



sfb transregio 221

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PROGRAMME

4th Retreat of SFB Transregio 221 – 2nd Funding Period

February 1st – February 3rd, 2023
at Alpbach Tirol, Austria

Venue:

Congress Center Alpbach, Alpbach Tourismus GmbH
"Lichtenstein & von Hayek Saal"

A-6236 Alpbach 246

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Wednesday, February 1st, 2023

7.00 p.m. Get together and welcome dinner at
Hotel Zur Post, A-6236 Alpach, Alpach 184

Thursday, February 2nd, 2023

Service projects Chairs: Perl/Liang

- 09.00 a.m. Z01 - Büttner-Herold / Evert / Rosenwald
Pathology workup of GvHD and GvL in mice and man
- 09.25 a.m. Z02 - Hoffmann / Winkler T. / Beilhack
Animal engineering and complex transplantation models
- 09.50 a.m. INF - Dandekar / Holler / Kehr / Kunz
Data integration platform and systems medicine efforts to foster GvL & GvHD research

10.15 – 10.35 a.m. Coffee break at "Kunst Foyer", Level 1 East

Projects – Section A Chairs: Karl/Inchingolo

- 10.35 a.m. A01 - Reimann / Kremer
Deciphering the role of HLA-DO in immune responses after allogeneic stem cell transplantation
- 11.00 a.m. A02 - Thomas / Herr
Efficacy and safety of HLA-DPB1-specific T-cell receptors as mediators of graft-versus-leukemia effect
- 11.25 a.m. A03 - Hudecek / Einsele
Advanced CAR T cell engineering to augment the graft-versus-leukemia effect of allogeneic HSCT
- 11.50 a.m. A04 - Bumm / Mokhtari / Stuhler
Novel tri-specific T-cell activating antibodies for personalized graft-versus-leukemia therapy

12.15 - 01.25 p.m. Lunch break at "Kunst Foyer", Level 1 East

Projects – Section A&B Chairs: Koch/Janning

- 01.25 p.m. A06 - Mougiakakos / Mackensen
Metabolic stress related immune alterations with impact on graft-versus-leukemia effect in allogeneic stem-cell transplantation
- 01.50 p.m. A07 – Harrer / Gattinoni
Enhancing graft-versus-leukemia responses by donor-derived CAR-modified CD8+ T memory stem cells
- 02.15 p.m. A08 – Poeck / Schmidl
Timed targeting of cGAS / STING to improve tissue regeneration and anti-tumor responses following allo-HSCT
- 02:40 p.m. B01 - Berberich-Siebelt / Spörl
Therapeutic targeting of T-follicular cells in GvHD
- 03.05 p.m. B02 - Wajant
Targeting of TNFR2 and related molecules to separate GvHD from the GvL effect

03.30 – 04.00 p.m. **Coffee break at "Kunst Foyer", Level 1 East**

04.00 – 05.30 p.m. **General assembly of Pls**

06.15 p.m. *Start walk (30-45 min) to the evening location Gasthof Rossmoos*

07.00 p.m. **Reception and Dinner for all participants (way back walk)**

Friday, February 3rd, 2023

Projects – Section B **Chairs: Habenicht/Bittner**

09.00 a.m. Lecture by Marcel van den Brink

Title: The role of the intestinal microbiome in cancer immunotherapy

09.30 a.m. **B03 – Hildner**

Generation, molecular characteristics and effector mechanisms of CSF2+ T cells in graft-versus-host disease

09.55 a.m. **B04 - Distler / Jitschin**

Aldehyde dehydrogenase 3A2 (ALDH3A2) as a novel regulator of inflammation and fibrotic tissue remodeling in sclerodermatous chronic graft-versus-host-disease

10.20 a.m. **B07 - Hoffmann / Rehli / Edinger**

GvHD therapy with in vitro expanded donor regulatory T Cells

10.55 – 11.15 a.m. Coffee break at "Kunst Foyer", Level 1 East

Chairs: Matos/Kreitmeier

11.15 a.m. Lecture by Robert Zeiser

Title: Immune escape of leukemia cells after allo-HCT

11.45 a.m. **B08 – Feuerer**

Harnessing tissue homeostasis-promoting functions of specialized regulatory T cells in graft-versus- host disease

12.10 p.m. **B09 – Gomez de Agüero / Beilhack**

Regulation of tissue-resident myeloid cells controlling acute and chronic GvHD

12.35 p.m. **B10 - Winkler T./ Winkler J. / Wolff**

Dysregulations of the B- lymphocyte compartment leading to chronic GvHD

01.00 – 02.10 p.m. Lunch break at "Kunst Foyer", Level 1 East

Chairs: Kunert/Khalid

02.10 p.m. **B11 – Zernecke-Madsen / Beilhack**

Targeting the reciprocal interaction of GvHD and atherosclerosis after allogeneic HSCT

02.35 p.m. **B12 - Kreutz / Bruns**

Regulation of the immune balance during allogeneic hematopoietic stem cell transplantation (HSCT) by vitamin D3

03.00 p.m. **B13 - Weber / Gessner / Holler**

Enterococci in allogeneic stem cell transplantation – indicators of loss of diversity or true GvHD pathogens?

About 03.25 p.m. Farewell