

Defence is the Best Attack: Immuno-Oncology Breakthroughs Programme

Barcelona, Spain

11 - 13 March 2019



Scientific Programme

Monday 11th March 2019

12:00 REGISTRATION

Posters may be put up from 12:00

13:00 WELCOME LUNCH & TRADE EXHIBITION

14:00 CONFERENCE WELCOME

Scientific Programme Committee

14:15 SESSION 1

Chair: Joan Seoane

14:15 Pablo Umaña

Roche Innovation Center Zurich, Switzerland

"Redirecting T-cells for Cancer Immunotherapy using Next Generation Bispecific Antibodies and Fusion Proteins"

14:45 Karin de Visser

NKI, Netherlands

"Dissecting cancer cell-intrinsic mechanisms dictating the immune landscape of breast cancer"

15:15 Yotam Bar-Ephraim

Hubrecht Institute, Netherlands

Proffered Paper 1: "Raising T cells against tumour-derived neo-antigens using epithelial organoid cultures"

15:30 Elena Garralda

VHIO, Spain

"Challenges in early drug development of IO agents"

16:00 EXHIBITOR INTRODUCTIONS

Hear about the equipment and services offered by the companies in the trade exhibition.

16:10 COFFEE BREAK

16:40 SESSION 2

Chair: Johanna Joyce

16:40 POSTER SPOTLIGHTS

3 top-scoring abstracts will be presented in short 'flash talks' of 3 minutes each.

16:50 Neta Erez

Tel Aviv University, Israel

Proffered Paper 2: "Shaping the immune landscape: Cancer-Associated Fibroblasts drive Th2 immunity in breast cancer progression and metastasis"

17:05 Luca Gattinoni

- National Cancer Institute, USA
"Harnessing T memory stem cells for adoptive cell transfer therapy of cancer"
- 17:35 **Andrea Schietinger**
MSKCC, USA
"Molecular mechanisms defining tumor-specific T cell dysfunction and therapeutic reprogrammability"
- 18:05 **EMBO KEYNOTE LECTURE**
Richard Flavell
Yale University School of Medicine, USA
"Study of the interface between human cancers and the human immune system in novel humanized mice"
- 18:50 **NETWORKING RECEPTION**
with drinks and a hot buffet dinner
- 19:30 **POSTER DISCUSSION SESSION 1**
Odd numbered posters will be presented

Tuesday 12th March 2019

- 09:00 **POSTER VIEWING**
tea/coffee available
- 09:30 **INDUSTRY SPOTLIGHT 1 - NEXCELOM BIOSCIENCE**
Sun Yung
"Novel plate-based detection method for T cell activation/proliferation, migration and cytotoxicity assay using image cytometry."
- 09:45 **SESSION 3**
Chair: Andrea Schietinger
- 09:45 **Alena Gros**
VHIO, Spain
"Harnessing the personalized antitumor T-cell response to treat cancer"
- 10:15 **Johanna Joyce**
University of Lausanne, Switzerland
"Exploring and Therapeutically Exploiting the Tumour Microenvironment"
- 10:45 **KEYNOTE LECTURE**
George Coukos
University of Lausanne, Switzerland
"Orchestration of antitumor immune response. Lesson for immunotherapy from the tumor microenvironment"
- 11:30 **COFFEE BREAK**
- 12:05 **SESSION 4**
Chair: Karin de Visser
- 12:05 **POSTER SPOTLIGHTS**
3 top-scoring abstracts will be presented in short 'flash talks' of 3 minutes each.
- 12:15 **Joan Seoane**
VHIO, Spain
"Embryology meets Oncology. The role of LIF in cancer"

- 12:45 **Marit Melssen**
University of Virginia, USA
Proffered Paper 3: "Formation and function of CD49a+ and CD49b+ CD8 T cells in a murine breast cancer model"
- 13:00 **Sergio Quezada**
UCL Cancer Institute, UK
"T cell evolution in non-small cell lung cancer"
- 13:30 **INDUSTRY SYMPOSIUM - THERMO FISHER SCIENTIFIC**
Tim Looney
"Predicting immunotherapy response and adverse events through next generation sequencing of peripheral blood T cell repertoires"
- 14:00 **LUNCH**
- 15:00 **POSTER DISCUSSION SESSION 2**
Even numbered posters will be presented. Tea & coffee will be available.
- 16:30 **SESSION 5**
Chair: Sergio Quezada
- 16:30 **Graham Pawelec**
University of Tübingen, Germany
"Immunotherapy of Cancer: Triumphs and Challenges and the Impact of Immunosenescence"
- 17:00 **Danique Duits**
NKI, Netherlands
Proffered Paper 4: "Systemic expansion of pro-metastatic neutrophils is enhanced by MET amplification in breast cancer"
- 17:15 **Kris Thielemans**
VUB, Belgium
"mRNA therapeutics: ex-vivo and in-vivo modification of antigen presenting cells"
- 17:45 **DISCUSSION FORUM**
until 18:45
The discussion will be led by Joan Seoane, Zlatko Trajanosky and George Coukos, and participants are invited to contribute to the conversation.
"How to introduce precision medicine principles to immuno-oncology"
- 19:30 **CONFERENCE DINNER**
El Principal del Eixample
Ticketed optional extra

Wednesday 13th March 2019

- 09:00 **POSTER VIEWING**
tea/coffee available
- 09:30 **INDUSTRY SPOTLIGHT 2 - 10X GENOMICS**
Hannes Arnold
"Single Cell and Spatial Gene Expression Analysis of the Tumor Microenvironment"
- 09:45 **SESSION 6**
Chair: Alena Gros

- 09:45 **Núria Lopez-Bigas**
ICREA & IRB Barcelona, Spain
"Biological and clinical relevance of tumor mutations"
- 10:15 **Zlatko Trajanosky**
Innsbruck Medical University, Austria
"Computing and probing immunity in colorectal cancer"
- 10:45 **Jitske van den Bulk**
LUMC, Netherlands
Proffered Paper 5: "Detection of neo-antigen-specific T cell responses in low mutation burden colorectal cancers for personalized therapies"
- 11:00 **COFFEE BREAK**
- 11:30 **Miguel Sanmamed**
University of Navarra, Spain
"Novel patient-derived tumor models for immunotherapy development"
- 12:00 **CLOSING KEYNOTE**
Laurence Zitvogel
Gustave Roussy, France
"The unsuspected role of gut microbiota in cancer therapies"
- 12:45 **SUMMARY & AWARDS**
Scientific Programme Committee
- 13:00 **LUNCH & DEPART**