



# Poster abstracts

Alphabetically ordered by last name presenting author

**Airiau, Kelly P-1**

*All-trans retinoic acid potentiates TRAIL-induced extrinsic apoptosis in acute promyelocytic leukemia.*

**Amiot, Martine P-2**

*BH3 profiling as a tool to identify either the loss of priming or the Mcl-1 dependency responsible for the acquired resistance to venetoclax in multiple myeloma*

**Antunes, Fernanda P-3**

*Fasting might boost chemotherapeutic treatment efficacy in human skin melanoma*

**Arandarcikaite, Odeta P-4**

*Age-related differences in sensitivity of cortical and cerebellar mitochondria to ischemia induced injury*

**Arsenian Henriksson, Marie P-5**

*MYCN mediates metabolic reprogramming in childhood neuroblastoma*

**Ausserlechner, Michael P-6**

*Drug repositioning to identify novel XIAP inhibitors*

**Bailly-Maitre, Béatrice P-7**

*Bax Inhibitor One (BI-1) deficiency leads to unresolved endoplasmic reticulum stress, perturbing hepatic metabolic homeostasis and causing irreparable liver damage in tunicamycin-challenged mice.*

**Bertrand, Mathieu P-8**

*ER stress and inflammation: when PERK inhibitors turn out to be potent RIPK1 inhibitors*

**Bond, Gareth P-9**

*Genetic modulation of p53-mediated cell death and survival affects cancer in humans*

**Brunner, Thomas P-10**

*Inhibitor of Apoptosis Protein-1 is a key arbiter in TNF-induced murine intestinal epithelial destruction*

**Buri, Marcus P-11**

*Corroborating the cell death mechanism triggered by the antimicrobial peptide gomesin by photothermal microscopy*

**Calleja, María Isabel P-12**

*Neuronal phenotype characterization of FAIM KO mice*

**Campbell, Kirsteen P-13**

*Investigating MCL-1 as a prognostic marker and drug target in breast cancer*

**Cappe, Benjamin P-14**

*Spatio-temporal aspects and function of MLKL at plasma membrane during necroptosis*

**Castro, Lisandra P-15**

*GSK3 $\beta$  prevents Bax-induced cell death by inhibiting its mitochondrial translocation and activity*

**Cebesoy, Suna P-16**

*The effect of carbon tetrachloride on rat's skeletal muscle*

**Cebesoy, Suna P-17**

*The Relationship Between Sirtuin, Foxo Genes and Apoptosis in Alzheimer's and Parkinson's Diseases (Review)*

**Cillessen, Saskia P-18**

*Granzyme B-mediated killing of enterocytes by aberrant IEL in pre-EATL through interaction of CD103-E-cadherine*

**Cipolletti, Manuela P-19**

*The estrogen-induced anti-apoptotic pathway reduces the sensitivity of breast cancer cell to the chemotherapeutic agent paclitaxel*

**Clancy, Danielle P-20**

*Neutrophil granule proteases act as global regulators of IL-1 family cytokine activation states*

**Coccia, Elena P-21**

*The pro-apoptotic protein SIVA-1 in the nervous system*

**Cordani, Marco P-22**

*Novel mechanisms through which gain-of-function mutant p53 inhibits cancer cell death*

**Dandash, Fatima P-23**

*Gold (III) Porphyrin Complexes Induce Apoptosis, Cell Cycle Arrest and Inhibit Cell Proliferation in Colon Cancer*

**Delgado, M.Eugenia P-24**

*LRH-1-dependent regulation of TNF  $\alpha$ -induced liver cell death*

**Devos, Michael P-25**

*'Oncogenic'  $\Delta$ Np63 $\alpha$  sensitizes keratinocytes towards cisplatin-induced apoptosis through JNK signalling*

**Dricu, Anica P-26**

*Silencing of epidermal growth factor, latrophilin and seven transmembrane domain-containing protein 1 (ELTD1) via siRNA induced cell death in Glioblastoma*

**Duboc, Charlène P-27**

*The mTORC1/2 inhibitor AZD8055 strengthens the efficiency of the MEK inhibitor trametinib to reduce the Mcl-1/[Bim and Puma] ratio and to sensitize ovarian carcinoma cells to ABT-737*

