



**Day 1: December 13, 2020 (Central European Time)**

**Morning Session 9:00 – 11:50**

***Chairs:***

<b>9:00 – 9:10</b>	Conference Opening
<b>9:10 – 9:50</b>	<b>Cristina Maccalli (Qatar)</b> The genomic profile of CSCs/CICs can modulate the susceptibility of tumors to immune responses
<b>9:50 – 10:15</b>	<b>Barbara Breznik (Slovenia)</b> Therapeutic potential of super-charged natural killer cells by lysis and increased chemotherapeutic sensitivity of glioblastoma stem-like cells
<b>10:15 – 10:35</b>	Coffee Break
<b>10:35 – 11:00</b>	<b>Spela Kos (Slovenia)</b> Intradermal DNA vaccination combined with immune checkpoint blockade provides robust tumor immunity in murine melanoma
<b>11:00 – 11:25</b>	TBD
<b>11:25 – 11:50</b>	TBD

**Lunch 11:50 – 13:00**

**Evening Session 13:00 – 16:50**

<b>Chairs:</b>	
<b>13:00 – 13:40</b>	<b>Bruno Sainz. Jr. (Spain)</b> Exploiting Oxidative Phosphorylation to Promote the Stem and Immuno-evasive Properties of Pancreatic Cancer Stem Cells
<b>13:40 – 14:05</b>	<b>Claudia Di Carlo (Italy)</b> Insights into metabolism alteration associated with pancreatic cancer stem cells
<b>14:05 – 14:30</b>	<b>Giulia Ambrosini (Italy)</b> Progressively De-Differentiated Pancreatic Cancer Cells Shift from Glycolysis to Oxidative Metabolism and Gain a Quiescent Stem State
<b>14:30 – 14:50</b>	Coffee Break
<b>14:50 – 15:15</b>	<b>Patricia Sancho (Spain)</b> Glutathione metabolism is essential for self-renewal and chemoresistance of pancreatic cancer stem cells
<b>15:15 – 15:40</b>	<b>Sarah Courtois (Spain)</b> Inhibition of mitochondrial dynamics preferentially targets pancreatic cancer cells with enhanced tumorigenic and invasive potential
<b>15:40 – 16:05</b>	<b>Emil Kryukov (Russian Federation)</b> Cancer stem cells metabolism studies in HCT116 chemoresistant lines.
<b>16:25 – 16:50</b>	<b>Daniel Gebhard</b> TBD

## Day 2: December 14, 2020

<b>Morning Session 9:00 – 12:10</b>	
<b>Chairs:</b>	
<b>9:00 – 9:30</b>	<b>Valerie M. Teng-Broug (Sr. Publisher Life Sciences, Elsevier)</b> TBD
<b>9:30 – 10:00</b>	<b>Margaret Szostakowska-Rodzoś (DeGruyter, Open Medicine)</b> TBD
<b>10:00 – 10:30</b>	<b>Frontiers in Oncology</b> TBD
<b>10:30 – 10:50</b>	Coffee Break
<b>10:50 – 11:30</b>	<b>Adit Ben-baruch (Israel)</b>

	Triple-negative breast cancer: Continuous inflammatory stimulation leads via metabolic transition to a pro-tumor phenotype
<b>11:30 – 11:55</b>	<b>Eva Maria Galan-Moya (Spain)</b> Targeting epigenetics as a strategy to control stemness and resistance in triple negative breast cancer
<b>11:55 – 12:20</b>	<b>Vanessa Castelli (Italy)</b> PPAR $\alpha$ selective antagonist GW6471 inhibits cell growth in breast cancer stem cells inducing energy imbalance and metabolic stress

***Lunch 12:20 – 13:30***

**Evening Session 13:15 – 17:00**

***Chairs:***

<b>13:30 – 14:10</b>	<b>Ren Xu (USA)</b> Targeting the P4HA1/HIF-1 axis in CSC to sensitize TNBC to chemotherapy
<b>14:10 – 14:35</b>	<b>Jacqueline Nathansen (Germany)</b> The pluripotency transcription factor Oct4 in the regulation of head and neck squamous cell carcinoma radioresistance and stemness
<b>14:35 – 15:00</b>	<b>Li-Na Zhang (China)</b> Cell fusion between mesenchymal stem cells and lung cancer cells contributes to the formation of lung cancer stem cells
<b>15:00 – 15:20</b>	Coffee Break
<b>15:20 – 15:45</b>	<b>Kanishka Tiwary (Germany)</b> MEK Inhibition Targets Cancer Stem Cells and abrogates Migration of Pancreatic Cancer Cells In Vitro and In Vivo“
<b>15:45 – 16:10</b>	<b>Beatriz Parejo-Alonso (Spain)</b> ALK signaling promotes tumorigenicity and invasive abilities in pancreatic ductal adenocarcinoma cells
<b>16:10 – 16:35</b>	<b>Hong-Quan Duong (Vietnam)</b> Aldehyde Dehydrogenase 1A1 (ALDH1A1): The Novel Biomarker of Pancreatic Cancer Stem Cells
<b>16:35 – 17:00</b>	

