

Einladung
zum
Physikalischen Kolloquium
Montag, 23.10.2017

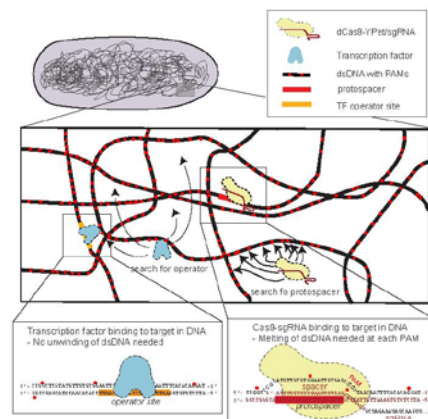
BITTE beachten/PLEASE note: 14:00 Uhr in N24/H13



Professor Dr. Johan Elf
Chair of Molecular Systems Biology
Uppsala University, Sweden

Kinetics of dCas9 target search in Escherichia coli

Cas9-based DNA targeting is radically different from that of transcription factors. Cas9 can be programmed by a guide RNA to target any sequence, at the price of the increased time required to open cellular dsDNA to test for complementarity. We have studied how much time it takes to locate a single target sequence in a living cell using single molecule fluorescence microscopy. We also measure how long time the bound dCas9 stays at a target sequence and what implications this has for repression of a targeted gene.



Ab 13.45 Uhr Kaffee, Tee und Kekse vor dem Hörsaal H13

Organisation: Prof. Dr. F. Jelezko, Tel. 23750

Host: Prof. Dr. C. Gebhardt, Tel. 23364, off.: 23051