



10th Cell Migration Retreat
Institute for Research in Biomedicine (IRB), Bellinzona
Tuesday, August 30 to Wednesday, August 31, 2022

Monday, August 29, 2022

ca. 13:30 **Arrival IRB, Bellinzona for Cytomeet**
Hotel Check-in at Hotel Unione, via Henry Guisan 1, Bellinzona
Check-in possible from 13:30 to 24:00
walking distance to IRB 10 minutes

Summer Cytomeet 2022, 14:00 - 18:00

IRB, via Francesco Chiara 5, Bellinzona, Switzerland -<https://www.irb.usi.ch/>
with four distinguished keynote speakers:

Johanna Ivaska, Heidi Welch, and Jaap van Buul
followed by a BBQ dinner

Tuesday, August 30, 2022

06:30 - 08:30 **Breakfast at Hotel Unione (walking distance to IRB 10 minutes)**

09:00 - 09:10 **Welcome – Marcus Thelen and Britta Engelhardt**

09:10 - 12:00 **Session 1: Chair – Carole Bourquin**

09:10 - 09:30 **Javier Pareja (Britta Engelhardt)**

Title: Brain endothelial antigen presentation detains CD8 T cells at the blood-brain barrier leading to its breakdown

09:30 - 09:50 **Valeria Oliva (Christoph Scheiermann)**

Title: Role of the sympathetic nervous system in circadian leukocyte dynamics in the skin

09:50 - 10:10 **Bart Boersma (Carole Bourquin)**

Title: Targeting gasdermin D for the treatment of breast carcinoma

10:10 - 10:40 Coffee break

10:40 - 11:00 **Oliver Gerken (Daniel Legler)**

Title: Atypical Chemokine Receptors in Scavenging Homing Chemokines and Beyond

- 11:00 - 11:20 **Daniela Claudino Carvoeiro (Jens Stein)**
Title: A CCR7 rheostat restricts TCR signaling to prevent dysfunctional T cell activation
- 11:20 - 11:40 **Kristina Berve (Britta Engelhardt)**
Title: Role of the angiogenic factor Angiopoietin-2 in monocyte-derived macrophage recruitment into the healthy and inflamed central nervous system

11:40 - 13:30 Lunch break (Pizza in house)

13:30 - 15:00 Session 2: Chair – Anna Oevermann

- 13:30 - 13:50 **Nadine Anslinger (Daniel Legler)**
Title: The role of sprouty2 in dendritic cell migration and induction of adaptive immunity
- 13:50 - 14:10 **Stefanie Wissmann (Jens Stein)**
Title: DOCK2 and phosphoinositide-3 kinase d mediate two complementary signaling pathways for CXCR5-dependent B cell migration
- 14:10 - 14:30 **Sasha Soldati (Britta Engelhardt)**
Title: Vitamin D regulates T-cell migration across the blood-brain barrier
- 14:30 - 14:50 **Irene Latino (Santiago Gonzalez)**
Title: Pre-existing immunity causes suppression of the immune response against influenza vaccine by inhibiting the antibodies-antigen uptake and presentation by LNDC

14:50 - 17:30 Free time – Group activity - Coffee break

17:30 - 18:30 Session 3: Career paths in science

The Keynote Speakers of the Cytomeet
Johanna Ivaska - Heidi Welch - Jaap van Buul
present "My personal career path in 15 minutes"

followed by Questions and Discussion

19:00 - 20:30 Dinner Ristorante Grottino Ticinese (walking distance 5 minutes)

20:45 - 21:45 Science Flashes – Chair: Britta Engelhardt

PhD students present their research in 5 minutes science flashes followed by 2-5 minutes of questions

Cihat Burak Kizil (Christoph Scheiermann)

Title: Effect of the sympathetic nervous system on tumor growth and dissemination

Elaheh Ghovehoud (Mariagrazia Ugucioni)

Title: Migration stimulating factor: a new target in cancer biology

Serena Melgrati (Marcus Thelen)

Title: Characterization of GPR182: a broad chemokine scavenger

Melanie Scalise (Maria Balmer)

Title: Immunometabolic sensing of bacterial metabolites driving diet-induced obesity

Chen Wang (Christoph Scheiermann)

Title: Time-of-day effect in tumor infiltrating leukocytes

Zollet Valentina (Robert Rieben)

Title: Elevated NET-formation and Citrullinated-Fibrinogen are Found in a Porcine Model of Acute Limb Ischemia Reperfusion Injury

Wednesday, August 31, 2022

07:30 - 08:30 Breakfast at Hotel Unione and Check-Out

09:00 - 10:30 Session 3: Chair – Christoph Scheiermann

09:00 - 09:20 **Amandine Brenna (Britta Engelhardt)**

Title: Studying Th17 cell trafficking from the choroid plexus into the central nervous system

09:20 - 09:40 **Leonhard Schink (Daniel Legler)**

Title: CCR7 mutants: Drivers of Adult T-Cell Leukemia/Lymphoma progression?

09:40 - 10:00 **Jose Martinez Magdaleno (Jens Stein)**

Title: Exocrine gland-resident memory CD8+ T cells use mechanosensing for tissue surveillance

10:00 - 10:20 **Tommaso Virgilio (Santiago Gonzales)**

Title: IL-1 α secreted by subcapsular sinus macrophages promotes melanoma metastasis in the sentinel lymph node by upregulating STAT3 signaling in the tumor

10:20 - 11:00 Coffee break

11:00 - 12:00 Session 4: Quiz and Awards – Chairs: Daniel Legler & Jens Stein

Support team: Giacomo & Chiara from the Gonzales Lab

11:00 - 11:45 **Quiz**

11:45 - 12:00 **Prize Awards:** Quiz winner – best Science Flash – best Presentation

12:00 Farewell with lunchbox

