Spatial Biology Symposium

symposium

📅 **11 Oct 2024**
H 9:00 – 17:45

📍 Auditorium
Human Technopole,
Milan

09:00–10:00	**Registration & Welcome coffee**
10:00–10:15	**Opening - Clelia Peano**, *HT, IT*

Session I – Spatial technologies & applications – Chair **Andrea Sottoriva**, *HT, IT*

10:15-10:40	**Omer Bayraktar**, *Sanger Institute, UK* - Mapping the rules of neurological disorders using spatial genomics
10:40-11:05	**Sanja Vicković**, *New York Genome Center, US* - Developing spatial multi-omics technologies for tracking disease progression
11:05-11:30	**Ivano Legnini**, *HT, IT* - Spatial gene perturbations to study neural tube patterning in organoids
11:30-12:00	Discussion
12:00–13:30	**Lunch & Meet the Speakers**

Session II – Spatial transcriptomics – Chair **Dario Ricca**, *HT, IT*

13:30-13:55	**Francesca Faggioli**, *Institute of Genetic and Biomedical Research, National Research Council, IT* - Spatial resolution of cellular senescence dynamics in human colorectal liver metastasis
13:55-14:20	**Rosalin Cooper**, *University of Oxford, UK* - Spatial transcriptomic characterisation of the human bone marrow
14:20-14:45	**Massimiliano Pagani**, *IFOM, IT* - Decoding the Multidimensional Landscape of Tumor Ecosystem by Spatial Transcriptomics
14:45-15:15	Discussion
15:15-15:45	**Coffee & Meet the Speakers**

Session IIII – Artificial Intelligence & Digital Pathology – Chair **Craig Glastonbury**, *HT, IT*

15:45-16:10	**Faisal Mahmood**, *Harvard Medical School, US*
16:10-16:35	**Barbara Engelhardt**, *Gladstone Institute of Data Science and Biotechnology, Stanford, US* - Building 3D tissue atlases of single-cell data
16:35-17.00	**Jakob Kather**, *EKFZ, TU Dresden, DE* - Deep Learning based biomarkers in cancer histopathology
17:00-17:30	Discussion
17:30-17:45	**Closing remarks and departure**