



**University
of Basel**

Department of
Biomedicine



DBM Summer Symposium

Wednesday, September 09, 2026

08:00 - 13:00

followed by an Apéro

Big Lecture Hall, ZLF
Hebelstrasse 20,
4031 Basel

Program

September 09, 2026

08:00-08:05	Ivan Martin, Welcome
08:05-08:35	Keynote Lecture: Stephen Quake – D-BSSE, ETHZ <i>Medical Innovations from the Genome Revolution</i>
Session 1	Chairs: Karen Dixon + Javier Pareja
08:35-08:45	Marie Czech , Immunobiology and Immunotherapy <i>Systematic dissection of gamma-chain cytokine-driven reprogramming of exhausted CD8 T-cells using orthogonal cytokine/receptor pairs identifies IL-4 as a potent enhancer of PD-1 therapy</i>
08:45-08:55	Dorssa Akbari , Immunodeficiency <i>Rare germline SAMHD1 SAM-domain mutation associated with autosomal dominant type I interferonopathy</i>
08:55-09:05	Julia Lehmann , Cancer Immunotherapy <i>Combination of adoptive cell therapy with ANV419, a selective IL-2rβ/γ agonist, in patients with advanced melanoma</i>
09:05-09:15	Irene Fusi , Cancer Immunology <i>Decoding CD4+ T cells dynamics and immunotherapy response in lung cancer</i>
09:15 - 09:25	Jerneja Koren , Blood Cancer Biology and Immunotherapy <i>Leukaemia - induced metabolic reprogramming drives a tumor-promoting state of bone marrow-resident macrophages in acute myeloid laukaemia</i>
09:25-09:50	Coffee-Break with Refreshments
Session 2	Chairs: Josef Bischofberger + Ekaterina Verdiyan
09:50-10:00	Mengjin Shi , RNA Biology and Neurogenetics <i>Exploring functional networks of neuronal 3' UTRs in Drosophila</i>
10:00-10:10	Neda Ghasemi , Cognitive Neuroscience <i>Structural Connectivity of Functionally Defined Episodic Memory Networks: A Large-Scale Connectome-Behavior Study</i>
10:10-10:20	Maria Shujah , Brain and Sound <i>A reusable neural schema in auditory cortex underlies curriculum learning in mice</i>
10:20-10:30	Elisa Preto , Cancer Neuroimmunology <i>CGRP-RAMP1 Regulates Dendritic Cell Spatial Positioning in Tumour</i>
10:30-10:40	Madan Mukundan , Neuroplasticity <i>Experience-Dependent Feedback Processing in Mouse Visual Cortex</i>

Session 3**Chairs: Elisabeth Roider + Oneda Leka**

10:40 - 10:50

Charly Jehanno, Tumor Heterogeneity Metastasis and Resistance*Informing therapy decision using functional drug screening and imaging mass cytometry on drug refractory metastatic lesions*

10:50 - 11:00

Laurentz Schuhknecht, Systems Pharmacology*CRISPR meets metabolomics: A scalable platform for drug-target deconvolution*

11:00 - 11:10

Ana Teresa Pais, Molecular Immune Regulation*A Tmem127 multi-protein complex regulates IL-7 driven proliferation by limiting IL-7 receptor abundance in naïve CD8⁺ T cells*

11:10 - 11:20

Tiphaine Camarasa, Infection Immunology*B cell - stromal cell interactions during tuberculosis*

11:20 - 11:45**Break with Refreshments**

Session 4**Chairs: Mike Recher + Pedro Loureiro**

11:45 - 11:55

Aya Iizuka, Infection Biology*The Mnh1 cation-proton antiporter is essential for Staphylococcus aureus survival in human monocytes*

11:55 - 12:05

Deniz Kaymak, Brain Tumor Immunotherapy and Biology*Determinants of CNS Macrophage Niche Accessibility and Microglial Replacement*

12:05 - 12:15

Daniel Zeman, Tissue Engineering (ex Diabetes Research)*Inhibition of the NLRP3 Inflammasome Prevents Hyperglycemia in a Humanized Model of Type 2 Diabetes*

12:15 - 12:25

Viviane Tschan, Translational Genitourinary Cancer Research*A patient-derived organoid platform for integrative molecular and functional profiling of aggressive bladder cancer*

12:25 - 12:30

Representatives of the PhD & Postdoc Clubs*«Mentoring & Networking»*

12:30 - 12:50**Award Ceremony and Research Presentation*****DBM Paper Prize Winner 2025/2026***

12:50 - 13:00

Best Presentation Award 2026

13:00

Apéro, ZLF Foyer

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



**Educating
Talents**
since 1460.

University of Basel
Department of Biomedicine
Hebelstrasse 20
4031 Basel
Switzerland

www.biomedizin.unibas.ch