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