**Day 3: December 15, 2020**

## Morning Session 9:00 – 12:20

### *Chairs:*

<b>9:00 – 9:40</b>	<b>Caterina AM La Porta (Italy)</b> Melanoma plasticity and miRNAs
<b>9:40 – 10:05</b>	<b>Ilaria Guerriero (Italy)</b> A novel miRNA network revealed a piece of a complicated puzzle fueling NSCLC progression.
<b>10:05 – 10:30</b>	<b>Elroy Patrick Weledji (Cameroon)</b> Disturbances of hepatic epigenome in familial hepatocellular carcinoma: the role of the monozygotwic twin.
<b>10:30 – 10:50</b>	Coffee Break
<b>10:50 – 11:30</b>	<b>Claudia Matteucci (Italy)</b> Human endogenous retroviruses and embryonic genes as potential markers of disease and prognosis of chronic lymphocytic leukemia
<b>11:30 – 11:55</b>	<b>Sugunakar Vuree (India)</b> Analysis of SNPs of DNA repair genes in a series of denovo acute leukemia patients
<b>11:55 – 12:20</b>	<b>Taruna Rajagopal (India)</b> Effect of zinc finger protein 350 (ZNF350) gene rs2278420 polymorphism on breast cancer susceptibility in Indian women

## *Lunch 12:20 – 13:30*

## Evening Session 13:30 – 17:00

### *Chairs:*

<b>13:30 – 14:05</b>	<b>Maja Čemažar (Slovenia)</b> Circulating tumor cells in breast cancer patients: preclinical and clinical evaluation of magnetic-activated cell separation technology
<b>14:05 – 14:30</b>	<b>Marina Puchinskaya (Belarus)</b> Cancer stem cell markers in prostate cancer
<b>14:30 – 14:55</b>	<b>Mithilesh Mishra (India)</b> Expression of CD44 in Oral Squamous Cell Carcinoma and metastatic lymph nodes. An immunohistochemical study
<b>14:55 – 15:20</b>	<b>Zeinab Dehghani-Ghobadi (Iran)</b>

	In vitro enrichment of ovarian cancer stem cells from epithelial ovarian cancer patient-derived ascites
<b>15:20 – 15:30</b>	Coffee Break
<b>15:30 – 17:00</b>	<i>Poster Presentations</i>

## Day 4: December 16, 2020

<b>Morning Session 9:00 – 12:30</b>	
<i>Chairs:</i>	
<b>9:00 – 9:40</b>	<b>Patrick J. Paddison</b> A genome-wide CRISPR-Cas9 screen for genes regulating quiescent-like states in glioblastoma stem-like cells
<b>9:40 – 10:05</b>	<b>Francesca De Bacco (Italy)</b> ERBB3 overexpression unleashed by miR-205 epigenetic silencing is a therapeutic target in glioblastoma
<b>10:05 – 10:30</b>	<b>Viktorija Juric (Ireland)</b> Targeting glioma stem cells in recurrent GBM using selective CDK inhibitors, CYC065 and THZ1
<b>10:30 – 10:50</b>	Coffee Break
<b>10:50 – 11:15</b>	<b>Ana Mitrović (Slovenia)</b> Targeting cysteine cathepsins B and X impairs cancer stem cells
<b>11:15 – 11:40</b>	<b>Milica Perisic Nanut (Slovenia)</b> Deciphering the role of cystatin F in glioblastoma microenvironment
<b>11:40 – 12:05</b>	<b>Marta Maleszewska (Poland)</b> DNA methylation and gene expression analysis reveal DMRTA2 as a new important factor in high grade glioblastoma and glioblastoma derived spheres
<b>12:05 – 12:30</b>	<b>Amir Syahir Bin Amir Hamzah (Malaysia)</b> Co-delivery of Paclitaxel and Temozolomide by a CD133 targeting PAMAM dendrimer nanoparticle to glioblastoma stem cells: A promising strategy to overcome drug-resistance

***Lunch 12:30 – 13:30***



## Evening Session 13:30 – 16:55

### *Chairs:*

<b>13:30 – 13:55</b>	<b>Yingying Geng (USA)</b> Rapid Cell Phenotyping Using Nanosensors: Applications in High-content Screening of Cancer Stem Cell Therapeutics
<b>13:55 – 14:20</b>	<b>Esperanza Medina-Gutiérrez (Spain)</b> Anticancer activity of CXCR4-targeted bacterial nanotoxins in endometrial cancer models
<b>14:20 – 14:45</b>	<b>Tim Bozic (Slovenia)</b> Gene electrotransfer of plasmid DNA encoding proinflammatory chemokines CCL5 and CCL17 to murine tumors alters their cytokine expression profile
<b>14:45 – 15:10</b>	<b>Simona Kranjc (Slovenia)</b> Electrochemotherapy with new platinum(II) complexes in human breast cancer MCF7 and colon cancer HT29 cell lines, an in vitro study
<b>15:10 – 15:30</b>	Coffee Break
<b>15:30 – 15:55</b>	<b>Mohit Kumar Jolly (India)</b> Stemness in the hybrid epithelial/mesenchymal phenotype: a hallmark of high metastatic potential
<b>15:55 – 16:05</b>	<b>Marina Puchinskaya (Belarus)</b> Cancer stem cells and epithelial-mesenchymal transition: same, similar or different?
<b>16:05 – 16:30</b>	<b>Marta Teixeira Pinto (Portugal)</b> The Chick Chorioallantoic membrane model: a new in vivo tool to evaluate cancer stem cell activity
<b>16:30 – 16:55</b>	

## Day 5: December 17, 2020

## Morning Session 9:00 – 12:05

### *Chairs:*

<b>9:00 – 9:40</b>	<b>Ludovic Bourre (CrownBio, UK)</b> Patient-Derived and PDX-Derived Organoids for Oncology Drug Discovery
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<b>9:40 – 10:05</b>	<b>Olga Gordeeva (Russian Federation)</b> Rearrangements of TGF $\beta$ family signaling pathways contribute to imbalance of proliferation and differentiation signals in teratocarcinoma stem cells
<b>10:05 – 10:30</b>	
<b>10:30 – 10:50</b>	Coffee Break
<b>10:50 – 11:15</b>	
<b>11:15 – 11:40</b>	
<b>11:40 – 12:05</b>	Conference Closing