**Faletti, Laura P-28**

*Molecular mechanisms by which TNF $\alpha$  sensitizes cells to Fas/CD95-induced apoptosis*

**Fiocchetti, Marco P-29**

*17 $\beta$ -estradiol anti-apoptotic pathway rely on NGB translocation to the mitochondria in breast cancer cells*

**Flores-Romero, Hector P-30**

*Bimodal role of cardiolipin in mcl1 membrane activity revealed by multiple fluorescence-based techniques applied to minimalist systems*

**Fritsch, Jürgen P-31**

*Subcellular Compartmentalization of TNF Receptor signalling determines the biological fate of the cell*

**Galkin, Ivan P-32**

*Mitochondrial reactive oxygen species induce endothelial permeability by increasing shedding of VE-cadherin and cleavage of  $\beta$ -catenin*

**González-Rodríguez, Patricia P-33**

*SETD2 regulates autophagosome-lysosome fusion by ATG14 alternative splicing*

**Gumusluoglu, Betül P-34**

*Determination of the Legionella bacteria in building water systems*

**Hernández-Tiedra, Sonia P-35**

*Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization*

**Herúdková, Jarmila P-36**

*Inhibition of Chk1 enhances colon cancer cell sensitivity to apoptosis induced by platinum(IV) complex LA-12*

**Hillert, Laura K. P-37**

*Targeting apoptotic and necroptotic signaling networks in AML*

**Holmgren, Christian P-38**

*Smac mimetic LCL-161 enhances TRAIL-induced apoptosis in breast cancer cell lines through a kinase-independent RIP1 function*

**Holohan, Caitriona P-39**

*Regulation of FLIPL by the SCF-Skp2 Ubiquitin Ligase Complex*

**Jacotot, Etienne P-40**

*Toward a selective irreversible Caspase-2 inhibitor*

**Jeong, Manhyung P-41**

*USP8 suppresses death receptor-mediated apoptosis by enhancing FLIPL stability*

**Jernberg Wiklund, Helena P-42**

*Genome-wide profiling of histone H3 lysine 27 and lysine 4 trimethylation in multiple myeloma reveals the importance of Polycomb gene targeting and highlights EZH2 as a potential therapeutic target*

**Jiang, Xuejun P-43**

*A Programmed Cell Death Process Dictated by Cellular Metabolism*

**Jonusiene, Violeta P-44**

*Role of CXCL8-CXCR1/2 pathway on the cell survival and cytokine expression in chemoresistant HCT116 subline cells*

**Joseph, Bertrand P-45**

*Glioma-induced caspase-3 inhibition in microglia promotes a tumor-supportive phenotype*

**Juin, Philippe P-46**

*Tight sequestration of BH3 proteins by BCL-xL at Subcellular Membranes of Live Cancer Cells Contributes to Apoptotic Resistance*

**Kamkina, Polina P-47**

*mir-52 is a novel regulator of DNA damage induced germ cell death in C. elegans*

**Kulik, George P-48**

*Behavioral stress increases therapy-resistance in prostate cancer by upregulating MCL1*

**Lemaire, Christophe P-49**

*SIRT1 protects the heart from endoplasmic reticulum stress-induced apoptosis through eIF2 $\alpha$  deacetylation*

**Leopardo, Noelia P-50**

*Does autophagy act as a germ cell survival mechanism in the adult ovary of Lagostomus maximus (Rodentia; Caviomorpha)?*

**Liccardi, Gianmaria P-51**

*RIPK1 maintains tissue health by controlling accurate chromosome segregation and eliminating cells with defects in mitotic progression*

**Lionnard, loïc P-52**

*TRIM proteins regulate anti-apoptotic bfl-1 ubiquitination and degradation*

**Lucendo, Estefanía P-53**

*Re-purposing FDA-approved drugs for Bax-TMD homo-oligomer targeting*

**Majkut, Joanna P-54**

*Development and pre-clinical assessment of a first-in-class small molecule inhibitor of FLIP for treatment of NSCLC and CRC.*

