# Physikalisches Kolloquium — Physics Colloquium

**Einladung** — **Invitation**

# Monday, 28 June 2021

**Format: Online via Zoom, at 16:15**

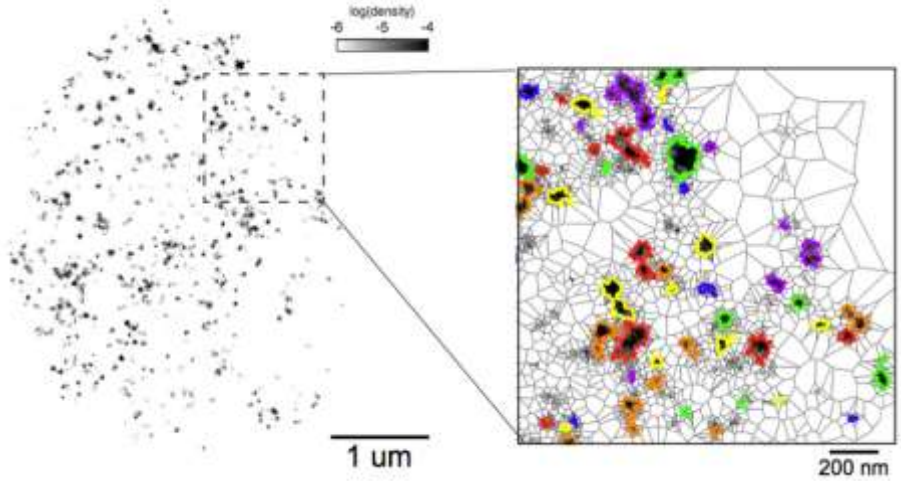
## Highly multiplexed imaging of chromatin in fly embryos

**Marcelo Nollmann**
CNRS Research Director

Centre de Biochimie Structurale, INSERM/CNRS

website: http://www.nollmannlab.org/

DNA is organized at multiple length scales, from nucleosomes to chromosome territories. However, it is at intermediate levels of organizations that tissue-specific transcriptional regulation takes place. We will investigate this regulation during the early stages of differentiation in Drosophila embryonic development. For this, we have developed new imaging methods that rely on the use of micro-fluidics to perform sequential and combinatorial acquisition of tens of different species in single cells. These techniques revealed the existence of activating or repressing enhancer hubs that provide a scaffolding for the regulation of transcription during early embryogenesis.




Host: Prof. Dr. Jens Michaelis, Institute of Biophysics

Organisation: Prof. Dr. Jens Michaelis, Institute of Biophysics, jens.michaelis@uni-ulm.de, +49-731-50-23050