Systems-level engineering of T-cell specificity Programme

Virtual Event

1 - 2 December 2026

Scientific Programme

Tuesday 1st December 2026

Listed times are in Central European Time (CET)

13:00 WELCOME TO DAY ONE

SESSION 1

Chair: Omer Dushek

13:05 **Benny Chain**
The UCL Institute of Immunity and Transplantation, UK
'Private and shared T cell receptor clusters in cancer immunity'

Q&A: 13:25-13:35

13:35 **Thierry Mora**
École Normale Supérieure (ENS) Paris, France
'How to maintain a diverse T-cell response'

Q&A: 13:55-14:05

14:05 **Carla Brujas Prats**
VHIO, Spain
Proffered Paper 1: 'UPSCALE: scalable functional screening of tumor antigen libraries'

Q&A: 14:15-14:20

14:20 **Kai Wollek**
University of Duisburg-Essen, Germany
Proffered Paper 2: 'Quantitative computational methods for the identification of functionally active T-cell meta-communities from paired scTCR and scRNA data'

Q&A: 14:30-14:35

14:35 REFRESHMENT BREAK

14:55 SESSION 2

Chair: Melita Irving

14:55 FLASH TALKS 1

15:15 **Armita Nourmohammad**
Yale School of Medicine, USA
'Design principles of the adaptive immune response in T-cells'

Q&A: 15:35-15:45

15:45 **Alex Ascunce-París**
Barcelona Supercomputing Center (BSC-CNS), Spain
Proffered Paper 3: 'TCoaRse: integrating coarse-grained structural and protein language representations for generalizable TCR-pMHC pairing prediction'

Q&A: 15:55-16:00

16:00 **Gerard Deuner Cos**
Centro Nacional de Análisis Genómico (CNAG), Spain
Proffered Paper 4: 'Site-specific immune remodeling underlies resistance to dual immune checkpoint blockade in metastatic colorectal cancer'

Q&A: 16:10-16:15

16:15 **Marta Luksza**
MSKCC, USA
'Predicting tumor evolution to design vaccines'

Q&A: 16:35-16:45

16:45 SUMMARY AND CLOSE

Wednesday 2nd December 2026

Listed times are in Central European Time (CET)

13:00 WELCOME TO DAY TWO

SESSION 3
Chair: Benny Chain

13:05 **Omer Dushek**
University of Oxford, UK
'Generation of super-selective T cells by engineering buffered signalling'

Q&A: 13:25-13:35

13:35 **Dirk Busch**
Technical University of Munich, Germany
'Identification of common modes of functional epitope recognition by saturating ultra-deep epitope-specific T cell receptor libraries'

Q&A: 13:55-14:05

14:05 **Morteza Hafezi**
Ludwig Cancer Center, Switzerland
Proffered Paper 5: 'Novel Coiled-Coil Heterodimerization Motif Enables Optimal TCR Pairing, Expression, and Function'

Q&A: 14:15-14:20

14:20 REFRESHMENT BREAK

14:40 SESSION 4
Chair: Armita Nourmohammad

14:40 FLASH TALKS 2

15:00 **Melita Irving**
University of Lausanne, Switzerland
'Engineering specificity, safety and function into T cells against cancer'

Q&A: 15:20-15:30

15:30 INDUSTRY SPOTLIGHT - IMMUNEWATCH
Sander Wuyts
ImmuneWatch
'From T-cell repertoires to biological insight with machine learning: exploring

antigen specificity in cancer immunology'

15:45 **Yue Jin Oh**
University of Oxford, UK
Proffered Paper 6: 'Towards a functional atlas of T cell responses by co-signalling receptors'

Q&A: 15:55-16:00

16:00 **Chris Garcia**
Stanford University, USA
'Inconvenient structural truths for decoding and engineering T cell recognition'

Q&A: 16:20-16:30

16:30 OPEN FORUM
An informal discussion session where speakers and participants are invited to discuss the key talking points from the day

17:00 SUMMARY AND CLOSE