

Defence is the Best Attack: Immuno-Oncology Breakthroughs Programme

Barcelona, Spain

9 - 11 May 2023



Scientific Programme

Tuesday 9th May 2023

Listed times are in Central European Summer Time (CEST)

- 11:30 REGISTRATION & WELCOME LUNCH
- 13:00 CONFERENCE WELCOME
- SESSION 1
Chair: Joan Seoane
- 13:10 OPENING KEYNOTE LECTURE
Alberto Mantovani
Humanitas University, Italy
"Innate immunity, inflammation and cancer from bench to bedside"
Q&A: 13:40-13:55
- 13:55 **Jennifer Guerriero**
Brigham and Women's Hospital / Harvard Medical School, USA
"Targeting novel populations of macrophages for anti-cancer therapy"
Q&A: 14:15 - 14:25
- 14:25 **Krijn Dijkstra**
Antoni van Leeuwenhoek - Netherlands Cancer Institute, Netherlands
Proffered Paper 1: "Patient-derived co-cultures of TRACERx lung cancer organoids and autologous T-cells reveal heterogeneity in immune evasion between cancer subclones"
Q&A: 14:35 - 14:40
- 14:40 EXHIBITOR INTRODUCTIONS
60-second intro pitches by each company
- 14:50 COFFEE BREAK & EXHIBITION
- SESSION 2
Chair: Ignacio Melero
- 15:20 **Joan Seoane**
Vall d'Hebron Institute of Oncology (VHIO), Spain
"Impact of the tumor microenvironment on immunotherapy"
Q&A: 15:40 - 15:50
- 15:50 **Sonia Guedan**
Hospital Clínic de Barcelona, Spain
"CAR-T cells for the treatment of solid tumors"
Q&A: 16:10 - 16:20
- 16:20 POSTER SPOTLIGHTS

3 top abstracts presented as 3-minute flash talks

16:30 **Alena Gros**

Vall d'Hebron Institute of Oncology (VHIO), Spain
"Towards tailored antitumor T-cell therapies"

Q&A: 16:50 - 17:00

17:00 **Gabriel Rabinovich**

The Institute of Biology and Experimental Medicine/CONICET, Argentina
"The emerging role of glyco-checkpoints in cancer: the 'sweet' side of immunotherapy"

Q&A: 17:20 - 17:30

17:30 **WELCOME RECEPTION**

Drinks reception with buffet.

18:15 **POSTER DISCUSSION SESSION 1**

Wednesday 10th May 2023

Listed times are in Central European Summer Time (CEST)

08:15 **POSTER VIEWING**

Posters may be freely viewed. Tea/coffee/biscuits will be served..

SESSION 3

Chair: Lillian Siu

08:45 **INDUSTRY SPOTLIGHT - AGILENT TECHNOLOGIES**

Miriam Contreras Mostazo

Agilent

"How to assess T cell metabolic profile and further develop effective T cell therapies using Seahorse Analyzer"

09:00 **Ignacio Melero**

Clínica Universidad de Navarra, Spain

"Tumor IL-8, NETs and the wrong type of tumor inflammation"

Q&A: 09:20 - 09:30

09:30 **Jörg Wischhusen**

University Hospital Würzburg, Germany

Proffered Paper 2: "Tumor-derived GDF-15 prevents therapy success of checkpoint inhibitors by blocking T-lymphocyte recruitment"

Q&A: 09:40 - 09:45

09:45 **Keren Yizhak**

Technion - Israel Institute of Technology, Israel

"Estimating tumor mutational burden from 'tumor-only' RNA-sequencing data"

Q&A: 10:05 - 10:15

10:15 **Mustafa Diken**

Germany

"The evolution of mRNA-vaccines against cancer"

