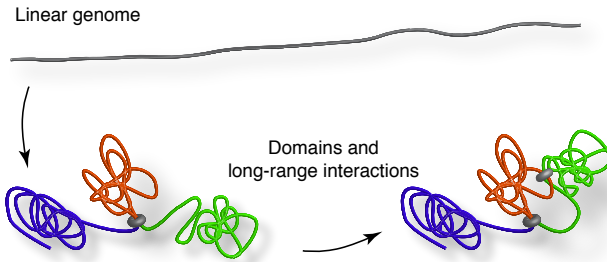
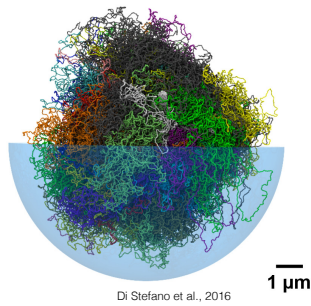


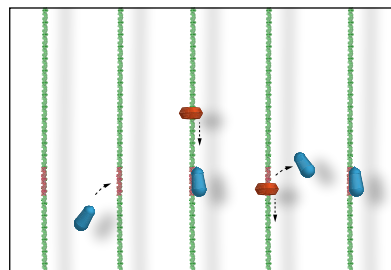
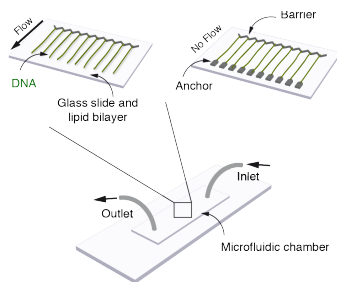
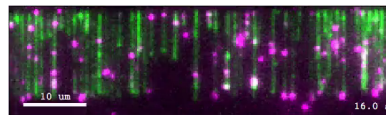
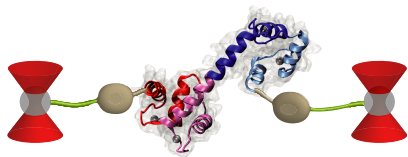
PhD position available

Chromosomes provide the scaffold for the maintenance, regulation and propagation of genetic information. Recent experimental findings have shown that eukaryotic chromosomes are folded in three-dimensional space and that the **three-dimensional folding of chromosomes** is directly linked to gene regulation.



The Stigler lab uses biochemical and biophysical **single molecule** techniques, such as **optical tweezers** and fluorescence microscopy by **DNA curtains** to determine the processes that lead to the three-dimensional folding of chromosomes.

We are looking for a motivated young scientist with a background in **biochemistry, biophysics** or **related fields** to help us address questions of how SMC complexes and loading/unloading mediators orchestrate the formation of topological compartments on chromatin.



You are expected to have a solid understanding of relevant techniques in molecular biology and experience with the purification of recombinant proteins. Prior experience with single molecule techniques or programming skills are a plus.

Please send your application (including CV, a letter of motivation, relevant certificates and contact information for two references) to stigler@genzentrum.lmu.de.

The University of Munich is an equal opportunity employer. Handicapped candidates with equal qualifications will be given preference.