

4th JOINT **ASTCT + EBMT**

Basic and Translational SCIENTIFIC MEETING

14-16 May 2025 • Lisbon, Portugal

Day 1: Wednesday, May 14

Morning sessions

09:00 – 09:15
(15 mins)

Welcome and Introduction

Topic: Fibrosis Session Chair: Bruce Blazar

09:15 – 09:40
(25 mins)
Kevin Hart (US)
Overview on fibrosis
09:40 – 10:05
(25 mins)
Christian Stockmann (CH)
Immunotherapeutic Targeting of Fibrogenic Cells
10:05 – 10:30
(25 mins)
Geoff Hill (US)
Delineating clinically tractable pathogenic pathways of chronic GVHD in patients
10:30 – 11:00
(30 mins)

Panel discussion and Q&A

11:00 – 11:30

Break

Topic: Genome Editing Session Chair: Chiara Bonini

11:30 – 11:55
(25 mins)
Eliana Ruggiero (IT)
TCR-engineered T cell therapy comes of age: generating safe and effective treatments for acute myeloid leukemia
11:55 – 12:20
(25 mins)
Lukas Jeker (CH)
CD45 Gene Editing
12:20 – 12:45
(25 mins)
William Nyberg (SE)
In vivo site-specific integrations to reprogram T cells
12:45 – 13:15
(30 mins)

Panel discussion and Q&A

Afternoon sessions

13:15 – 17:00

Lunch and Afternoon Networking

Best Abstracts (I) Session Chair: Pavan Reddy

17:00 – 17:15
(12 mins + 3 mins Q&A)
Julie Boiko (US)
High-resolution spatial transcriptomic analysis of cutaneous chronic graft-versus-host disease highlights CSF1RintLYZhi macrophage infiltration with aberrant keratinocyte and fibroblast differentiation
17:15 – 17:30
(12 mins + 3 mins Q&A)
Mary Riwes (US)
Rational Modification of Human Gut Microbiome and Metabolites by Dietary Resistant Starch in Allogeneic Hematopoietic Stem Cell Transplantation (allo-HCT) to mitigate acute graft versus host disease (aGVHD): A Phase II study clinical and biological correlates update
17:30 – 17:45
(12 mins + 3 mins Q&A)
Sangya Chatterjee (DE)
Gut-microbiota derived N,N,N-trimethyl-5-aminovaleric acid (TMAVA) is a modulator of CNS-acute GVHD
17:45 - 18:00
(12 mins + 3 mins Q&A)
Verena Holzmüller (DE)
The anti-inflammatory peptide RLS-0071 (pegtarazimod) reduces acute graft-versus-host disease (aGVHD) by modulating immune cells and enterocytes

18:00 – 19:00

Poster Tour + Networking Hour

19:00 – 20:45

Dinner session
Eliane Gluckman (FR)
Sickle cell disease new developments

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Day 2: Thursday, May 15

Morning sessions

Topic: T-Cell Engineering Session Chair: Stan Riddell

09:00 – 09:25 (25 mins)	Johannes Huppa (DE) Understanding T-cell antigen recognition to inform designs of T-cell-based therapies - insights from molecular imaging
09:25 – 09:50 (25 mins)	Stan Riddell (US) Strategies for improving CAR T cell therapies for cancer
09:50 – 10:15 (25 mins)	Yvonne Chen (US) Engineering Multi-Pronged CAR-T Cells for Cancer Therapy
10:15 – 10:45 (30 mins)	Panel discussion and Q&A
10:45 – 11:15	Break

Topic: Biology of Relapse Session Chair: Anna Sureda

11:15 – 11:40 (25 mins)	Jonathan Licht (US) The role of NSD2 in high risk t(4;14) associated multiple myeloma
11:40 – 12:05 (25 mins)	Marieke Griffioen (NL) T-cell responses against minor histocompatibility antigens after allogeneic stem cell transplantation
12:05 – 12:30 (25 mins)	José Ángel Martínez Climent (ES) T-cell immunotherapy response and resistance in mouse models of myeloma and lymphoma
12:30 – 13:00 (30 mins)	Panel discussion and Q&A

Afternoon sessions

13:00 – 17:00 Lunch and Afternoon Networking

Best Abstracts (II) Session Chair: Nicolaus Kröger

17:00 – 17:15 (12 mins + 3 mins Q&A)	Laure Maneix (US) COPII transport controls T-cell functions by regulating SREBP-1 mediated fatty acid metabolism
17:15 – 17:30 (12 mins + 3 mins Q&A)	Anna-Sophia Baur (DE) Targeting miR-146a to improve CAR T cell therapy
17:30 – 17:45 (12 mins + 3 mins Q&A)	Dhyani Shah (DE) Microbial metabolites: Modulators of CAR T cell therapy
17:45 – 18:00 (12 mins + 3 mins Q&A)	Omer Khalid (DE) Timed targeting of cGAS / STING to improve tissue-regeneration and anti-tumor responses following allo-HSCT
18:00 – 19:00	Meet-the-Professor Session
19:00 – 20:45	Dinner Session Cliona Rooney (US) My journey developing virus-specific T-cells as Immunotherapy

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Day 3: Friday, May 16

Topic: Microbiome Session Chair: Ami Bhatt	
08:00 – 08:25 (25 mins)	Ami Bhatt (US) From Precise Microbial Genomics to Precision Medicine
08:25 – 08:50 (25 mins)	Hendrik Poeck (DE) Harnessing microbial metabolites for T cell therapies
08:50 – 09:15 (25 mins)	Robert Jenq (US) Microbiome and transplantation/cell therapies – the search for specific mechanisms
09:15 – 09:45 (30 mins)	Panel discussion and Q&A
Closing remarks	
09:45 – 10:00 (15 mins)	Closing remarks