FASSBERG SEMINAR SERIES

special date & time

Ana Pombo
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Mechanisms of RNA polymerase II transcription at Polycomb-repressed genes

The folding of chromosomes and the structural organization of the genome impacts on human health and disease. Long-range physical contacts between non-coding regulatory regions and their target genes regulate gene expression. In dividing cells, chromatin contacts are established when cells exit mitosis to dissolve upon re-entry into mitosis.
We currently investigate the cell type specificity of 3D genome topology in dividing ESCs and terminally differentiated neurons both in vitro and directly in the brain. To this end, we currently develop a novel technology, Genome Architecture Mapping (GAM), which ideally suited to map chromatin contacts genome-wide directly in tissue.

Host: Patrick Cramer

Thursday / 16.05.2019 / 13:00
Max Planck Institute for Biophysical Chemistry
Ludwig Prandtl Hall / Administration Building