



Münchner Physik- Kolloquium

sommer
2017

Modelling mechanical properties of DNA and RNA

Prof. Dr. Filip Lankas, *The Czech Academy of Sciences, Prague, Czech Republic*

Monday, 10 July 2017, 17:15 h

Hörsaal H 030, Fakultät für Physik der LMU, Schellingstraße 4, München

Structure and elasticity of nucleic acids play a role in many biological processes, including replication, gene regulation and chromatin organization in the cell. They are also important for designing artificial DNA and RNA nanostructures. The talk will focus on formulating suitable models of nucleic acids mechanics and inferring the model parameters from large-scale computer simulations of molecular dynamics. Connection to experiment and applications of the results will be discussed.

Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Filip Lankas before his Munich Physics Colloquium talk.

Be curious and feel free to ask any question.

Monday, 10 July 2017, 16:00 h

Room H 522 (5th floor), Fakultät für Physik der LMU, Schellingstraße 4, München

