

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"
- 12:30 **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 α KG levels in AML stem cells leading to IDHmut-like DNA hypermethylation"
- 16:15 **COFFEE BREAK**
- 16:45 **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 metabolism 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

- 09:30 **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
- 14:50 **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
- 17:35 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

- 09:00 **Peter Carmeliet**
VIB-KU Leuven Center for Cancer Biology, Belgium
"Angiogenesis revisited: Role and (therapeutic) implications of endothelial metabolism"
- 09:00 **SESSION 5 - TARGETING STROMA METABOLISM**
Chair: Heather Christofk
- 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**
- 11:15 **SESSION 6 - BENCH TO BEDSIDE/ TARGETING METABOLIC LIABILITIES**
Chair: Brendan Manning
- 11:15 **Judith Favier**

INSERM, France
"Epigenetic and metabolic reprogramming in SDH-deficient cancers"

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