

**Einladung
zum
Physikalischen Kolloquium
Montag, 23.11.2015
16:15 Uhr in N24/H13**

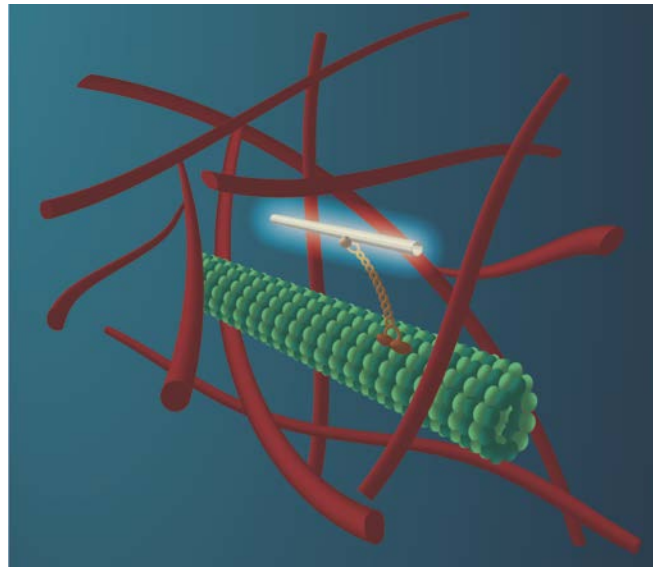


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- Biophysik

Active Matter in Cells

Biological materials in living cells and organisms are out of thermodynamic equilibrium. This can lead to interesting variations of mechanical properties and dynamics. I will present examples of active matter from biology. We use mostly video microscopy and microrheology to experimentally characterize active matter on the cellular scale. Our approaches to evaluate the data and identify and quantitate thermodynamic non-equilibrium use fundamental concepts of statistical physics including the fluctuation-dissipation theorem and the principle of detailed balance.



Ab 16.00 Kaffee, Tee und Kekse vor dem Hörsaal H13

Org.: Prof. Dr. F. Jelezko, Tel. 23750;

Host: Prof. Gebhardt Tel. 23050, off.: 23051