Mechanisms to Therapies: Innovations in Cancer Metabolism Programme
Bilbao, Spain
9 - 11 October 2018

Scientific Programme

Tuesday 9th October 2018

10:30  REGISTRATION
Until 11:30
Coffee available

11:30  CONFERENCE WELCOME
Scientific Programme Committee

11:45  ASEICA KEYNOTE LECTURE
Chair: Navdeep Chandel
William Kaelin, Jr.
Howard Hughes Medical Institute and Dana-Farber Cancer Institute, USA
"The VHL Tumor Suppressor: Insights into Oxygen Sensing, Cancer Metabolism, and Drugging the Undruggable"

SESSION 1 - ONCOGENIC METABOLIC SIGNALLING
Chair: Ayelet Erez

12:30  Brendan Manning
Harvard T.H. Chan School of Public Health, USA
"The PI3K-mTOR Signaling Network and the Anabolic Control of Cell Growth"

13:00  LUNCH & MEET THE EXPERT

14:30  Alejo Efeyan
CNIO, Spain
"Oncogenic nutrient signalling in B cell lymphoma"

15:00  Reuben Shaw
The Salk Institute, USA
"AMPK: good signals during bad times"

15:30  Heather Christofk
UCLA Jonsson Comprehensive Cancer Center, USA
"Metabolic Transitions in Cancer: Lessons from Viral Infection"

16:00  Mattia Falcone
DKFZ, Germany
Proffered Paper 1: "BCAT1 restricts αKG levels in AML stem cells leading to IDHmut-like DNA hypermethylation"

16:15  COFFEE BREAK

SESSION 2 - METABOLIC WIRING IN CANCER
Chair: Salvador Aznar-Benitah

16:45  Sarah-Maria Fendt
VIB-KU Leuven Center for Cancer Biology, Belgium
"Nutrient metabolism in cancer progression"
17:15  Ayelet Erez  
Weizmann Institute of Science, Israel  
“The contribution of urea cycle enzymes and intermediates to carcinogenesis”

17:45  Matt Vander Heiden  
Massachusetts Institute of Technology, USA  
“How metabolisum supports tumour progression”

18:15  Javier Garcia Bermudez  
The Rockefeller University, USA  
Proffered Paper 2: “Exploiting Cholesterol Auxotrophy of Lymphomas as an Anti-Cancer Therapy”

Wednesday 10th October 2018

SESSION 3 - METABOLIC CONTROL OF THE EPIGENOME  
Chair: Sarah-Maria Fendt

09:30  Raul Mostoslavsky  
MGH Cancer Center, Harvard Medical School, USA  
“Linking metabolism, chromatin and cancer: SIRT6 provides new clues”

10:00  Jason Locasale  
Duke University School of Medicine, USA  
“Glucose and amino acid metabolism in cancer”

10:30  Andrew Intlekofer  
MSKCC, USA  
Proffered Paper 3: “Mechanisms of acquired resistance to mutant isocitrate dehydrogenase inhibitors”

10:45  EXHIBITOR INTRODUCTIONS  
A fun session to introduce the companies who are exhibiting at the conference

10:50  COFFEE BREAK  
Trade exhibition opens

11:20  Oliver Maddocks  
University of Glasgow, UK  
“(Non)Essential Amino Acid Metabolism In Cancer”

11:50  Navdeep Chandel  
Northwestern University, USA  
“Mitochondria as signaling organelles”

12:20  POSTER SPOTLIGHTS  
Six top-scoring abstracts will be presented in short ‘flash talks’ of 3 minutes each.

12:50  LUNCH & POSTER DEFENCE SESSION 1  
Odd numbered posters (1, 3, 5, etc.) will be presented

SESSION 4 - METABOLIC HETEROGENEITY & TUMOUR PROGRESSION  
Chair: Matt Vander Heiden

14:50  Salvador Aznar-Benitah  
ICREA, IRB Barcelona, Spain  
“Epigenetic influence of our (fatty) diet on metastatic-initiating cells”
15:20  Arkaitz Carracedo  
CIC bioGUNE, Spain  
"Metabolic plasticity in the ever-changing tumor environment"

15:50  Cristina Muñoz-Pinedo  
IDIBELL, Spain  
Proffered Paper 4: "Starvation leads to inflammatory cytokine and chemokine release"

16:05  COFFEE BREAK

16:35  Carla Martins  
University of Cambridge, UK  
"Metabolic dependencies of mutant Kras lung tumors"

17:05  Thales Papagiannakopoulos  
NYU School of Medicine, USA  
"Uncovering metabolic bottlenecks in lung cancer"

17:35  MEET THE EDITOR  
Javier Carmona  
Senior Editor at Nature Medicine, Nature  
This is an informal session for PhD students and post-docs who want to learn more about a career as an editor. Spaces are limited, and sign up will open after the registration deadline.

20:30  OPTIONAL CONFERENCE DINNER  
Kafe Antzokia

Thursday 11th October 2018

SESSION 5 - TARGETING STROMA METABOLISM  
Chair: Heather Christofk

09:00  Peter Carmeliet  
VIB-KU Leuven Center for Cancer Biology, Belgium  
"Angiogenesis revisited: Role and (therapeutic) implications of endothelial metabolism"

09:30  Susan Kaech  
The Salk Institute, USA  
"Anti-Tumor T Cells – you are what you eat"

10:00  Kathrin Renner  
University Hospital Regensburg, Germany  
"Targeting glycolysis via inhibition of MCT1 and MCT4 preserves T cell effector functions and augments checkpoint therapy"

10:30  Patricia Sancho  
IIS, Spain  
Proffered Paper 5: "Metabolic switch controlled by MYC/PGC1A is a prerequisite for epithelial-to-mesenchymal transition and metastasis in pancreatic cancer"

10:45  COFFEE BREAK

SESSION 6 - BENCH TO BEDSIDE/ TARGETING METABOLIC LIABILITIES  
Chair: Brendan Manning

11:15  Judith Favier
11:45  Alec Kimmelman  
Perlmutter Cancer Center, USA  
"Identifying Metabolic Dependencies in Pancreatic Cancer"

12:15  Ivana Kurelac  
University of Bologna, Italy  
Proffered Paper 6: "Inducing indolence in aggressive cancers by targeting mitochondrial complex I is counteracted by macrophage-mediated adaptive responses"

12:30  LUNCH & POSTER DEFENCE SESSION 2  
Even numbered posters (2, 4, 6, etc.) will be presented

14:30  Scott Biller  
Agios, USA  
"Cancer Metabolism from Bench to the Clinic"

15:00  EMBO KEYNOTE LECTURE  
Chair: Ralph DeBerardinis  
Karen Vousden  
The Francis Crick Institute, UK  
"p53 and metabolism: cancer and beyond"

15:45  CLOSING CEREMONY & PRESENTATION OF AWARD CERTIFICATES  
Until 16:00  
Scientific Programme Committee