Department of Biochemistry

RESEARCH SEMINAR

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“Probing and changing chemical reactivity with mechanical forces”

Coupling of mechanical forces and chemical transformations is central to, e.g., the biophysics of molecular machines, polymer chemistry, fracture mechanics, and tribology. In this talk I describe our efforts to answer two questions that are key to these disciplines: (1) how does the rate of a chemical transformation depend on the direction and the magnitude of the applied mechanical force and (2) what is the force transmitted to an individual molecule (or to a chemical bond) as a result of deforming a macroscopic sample?

Date & time: Tuesday, July 4, 2017 at 05:00 pm
Location: Lecture Hall Y44-H-11, UZH Irchel

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