



6th Cell Migration Retreat; Schloss Gerzensee 5th to 6th September 2018

Wednesday, September 5, 2018

- 10:00-10:30 Arrival Schloss Gerzensee, Coffee
- 10:45-12:15 Session 1; Chair Marcus Thelen**
- 10:45-11:05 **Julia Wagner, University of Geneva**
COMBINING TLR7 AND STING LIGANDS FOR CANCER IMMUNOTHERAPY:
MOTIVATIONS, PROBLEMS AND PERSPECTIVES
- 11:05-11:25 **Nathalie Steinhoff, University of Geneva**
BASELINE CHARACTERIZATION OF THE TUMOR MICROENVIRONMENT IN
DIFFERENT MOUSE TUMOR MODELS
- 11:25-12:15 **Heidi Welch, The Babraham Institute, Cambridge UK**
RAC-GEFS IN CELL MIGRATION
- 12:15-13:30 *Lunch Break*
- 13:30-15:00 Session 2; Carole Bourquin**
- 13:30-13:50 **Luca Marchetti, TKI Bern**
COMBINING LIVE CELL IMAGING AND RNASEQ ANALYSIS TO UNVEIL
CELLULAR AND MOLECULAR MECHANISMS DIRECTING T-CELL MIGRATION
ACROSS THE BLOOD-BRAIN BARRIER
- 13:50-14:10 **Mariana Dias, TKI Bern**
ULTRASTRUCTURAL 3D ANALYSIS OF T-CELL DIAPEDESIS ACROSS THE
BLOOD-BRAIN BARRIER UNDER PHYSIOLOGICAL FLOW
- 14:10-15:00 **Christoph Scheiermann, University of Geneva**
MAPPING LEUKOCYTE MIGRATION PATTERNS IN TIME
- 15:00-17:30 *Coffee Break & time for Swimming in the privat hotel lake*
- 18:00-18:30 2 min poster flash**
- 19:00 *Dinner*
- 20:30-22:00 Poster presentations**

Thursday, September 6, 2018

- 07:30-08:30 *Breakfast /*
- 08:30-10:00 Session 3; Chair Jens Stein**
- 08:30-08:50 **Barbara Jakobs, BITg Kreuzlingen**
DEVELOPMENT OF CONFORMATIONAL BIOSENSORS TO INVESTIGATE
CCR7 SIGNALING PATHWAYS
- 08:50-09:10 **Guerric Samson, BITg Kreuzlingen**
THE ROLE OF FLOTILLIN-2 IN ANTIGEN PRESENTATION AND IMMUNE CELL
MIGRATION
- 09:10-10:00 **Wolfgang Kastenmüller, Institutes of Immunobiology and
Systemsimmunology, University of Würzburg**
T CELL PRIMING FROM A SPATIOTEMPORAL PERSPECTIVE
- 10:00-10:20 *Coffee break*

10:20-12:00	Session 4; Chair Daniel Legler
10.20-10.40	Sandra Hocevar, University of Geneva HOW GOLD NANOPARTICLES EFFECT B LYMPHOCYTES AND THEIR FUNCTION?
10:40-11:00	Miguel Palomino, IRB Bellinzona PROTECTION AGAINST INFLUENZA VIRUS INFECTION REQUIRES EARLY RECOGNITION BY INFLAMMATORY DENDRITIC CELLS THROUGH C-TYPE LECTIN RECEPTOR SIGN-R1
11:00-11:20	Rafet Ameti, IRB Bellinzona ROLE OF ACKR3 IN LEUKOCYTE MIGRATION AND THE MICROARCHITECTURE OF MOUSE SPLEEN
11:20-11:40	Sabrina Casella, IRB Bellinzona THE APEX2 SYSTEM: AN APPROACH FOR THE IDENTIFICATION OF ACKR3 INTERACTOME
11:40-12:00	Sidar Aydin, TKI Bern THE ROLE OF ENDOTHELIAL ANTIGEN PRESENTATION IN THE CD8+ T-CELL MIGRATION ACROSS THE BLOOD-BRAIN BARRIER UNDER NEUROINFLAMMATION
12.15-13.30	<i>Lunch Break</i>
13:30-15:20	Session 5, Chair Britta Engelhardt
13:30-14:20	Christophe Guilly, Institute for Advanced Biosciences – Inserm Nantes MECHANOTRANSDUCTION VIA THE NUCLEAR ENVELOPE
14:20-14:40	Nora Ruef, TKI Bern/University of Fribourg CD8+ T CELLS ADAPT THEIR ACTOMYOSIN CYTOSKELETON FOR SURVEILLANCE OF NON-LYMPHOID TISSUE
14:40-15:00	Ana Marcos, TKI Bern/University of Fribourg EFFECT OF THE TYROSINE KINASE INHIBITOR DASATINIB ON LYMPHOCYTE TRAFFICKING
15:00-15:20	Quiz by Viola Puddinu, University of Geneva
15:20	End of Retreat
15:37	Bus to Wichtrach/Bern

TITLES OF POSTER PRESENTATIONS

Lukas Altenburger, TKI Bern/University of Fribourg

CONTROLLING THE DURATION OF THE IMMUNOLOGICAL SYNAPSE IN VIVO

Paola Antonello, IRB Bellinzona

THE ROLE OF ACKR3 IN B CELL LYMPHOMA TRANSMIGRATION AND CORRELATION WITH IGM EXPRESSION

Marc Artinger, BITg Kreuzlingen

THE CCR7 GLYCOCALYX SHAPE IN CONTROLLING RECEPTOR FUNCTION AND LIGAND RECOGNITION

Stefano Bagatella, Vetsuisse Faculty Bern

MECHANISMS OF NEUTROPHIL MIGRATION INTO THE BRAIN DURING NEUROLISTERIOSIS

Chien-Sin Chen, University of Geneva

NEURAL CONTROL OF LYMPH NODE CELLULARITY

Daniela Ivan, TKI Bern

MACROPHAGE INTERACTION WITH THE INFLAMED CNS BARRIERS – AN *IN VITRO* APPROACH

Irene Latino, IRB Bellinzona

STUDY OF THE IGG-MEDIATED SUPPRESSION RESPONSE ELICITED BY DIFFERENT ANTI-HA ANTIBODIES

Petra Pfenninger, TKI Bern/University of Fribourg
INTEGRIN ALPHA4 IN SLEC FORMATION

Hélène Poinot, University of Geneva
IMPACT OF GLUCOCORTICOIDS ON ANTI-CANCER IMMUNE RESPONSE

Betul Taskoparan, University of Geneva
DOWNREGULATION OF INTRATUMORAL HMGB1 REDUCES TUMOR GROWTH BY AN IMMUNE-MEDIATED MECHANISM

Tommaso Virgilio, IRB Bellinzona
IN VIVO CHARACTERIZATION OF MELANOMA DISSEMINATION THROUGH THE LYMPHATIC SYSTEM

Stefanie Wissmann, TKI Bern/University of Fribourg
MIGRATION OF TRMS IN DIFFERENT TISSUES