

Basel Cell Therapy Symposium

January 23-24 2025

Organized By Innovation focus Cell Therapies



Thursday, 23rd January 2025

09:00 - 09:10 Welcome and opening by the Symposium organizing committee

Keynote Lecture 1

09:10 - 09:15 Introduction

09:15 - 10:05 **Marcela Maus** (Massachusetts General Hospital, Boston, MA, Harvard University, Cambridge, MA, Harvard Medical School, Boston MA, USA)

"Driving CAR-T cells"

10:10 - 10:40 Coffee Break and Poster Viewing

Session 1 "Cell therapy in solid tumours"

10:40 - 10:45 Introduction

10:45 - 11:15 **Sebastian Kobold** (Klinikum der Universität München, Ludwig-Maximilians-Universität München, Germany)

"Engineering T cells to hit cancer vulnerabilities"

11:20 - 11:50 **Marco Donia** (Copenhagen University Hospital, Herlev and Gentofte, Herlev)

"Tumor infiltrating lymphocytes: challenges and opportunities"

11:55 - 12:05 **Michael T. Sandholzer** (University of Basel and University Hospital Basel)

"In-depth transcriptional profiling of melanoma-reactive T cell fates in TIL therapy reveal resistance mediated by co-transfer of Type 17 T cells"

12:10 - 12:20 **Darya Palianina** (University of Basel and University Hospital Basel)

"Identification of Key EBV-Specific TCRs for Targeted Therapy in EBV-Associated Malignancies"

12:30 - 14:00 Lunch

14:00 - 15:00 Poster Session (with Poster Presenters)

Session 2 "Cell therapy in haematological tumours"

15:00 - 15:05 Introduction

15:05 - 15:35 **Andrea Schmidts** (Technical University of Munich, Germany)

"Engineering new CAR-T platforms"

15:40 - 15:50 **Melita Irving** (University of Lausanne and Lausanne University Hospital)

"Development of remote-control CAR T cells"

15:55 - 16:05 **Tiffany Que** (University of Lausanne and Lausanne University Hospital)

"Potency tuned novel CD70 CAR-T cells with a computationally designed CD27:CD70 binding interface for acute myeloid leukemia"

16:05 - 16:35 Coffee Break and Poster Viewing

Bruno Speck Awards 2024

16:40 - 16:45 Introduction

16:45 - 16:55 **Winner category "Basic Research"**

17:00 - 17:10 **Winner category "Clinically oriented Research"**

Keynote Lecture 2

17:15 - 17:20 Introduction

17:20 - 18:10 **Yvonne Chen** (University of California, Los Angeles, CA, USA)

"Multi-pronged CAR-T Cells for Cancer Therapy"

18:10 - 18:15 Closing remark of the day

Friday, 24th January 2025

09:00 - 09:10 Opening and Keynote Lecture introduction

Keynote Lecture 3

09:10 - 10:00 **Andreas Mackensen** (University Hospital Erlangen, Friedrich Alexander University Erlangen-Nuremberg and Universitätsklinikum Erlangen, Erlangen, Germany)

"CAR-T cells in B-cell mediated autoimmune disease"

10:00 - 11:00 Coffee Break and Poster Viewing

Session 3 "Cell therapy beyond cancer"

11:00 - 11:05 Introduction

11:05 - 11:35 **Toni Cathomen** (Center for Chronic Immunodeficiency, Institute for Transfusion Medicine and Gene Therapy, University of Freiburg)

"Precision Exposed: CRISPR Genotoxicity in Hematopoietic Cell Therapy"

11:40 - 12:10 **Marc Martinez-Llordella** (Quell Therapeutics Ltd, London, UK)

"Development of CAR-Treg therapies to modulate immune responses in transplantation and autoimmunity"

12:15 - 12:25 **Romina Marone** (Basel University Hospital and University of Basel)

"Toxin-free replacement of beta-thalassemia hematopoietic stem cells reverses disease phenotype"

12:30 - 12:40 **Maryam Akrami** (Basel University Hospital and University of Basel)

"Empowering Precursor Exhausted T Cells (Tpex): The Metabolic Shift for Adoptive T Cell Therapy"

12:40 - 12:50 Closing remark of the Symposium by the organizing committee

12:50 - 15:00 Apéro (riche)