prostate cancer cell lines
Poster: D. Noonan (Italy)
- 601 Microbial contamination of ulcerated surface and depth of melanoma invasion
Poster: I. Galaychuk (Ukraine)
- 602 The role of epigenetic mark profile, cell cycle alteration and DNA repair in resistance of glioblastoma cells to photodynamic therapy (PDT)
Poster: S. Shahmoradi Ghahe (Poland)
- 603 Anti-angiogenic and angiopreventive activities of beer hop xanthohumol-derivatives in vitro
Poster: A. Albini (Italy)

- 604 Targeted therapy with sorafenib in kidney cancer with bone metastases
Poster: V. Protsenko (Ukraine)