

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&amp;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&amp;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  
(60 mins)

#### Poster Tour + Networking Hour

19:00 – 19:45  
(45 mins)
**Eliane Gluckman (FR)**  
Sickle cell disease new developments

19:45 – 20:45

#### Dinner

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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)	<b>Johannes Huppa (DE)</b> Understanding T-cell antigen recognition to inform designs of T-cell-based therapies - insights from molecular imaging
09:25 – 09:50 (25 mins)	<b>Stan Riddell (US)</b> Strategies for improving CAR T cell therapies for cancer
09:50 – 10:15 (25 mins)	<b>Yvonne Chen (US)</b> 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)	<b>Jonathan Licht (US)</b> The role of NSD2 in high risk t(4;14) associated multiple myeloma
11:40 – 12:05 (25 mins)	<b>Marieke Griffioen (NL)</b> T-cell responses against minor histocompatibility antigens after allogeneic stem cell transplantation
12:05 – 12:30 (25 mins)	<b>José Ángel Martínez Climent (ES)</b> 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)	<b>Laure Maneix (US)</b> COPII transport controls T-cell functions by regulating SREBP-1 mediated fatty acid metabolism
17:15 – 17:30 (12 mins + 3 mins Q&A)	<b>Anna-Sophia Baur (DE)</b> Targeting miR-146a to improve CAR T cell therapy
17:30 – 17:45 (12 mins + 3 mins Q&A)	<b>Dhyani Shah (DE)</b> Microbial metabolites: Modulators of CAR T cell therapy
17:45 - 18:00 (12 mins + 3 mins Q&A)	<b>Omer Khalid (DE)</b> Timed targeting of cGAS / STING to improve tissue-regeneration and anti-tumor responses following allo-HSCT
18:00 – 19:00 (60 mins)	<b>Meet-the-Professor Session</b> Chairs: Bruce Blazar (Fibrosis), Chiara Bonini (Genome Editing), Stan Riddell (T-Cell Engineering), and Ami Bhatt (Microbiome)
19:00 – 19:45 (45 mins)	<b>Cliona Rooney (US)</b> My journey developing virus-specific T-cells as Immunotherapy
19:45 – 20:45	<b>Dinner</b>

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## Day 3: Friday, May 16

Topic: Microbiome Session Chair: Ami Bhatt	
08:00 – 08:25 (25 mins)	<b>Ami Bhatt (US)</b> From Precise Microbial Genomics to Precision Medicine
08:25 – 08:50 (25 mins)	<b>Hendrik Poeck (DE)</b> Harnessing microbial metabolites for T cell therapies
08:50 – 09:15 (25 mins)	<b>Robert Jenq (US)</b> 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)	<b>Closing remarks</b>