**Majuelos-Melguizo, Jara P-55**

*PARP targeting counteracts gliomagenesis through downregulation of survival pathways and the modulation of lipid metabolism*

**Marco, Joaquín P-56**

*The combination of dichloroacetate with ibrutinib is effective against B-CLL cells*

**Mauro-Lizcano, Marta P-57**

*Targeting glutamine metabolism down-regulates FLIP expression and sensitizes triple-negative breast tumor cells to TRAIL*

**Maximchik, Polina P-58**

*2-Deoxyglucose modulates apoptosis in cancer cells in a distinctive manner*

**Meyer, Lueder H P-59**

*Intrinsic and synergistic activity of ABT-199 in B-cell precursor acute lymphoblastic leukemia*

**Meyer, Lueder H P-60**

*Apoptosis induction by structural and functional restoration of mutated p53 as novel therapeutic intervention in pediatric Acute Lymphoblastic Leukemia*

**Meyer, Nina P-61**

*Investigating the role of mitochondrial dysfunction and mitophagy in AT-101-induced cell death*

**Mollereau, Bertrand P-62**

*Programmed necrosis controls germ cell homeostasis during Drosophila spermatogenesis.*

**Moreno, Ricardo P-63**

*The alkylphenols Bisphenol-A and 4-Nonylphenol induce apoptosis through activation of ADAM17 in cancer cell lines*

**Mueller, Ines P-64**

*Mechanistic insight into the consequences of sublethal drug doses and the tumor microenvironment on therapeutic responses and unwanted metastatic outgrowth of malignant melanoma*

**Muntané, Jordi P-65**

*Mechanism of cell death induced by Sorafenib in hepatocarcinoma: In vitro and in vivo studies*

**Nagy, Reka P-66**

*Real-Time Apoptosis Detection using a Homogeneous, Bioluminescent Annexin Reagent*

**Noh, Hyun-Jin P-67**

*Regulation of RIP3 expression by post-translational modification in resting condition*

**Nougarede, Adrien P-68**

*Bcl-2 homolog BCL2L10/Nrh controls cell death and tumor progression at the Endoplasmic Reticulum*

**Núñez-Vázquez, Sonia P-69**

*Study of the mechanism underlying the induction of Noxa by a novel pro-apoptotic prohibitin-binding compound*

**Oh, Seung-Jae P-70**

*Nuclear Localization of TRADD regulates DNA-damage agent induced cell death*

**Ohmer, Michaela P-71**

*Anti-apoptotic Mcl-1 is dispensable in the regulation of apoptosis during viral infection while Bcl-XL contributes to protection against virus-induced apoptosis*

**Onnis, Anna P-72**

*The p66Shc adaptor induces autophagy/mitophagy via AMPK activation in B cells*

**Orzechowski, Arkadiusz P-73**

*Importance of mevalonate pathway intermediates for survival and myogenic potential of skeletal muscle satellite cells*

**Ozsoy Erdas, Nesrin P-74**

*The Antioxidant and Antiapoptotic Effects of Melatonin on Carbon tetrachloride (CCl4) – Induced Toxicity in Rat Kidney*

**Panaretakis, Theocharis P-75**

*Exosomal caspase activity is required for the uptake of exosomes by cancer cells*

**Pardo, Julian P-76**

*Granzyme A contributes to inflammatory arthritis through TNF- $\alpha$  dependent stimulation of osteoclastogenesis*

**Park, Han-hee P-77**

*Ginseng extract sensitizes chemotherapeutic agents-induced cell death via suppression of autophagic flux*

**Park, Joo-In P-78**

*Holotoxin A1 induces apoptosis through activation of acid sphingomyelinase and neutral sphingomyelinase in K562 and human primary leukemia cells*

**Peltzer, Nieves P-79**

*Deficiency in different LUBAC components: a surprise in three acts*

**Peña Blanco, Aida P-80**

*Role of Drp1 and Bcl-2 proteins in mitotic cell death*

**Poulain, Laurent P-81**

*Pyridoclastax and its derivative from oligopyridines family: towards innovative Mcl-1 inhibitors active in vivo?*

