



**“SINGLE-CELL BASED SYSTEMS MEDICINE”  
Summer School Symposium**

@BIMSB Large Conference Room  
Thursday June 2, 2022

09:00 – 09:30 AM    REGISTRATION

09:30 – 09:40 AM    WELCOME by organizers

*Chair-1 Simon Haas*

09:40 – 10:30 AM    **Bart De Strooper** (*keynote lecture*)  
*VIB, KU Leuven*

*“The use of single cell and spatial transcriptomics to understand the cellular phase of Alzheimer’s Disease”*

10:30 – 10:55 AM    **Dominic Grün**  
*MPI, Freiburg*

*“Hidden message in the noise: Decomposing single-cell transcriptome variability”*

10:55 – 11:20 AM    **Angelika Eggert**  
*Charité Universitätsmedizin, Berlin*

*“Single-cell based cancer medicine”*

11:20 – 11:50 AM    COFFEE BREAK / MEET THE SPEAKERS

Chair-2 Ashley Sanders

- 11:50 – 12:15 AM    **Il-Kang Na**  
*Charité Universitätsmedizin, Berlin*
- “Allogeneic hematopoietic stem cell transplantation as ‘human T cell clone transfer model’ ”*
- 12:15 – 12:40 PM    **Leïla Perié**  
*Institute Curie, Paris*
- “Family matters: the role of single cell families in hematopoiesis”*
- 12:40 – 01:05 PM    **Philip Rosenstiel**  
*IKMB, Kiel*
- “Precision medicine in Inflammation – from single-cells to therapy prediction”*
- 01:05 – 01:20 PM    GROUP PICTURES
- 01:20 – 03:00 PM    NETWORKING LUNCH

Chair-3 Joana P. Bernardes

- 03:00 – 03:25 PM    **Ashley Sanders**  
*BIMSB/MDC, Berlin*
- “Somatic mutations and their consequences by single-cell and single-strand sequencing”*
- 03:30 – 03:55 PM    **Lars Velten**  
*Center for Genomic Regulation, Barcelona*
- “Hunting leukemic stem cells with clonally resolved single-cell multi-omics”*
- 03:55 – 04:20 PM    **Nikolaus Rajewsky**  
*BIMSB/MDC, Berlin*
- “RNA in space and time”*
- 04:20 - 04:30 PM    CLOSING by organizers
- 04:30 – 05:00 PM    COFFEE BREAK / MEET THE SPEAKERS
- 05:00 – 10:00 PM    CLOSING EVENT - BBQ & MUSIC
- Networking continues on the terrace