



Wednesday April 7th:

10:00-12:30 – Workshop “Research ethics and scientific fraud” in collaboration with HBP

<https://zoom.us/j/92217419547?pwd=emJmMUR4REtjN2dXWS9RcWhnTTFmdz09>

Thursday April 8th:

<https://zoom.us/j/94641275292?pwd=bHp5WIAwanNwdGplbUJEMTVMUjJmdz09>

09:50-10:00 Opening remarks

10:00-10:45 Plenary Lecture Dirk Haller, Technical University of Munich

“Functional relevance of microbiome signatures”

(chair: tba)

10:45-11:00 Break

11:00-12:15 Parallel short talk session 1A and 1B

1A: Berek, Fodor, Hutter, Kellnerová, Hofmann (chair: Kheirkhah, Di Maio)

1B: Weiler, Liebscher, Schoeler, Kompatscher, Trafoier (chair: Hoppe, Schapfl)

12:15-13:00 Lunch break

13:00-13:45 Plenary Lecture Gerhard Schütz, Vienna University of Technology

“Molecular forces in T cell antigen recognition: why pulling may help to sharpen the response”

(chair: Braun)

13:45-14:00 Break

14:00-15:15 short talk session 2A and 2B

2A: Abramovic, Aldrian, Hörmann, Brunner, Karbon (chair: Eichin, Amprosi)

2B: Kiechl, Troger, Huber, Dittrich, Holzknrecht (chair: Massri, Senoner)

Friday April 9th:

<https://zoom.us/j/94850008594?pwd=QU1KNzJPRCtoVjRqTWWh5SjJ6WHlvdz09>

10:00-10:45 Plenary Lecture Klaus Rajewsky, Max Delbrück Center for Molecular

Medicine in the Helmholtz Association “From Epstein-Barr-Virus driven diseases to gene repair and somatic cell therapy, using mouse and human T and hematopoietic stem/progenitor cells”(chair: tba)

10:45-11:00 Break

11:00-12:15 Parallel short Talk Session 3A and 3B

3A: Fleischmann, Klee, Böhnke, Grosbusch, Hatzmann (chair: Brucker, tba)

3B: Carbone, Marini, Ablinger, El Ghaleb, Tisch (chair: Widmann, Chernova)

12:15-13:00 Lunch break

13:00-14:15 Parallel short Talk Session 4A and 4B

4A: Beyer, Egelseer-Bründl, Lechner, Ellmerer, Huber (chair: Abram, Spraidner)

4B: Chernova, Lindner, Treichl, Amaral, Edenhofer (chair: Jacobo-Piqueras, Putnina)

14:15-14:30 Break

14:30-15:15 Plenary Lecture Ada Eban-Rothschild, University of Michigan

“Neuronal regulation of pre-sleep behaviors”

(chair: tba)

15:15-15:35 MCBDB best paper award (presented by: Flucher)

Short talk awards & closing remarks (chair: tba)



Life Science PhD Meeting Innsbruck 2021 – Short Talk Session Details Thursday April 8th

11:00-12:15 Short Talk Session 1A:

Chair: Azin Kheirkhah and Silvia Di Maio

Klaus Berek: Cerebrospinal fluid oligoclonal bands in Neuroborreliosis are specific for *Borrelia burgdorferi*

Margot Fodor: Leukocyte migration and cytokine profiling in the perfusate during normothermic machine perfusion of human liver allografts

Katharina Hutter: Loss of the miR-15 family alters B cell development

Sara Kellnerová: Shiga toxin 2a binds to complement components C3b and C5 and upregulates their gene expression in human cell lines

Julia Hofmann: The analysis of mitochondrial respiration during normothermic machine perfusion for viability testing

11:00-12:15 Short Talk Session 1B:

Chair: Katharina Hoppe and Marina Schapfl

Elias Weiler: The PIDosome as a driver of sterile inflammation

Gudrun Liebscher: The LAMTOR complex is necessary for maintaining brown adipose tissue homeostasis

Katia Schoeler: MYC-driven lymphomas evade apoptosis by miR-17-92-mediated BIM repression

Maria Kompatscher: The role of the tRNA wobble position on decoding of synonymous codons

Thomas Trafoier: CRISPR-Cas9n mediated gene therapy development for EPPK

14:00-15:15 Short Talk Session 2A:

Chair: Felix Eichin and Matthias Amprosi

Anto Abramovic: Correlation analysis of CT- and DXA-measured bone mineral density (BMD) in patients with lumbar spine instrumentation

Denise Aldrian: Congenital Diarrhea and Cholestatic Liver Disease: Phenotypic Spectrum Associated with MYO5B Mutations

Anton Amadeus Hörmann: Initial In Vitro and In Vivo Evaluation of a Novel CCK2R Targeting Peptide Analog Labeled with Lutetium-177

Elena Brunner: Nox4 regulates adhesion signaling pathways in cancer-associated fibroblasts and is a potential therapeutic target in the prostate cancer microenvironment

Gerlinde Karbon: NOXA predicts breast cancer survival

14:00-15:15 Short Talk Session 2B:

Chair: Mariam Massri and Thomas Senoner

Sophia Kiechl: Sex-specific differences in the prevalence of incidental diagnoses in adolescents

Felix Troger: Cardio-pulmonary transit-time by cardiac magnetic resonance imaging: Associates to infarct severity and adverse events after reperfused STEMI

Silke Huber: A high leukocyte count and administration of hydrocortisone hamper PCR-based diagnostics for bloodstream infections

Rosalie Dittrich: Non cell-autonomous functions of Cav1.2 in pancreatic beta-cell regulation

Magdalena Holzkecht: Global longitudinal strain improves risk assessment after ST-segment elevation myocardial infarction: A comparative prognostic evaluation of left ventricular functional parameters



11:00-12:15 Short Talk Session 3A:

Chair: Camille Brucker and tba

Jakob Fleischmann: Allosteric kinase inhibitors reshape MEK1 kinase activity conformations

Katharina Klee: Dissecting apical cargo transport in polarized epithelial cells

Lena Böhnke: Induced neurons to evaluate psychiatric risk for Alzheimer's disease development and progression

Alexandra Grosbusch: Comparative regeneration of prolethophoran flatworms

Florian Hatzmann: Quiescence, stemness and adipogenic differentiation capacity in human DLK1-/CD34+/CD24+ adipose stem/progenitor cells

11:00-12:15 Short Talk Session 3B:

Chair: Melanie Widmann and Anna Chernova

Federico Carbone: Impaired inhibitory control of saccadic eye movements in cervical dystonia: an eye tracking study

Kathrin Marini: Associations of gait disorders and recurrent falls in older people: a prospective population-based study

Cornelia Ablinger: The role of $\alpha 2\delta$ subunits in synapse formation and their association with autism

Yusra El Ghaleb: CACNA1I gain-of-function mutations differentially affect channel gating and cause neurodevelopmental disorders

Marcel Tisch: Genome-engineered human stem cells to study the pathophysiology of ASD-related VGCC mutations

13:00-14:15 Short Talk Session 4A:

Chair: Julia Abram and Patrick Spraidler

Christoph Beyer: Gender appropriateness of current guidelines for coronary artery disease evaluation

Tim Egelseer-Bründl: Mode of action and effects of a multidimensional post-discharge disease management programme for heart failure patients on morbidity and mortality: the HerzMobil Tirol programme

Ivan Lechner: Sex-related differences in pulse wave velocity among patients with ST-segment elevation myocardial infarction

Philipp Ellmerer: Gender-differences of frontal executive functions in patients with restless legs syndrome

Anna Lena Huber: Factors influencing waiting time in delayed sequential bilateral cararact surgery: gender disparities and beyond

13:00-14:15 Short Talk Session 4B:

Chair: Noelia Jacobo-Piqueras and Lauma Putnina

Anna Chernova: Mental health during the COVID-19 pandemic: gender differences in psychological distress, loneliness, resilience and extraversion among the general population of Tyrol, Austria

Anna Lindner: Lesion location in patients with a subarachnoid hemorrhage

Stephanie Alice Treichl: Cerebral energy status and altered metabolism in early brain injury after aneurysmal SAH: first results of a prospective 31-P-MRS study

Inês Amaral: Involvement of cAMP-dependent protein kinase in the nucleus accumbens in cocaine versus social interaction reward

Marie-Luise Edenhofer: Cholinergic projections to the medial prefrontal cortex of a neuropathic pain mouse model