**Prokhorova, Evgeniia P-82**

*Assessment of the nuclear function of caspases following genotoxic stress*

**Remy, Janina P-83**

*Inhibition of STAT3 and PIM1 sensitizes glioblastoma cells to apoptosis induced by the BH3-mimetic ABT-737*

**Ribeiro, Maxance P-84**

*Role of EPAC in the modulation of the cardiotoxicity induced by Doxorubicin*

**Roca, Vicente P-85**

*Contribution of cellular cholesterol to impaired mitophagy in neurodegeneration*

**Sadilkova, Lenka P-86**

*PI3 kinase inhibition promotes tumor cell survival in combination therapy through mTOR-PTEN-p53 crosstalk*

**Salvador Gallego, Raquel P-87**

*Bax oligomerization and interplay with the mitochondrial fission machinery revealed by single-molecule techniques*

**Sancho, Mónica P-88**

*Metabolites as biomarkers to predict sensitivity to ABT-263 therapy in endometrial cancer*

**Saura-Esteller, Jose P-89**

*Analysis of the implication of ER stress in fluorizoline induced-apoptosis*

**Senichkin, Viacheslav P-90**

*The role of serum deprivation in modulation of cell death*

**Seo, Jinho P-91**

*Ubiquitination and degradation of the FADD adaptor protein regulate death receptor-mediated apoptosis and necroptosis.*

**Serrano-Sáenz, Santiago P-92**

*Inhibition of PIM kinases sensitizes glioblastoma cells to TRAIL-induced cell death*

**Silva, Viviane Aline P-93**

*Involvement of WNK2 on glioma cells vesicular traffic: new targets?*

**Sipieter, François P-94**

*Defined spatio-temporal dynamic of ERK1/2 during necroptosis*

**Solà Riera, Carles P-95**

*Hantavirus infection protects cells from TRAIL-induced apoptosis through down-regulation of surface death receptor 5*

**Suknovic, Nenad P-96**

*ROS signaling and injury-induced cell death*

**Sullivan, Graeme P-97**

*Identification of peptide antagonists of psoriasis-associated IL-36 cytokine activation*

**Tabero, Andrea P-98**

*Induction of efficient tumour cell death by combined photodynamic and chemotherapeutic treatments.*

**Tawfik, Doaa P-99**

*TRAIL-R1 and TRAIL-R2 status determine the impact of TRAIL-R4 in regulating apoptosis and necroptosis in pancreatic tumor cells*

**Tuzlak, Selma P-100**

*The Role of the pro-survival Bcl2 family member A1 in T cell mediated immune response*

**Valero, Juan García P-101**

*The BET bromodomain inhibitor CPI203 overcomes resistance to ABT-199 (venetoclax) by downregulation of BFL-1 in in vitro and in vivo models of MYC+/BCL2+ double hit lymphoma*

**Valter, Kadri P-102**

*Targeting glutaminolysis: A strategy for neuroblastoma treatment*

**Vanden Berghe, Tom P-103**

*A natural anti-cancer agent eradicates neuroblastoma by inducing ferroptosis*

**Vondálová Blanářová, Olga P-104**

*Cisplatin- or platinum(IV) complex LA-12-mediated stimulation of TRAIL-induced apoptosis in prostate cancer cells requires Bid-dependent activation of mitochondrial pathway*

**Vosahlikova, Sarka P-105**

*Immunogenic cancer cell death induced by High hydrostatic pressure and Hyperthermia: calreticulin exposure pathway*

**Wang, Xiaoliang P-106**

*Neutrophil Necroptosis is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming*

**Wong, Wendy Wei-Lynn P-107**

*TNFR2 activation in the absence of cIAPs decreases macrophage survival*

**Xu, Tianqi P-108**

*Regulation and mechanism of autophagy-dependent cell death*

**Yoo, Iseul P-109**

*Cancer cell death with necrosome complex formation by Chemotherapeutic agents*

**Zerrin Incesu P-110**

*The effects of endoplasmic reticulum stress on mitochondrial apoptotic pathway of fibronectin bound Skov-3 cells*