

Medical Systems Biology lectures

Multi-omics

technology, computation and biology

April

- 28th, 7.30 pm **ANSU SATPATHY** (STANFORD)
Single-cell genomics in cancer immunotherapy
- CALEB LAREAU** (STANFORD)
Advances enabling massively parallel single-cell multi-omics

May

- 5th, 2.30 pm **WOLF REIK & JOHN MARIONI** (BABRAHAM INSTITUTE & EMBL-EBI)
Single-cell multi-omics landscape of development and ageing
- 12th, 2.30 pm **ANTOINE-EMMANUEL SALIBA** (HIRI WÜRZBURG)
TBA
- 19th, 2.30 pm **DANA PE'ER** (MEMORIAL SLOAN KETTERING CANCER CENTER, NYC)
Plasticity in development and cancer
- 26th, 2.30 pm **BERTIE GÖTTGENS** (CIMR CAMBRIDGE)
Mapping development at single cell resolution

June

- 2nd, 2.30 pm **CÉLINE VALLOT** (INSTITUT CURIE)
Dynamics of epigenomes in breast cancer & resistance to therapies
- 9th, 2.30 pm **JASON BUENROSTRO** (HARVARD)
TBA
- 23rd, 2.30 pm **LARS VELTEN** (CRG BARCELONA)
The biology of hematopoietic and leukemic stem cells through the lens of single cell genomics
- 30th, 2.30 pm **XIN JIN** (HARVARD)
In-vivo Perturb-seq: study gene function at scale in developing tissues

July

- 7th, 2.30 pm **OLIVER STEGLE & BRITTA VELTEN** (DKFZ/EMBL)
From genotype to phenotype with single-cell resolution
- 14th, 7.30 pm **LOUIS CAMMARATA** (HARVARD), **ADIT RADHAKRISHNAN** (MIT) & **KARREN DAI YANG** (MIT)
Transport problems in biology: Theoretical and applied insights
- 21st, 2.30 pm **BERLIN BASED MULTI-OMICS PROJECTS (Speakers TBA)**

Organizers:

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Zoom link:

<https://bit.ly/3mOdoqS>



Memorial Sloan Kettering
Cancer Center



The Berlin Institute for Medical Systems Biology



MAX DELBRÜCK CENTER
FOR MOLECULAR MEDICINE
IN THE HELMHOLTZ ASSOCIATION