

Nature Conference

# Grand Challenges in Immunology: Immunotherapy for Cancer and Beyond

June 11-13, 2019

Wyndham Grand Qingdao, China

Preliminary programme

Tuesday 11th June		
16:00 – 16:15	Opening Ceremony	
Keynote Lecture		
16:15 – 17:15	TBD	Xuetao Cao Nankai University, China
17:15 – 18:15	TBD	Arlene Sharpe Harvard Medical School, USA
18:30 – 20:00	Welcome reception	
Wednesday 12th June		
Session 1: Macrophages & innate sensing in cancer therapy		
08:30 – 09:00	Death begets a new beginning	Carla Rothlin Yale School of Medicine, USA
09:00 – 09:30	Treat the cancer soil: Turn foes to friends	Erwei Song Sun Yat-Sen University, China
09:30 – 10:00	Mechanisms of innate immune suppression by the malignant tumors	Fangfang Zhou Soochow University, China
10:00 – 10:30	Bridging the gaps of innate signaling control of inflammation	Taoyong Chen Second Military Medical Immunology, China
10:30 - 11:00	<b>Tea &amp; Coffee Break</b>	
Session 2: The microbiota and immunotherapy		
11:00 – 11:30	Role of the microbiota and myeloid cells in cancer therapy	Romina Goldszmid National Cancer Institute, NIH, USA
11:30 – 12:00	Alternative <i>YAP</i> splicing determines the magnitude of macrophage infiltration into tumor microenvironment	Masanori Hatakeyama The University of Tokyo, Japan
12:00 – 12:30	The suppression mechanism of antitumor immunity in the tumor microenvironment of obesity-associated liver cancer	Naoko Ohtani Osaka City University, Japan
12:30 - 14:00	<b>Poster session &amp; Lunch</b>	

Session 3: Immunological checkpoints		
14:00– 14:30	Immunoregulatory Mechanisms in Cancer	Dario Vignali University of Pittsburgh, USA
14:30 – 15:00	Targeting immune regulation within tumours: From mechanisms to new therapies	Sergio Quezada UCL Cancer Institute, UK
15:00 – 15:30	NK cell Exhaustion and Checkpoint Immunotherapy	Zhigang Tian University of Science and Technology of China, China
15:30 - 16:00	<b>Tea &amp; Coffee Break</b>	
Session 4: Cellular therapies		
16:00 – 16:30	CAR T cell therapy to treat HIV infection	James Riley University of Pennsylvania, USA
16:30 – 17:00	T cell therapy 2.0: building the next genera- tion of adoptive T cell immunotherapies	Chris Klebanoff Memorial Sloan Kettering Cancer Center, USA
17:00 – 17:30	Treatment of autologous mesothelin-tar- geted CAR T cells with genomic PD-1/TCR deletion in solid tumor patients	Weidong Han Chinese Peoples Liberat Army Gen Hospital, Mol & Immunol Dept, Biotherapeut Dept, Beijing, China
18:00 - 20:00	<b>Dinner</b>	
Thursday 13th June		
Session 5: Immunometabolic targets in cancer		
08:30 – 09:00	TBD	Larry Turka Rheos Medicines Rheos Medicines , USA
09:00 – 09:30	Fueling T cells in inflammation and cancer	Jeff Rathmell Vanderbilt University Medical Center, USA
09:30 – 10:00	Stress responses and anti-tumor immunity	Yuting Ma Suzhou Institute of Systems Medicine (ISM), Chinese Academy of Medical Sciences, China
10:00 – 10:30	Targeting phospholipid metabolism to reinvigorate T-cell antitumor immunity	Chenqi Xu Shanghai Institute of Biochemistry and Cell Biology, CAS, China
10:30 - 11:00	<b>Tea &amp; Coffee Break</b>	
Session 6: Microenvironment & cytokines		
11:00 – 11:30	Stromal Activation in Cancer Immunology and Immunotherapy	Shannon Turley Genentech, USA
11:30 – 12:00	Macrophage-Tumor cell partnership promotes metastasis.	Jeff Pollard University of Edinburgh, UK
12:00 – 12:30	Onco-immunology: new aspects	Bo Huang Chinese Academy of Medical Sciences, China
12:30 - 14:00	<b>Poster session &amp; Lunch</b>	

### Session 7: ILCs and cancer

14:00 – 14:30	The role of CD39 in the immunological control of cancer	Mark Smyth QIMR Berghofer Medical Research Institute, Australia
14:30 – 15:00	TBD	Francesco Colluci University of Cambridge, UK
15:00 – 15:30	The role of the IgE-FcεRI axis in tumour immune-surveillance	Jessica Strid Imperial College London, UK
15:30 – 16:00	Transdifferentiation of tumor infiltrating innate lymphoid cells during progression of colorectal cancer	Zusen Fan Institute of Biophysics, Chinese Academy of Sciences, China
16:00 – 16:30	<b>Tea &amp; Coffee Break</b>	

### Session 8: Vaccination & oncolytic virotherapy

16:30 – 17:00	Epigenetic control of CD8+ T cell immune responses to tumors	Sebastian Amigorena Institut Curie, PSL Research University, INSERM, France
17:00 – 17:30	TBD	Cornelis (Kees) Melief Leiden University Medical Center, Netherland
17:30 – 18:00	TBD	John Bell Ottawa Hospital Research Institute, Canada
18:00 – 18:30	Tumor targeting antibodies to improve innate and adaptive immunity	Yang-Xin Fu UT Southwestern, USA
18:30 – 19:00	Closing remarks from organizers	
19:00 – 20:30	<b>Dinner</b>	