Q&A: 10:35 - 10:45

10:45 **COFFEE BREAK & EXHIBITION**

- 11:15 **THE EMBO KEYNOTE LECTURE**
Yardena Samuels
Weizmann Institute of Science, Israel
"Revisiting the Neoantigen Approach for Cancer Immunotherapy"
Q&A: 11:35 - 11:45
- 11:45 **Macarena Román**
VHIO, Spain
Proffered Paper 3 : "p95HER2 CAR Ts secreting HER2 BITEs are a safe and effective immunotherapeutic strategy against HER2-positive tumors."
Q&A: 11:55 - 12:00
- 12:00 **POSTER SPOTLIGHTS**
3 top abstracts presented as 3-minute flash talks
- 12:10 **INDUSTRY SYMPOSIUM - BIO-RAD LABORATORIES**
Andrés Ramírez, PhD
Flow Cytometry Regional Specialist, Bio-Rad
"Overcoming Bottlenecks in Research & Discovery with High-Throughput Flow Cytometry"
- 12:40 **LUNCH & EXHIBITION**
- 13:20 **POSTER DISCUSSION SESSION 2**
SESSION 4
Chair: Yardena Samuels
- 14:50 **INDUSTRY SPOTLIGHT - LYNXCARE**
Dr. Annelies Verbiest, PhD
Department of Oncology, Antwerp University Hospital, Belgium
"Defense through Insights: Using AI to Unlock Real-World Evidence in Immunotherapy"
- 15:05 **KEYNOTE LECTURE**
Tyler Jacks
MIT - Massachusetts Institute of Technology, USA
"Genetic engineering meets tumor immunology: Lessons from mouse models of cancer."
Q&A: 15:35 - 15:50
- 15:50 **Lillian Siu**
University of Toronto, Canada
"Circulating DNA Applications in the Immuno-Oncology Era"
Q&A: 16:10 - 16:20
- 16:20 **Marni Nishimoto**
Johns Hopkins, USA
Proffered Paper 4: "Transcriptional Programs of Tumor Specific CD4+ T Cells in NSCLC"
Q&A: 16:30 - 16:35
- 16:35 **Giuseppina Arbore**
Ospedale San Raffaele, Italy
Proffered Paper 5: "Immune determinants of response to neoadjuvant chemotherapy in esophageal adenocarcinoma."

- Q&A: 16:45 - 16:50
- 16:50 **COFFEE BREAK & EXHIBITION**
- Chair: Joan Seoane
- 17:20 **Pablo Umaña**
Roche, Switzerland
"Enhancing endogeneous and synthetic immunity with engineered antibody-fusion proteins for cancer immunotherapy"
- Q&A: 17:40 - 17:50
- 17:50 **Sergio Quezada**
Cancer Research UK, UK
"Regulatory T cells as Determinants of Adaptive and Innate Immune Function in Brain Tumours"
- Q&A: 18:10 - 18:20
- 18:20 **MEET THE SCIENTIFIC PROGRAMME COMMITTEE**
Joan Seoane, Lillian Siu, Alena Gros, Ignacio Melero & Yarden Samuels
Our esteemed Scientific Programme Committee will come together to each provide insight into their personal and professional experiences of their routes into scientific leadership.
- 20:00 **CONFERENCE DINNER**
The dinner is being held at the 5* rated Hotel Casa Fuster, located just a short walk away from La Pedrera.
Optional ticketed event. The dinner will end at 22:00 CEST.

Thursday 11th May 2023

Listed times are in Central European Summer Time (CEST)

- 08:30 **POSTER VIEWING**
Posters may be freely viewed. Tea/coffee/biscuits will be served.
- SESSION 5**
Chair: Alena Gros
- 09:00 **Andrea Ablasser**
EPFL, Switzerland
"Sensing DNA as a danger signal through the cGAS-STING pathway"
- Q&A: 09:20 - 09:30
- 09:30 **Marisol Soengas**
CNIO (Spanish National Cancer Research Centre), Spain
"Dissecting and targeting immune suppressive signals in the melanoma microenvironment"
- Q&A: 09:50 - 10:00
- 10:00 **Eudald Felip**
Institut Catala Oncologia, Spain
Proffered Paper 6: "Enhanced tumor immunity determines CDK4/6 inhibitor efficacy in advanced breast cancer (BC)."
- Q&A: 10:10 - 10:15
- 10:15 **COFFEE BREAK & EXHIBITION**

- 10:45 Susan Galbraith (Pre-recorded Presentation)
Astrazeneca, UK
'Exploring the next wave of immuno-oncology therapies'
- 11:15 **CLOSING KEYNOTE LECTURE**
Josep Tabernero
Vall d'Hebron Institute of Oncology (VHIO), Spain
Q&A: 11:45 - 12:00
- 12:00 **SUMMARY & AWARDS**
- 12:15 **DEPART**