Monday, 13 January 2020
1.00 pm

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Multi-scale changes in genome organization and transcription upon cellular ageing

Chromatin and its folding have gained significant attention over the last decade. Right now, it is widely accepted that the spatial organization of chromatin critically impacts nuclear processes, such as transcription, replication, or DNA repair, as well as the overall physiology of the cell. In this seminar, I will present data from replicative senescence and from a rare premature progeria-like syndrome that exemplify how changes in chromatin organization can act as key switches in cellular homeostasis on the path towards cellular and organismal ageing.

Host: Prof. Dr. Patrick Cramer
Place: Max Planck Institute for Biophysical Chemistry, Department of Molecular Biology
T4, 2nd floor, Seminar Room