



**University
of Basel**

Department of
Biomedicine



Departement
Biomedizin
Basel

DBM Summer Symposium

August 17, 2023

**Big Lecture Hall, ZLF
Hebelstrasse 20
4031 Basel**



**University Hospital
Basel**



University Children's Hospital Basel

Program

August 17, 2023

08:00 – 08:05 **Ivan Martin**, Welcome

Session 1 **Chairs: Gregor Hutter and Carolyn King**

08:05 - 08:10 **Clara Serger**, Cancer Immunology
Characterization of the chromatin and transcriptional landscapes of intratumoral NK cells

08:15 – 08:20 **Dennis Strobbe**, Infection Biology
Profiling of Epstein-Barr Virus-Specific T Cells in TSCM-enriched Immune Therapy

08:25 - 08:30 **Virginie Freytag**, Molecular Neurosciences
Blood metabolites linked to human cognition

08:35 - 08:40 **Manuele Muraro**, Pitch «Securing Innovation: Unveiling the Power of Patent Protection»

08:40 - 08:45 **Andrea Mazzoleni**, Bone Regeneration
Bone metastatic niche: models to study the interaction between prostate cancer and the bone microenvironment

08:50 - 08:55 **Laurentz Schuhknecht**, Systems Pharmacology
Predicting drug Modes of Action using high-throughput metabolomics

09:00 - 09:05 **Kelly Trimigliozi**, Diabetes Research
Do pancreatic alpha cells enable cephalic phase insulin release?

09:10 - 09:15 **Simon Früh**, Molecular Neurobiology Synaptic Plasticity
Pathogenic AJAP1 loss-of-function mutations disrupt trans-synaptic control of neurotransmitter release

09:20 - 09:25 **Susan Treves**, Pitch «PhD Program»

09:25 - 09:30 **Victorio Palacio**, Developmental Genetics
Reduced protection of early progenitors by Grem1-mediated BMP antagonism causes loss of specific digits

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09:35 - 09:40 **Madhuri Manivannan**, Tumor Heterogeneity Metastasis and Resistance
Molecular mechanisms underlying the effects of Glucocorticoid Receptor activation in ESR1 mut breast cancer metastasis

09:45 - 09:50 **Aleksandra Maleska Maceski**, Clinical Neuroimmunology
Serum glial fibrillary acidic protein (GFAP) is a longitudinal indicator of disease progression in MS while neurofilament light chain (NfL) associates with therapy response in patients under B-cell depleting therapy

09:55 - 10:00 **Carolyn King**, Pitch «Publication-Rating detached from the Impact Factor»

10:00 - 10:30 **Break with Refreshments**

10:30 - 11:10 **Antonella Santuccione**, Keynote Lecture

Session 2 **Chairs: Anna Marsano and Mattia Zampieri**

11:10 - 11:15 **Martina Konantz**, Allergy and Immunity
Establishment of a novel pre-clinical mouse model for advanced systemic mastocytosis

11:20 - 11:25 **Basil Wicki**, Pulmonary Infection Biology
The landscape and molecular underpinnings of mycobacterial drug interactions

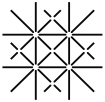
11:30 - 11:35 **Jonas Malkmus**, Developmental Genetics
Robustness and plasticity of a self-organizing system

11:40 - 11:45 **Fabian Otte**, Molecular Virology
Single-cycle vaccines and their potential in vaccinology

11:50 - 11:55 **Kerstin Broich**, Pitch «Mouse Facility Staff»

12:00 - 12:15 **Award Ceremony and Research Presentation**
DBM Research Prize 2022/2023

The Department of Biomedicine
is a joint venture between the
following institutions:



**University
of Basel**



**University Hospital
Basel**



University Children's Hospital Basel

**Educating
Talents**
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