Einladung
zum
Physikalischen Kolloquium
Montag, 09.02.2015
16:15 Uhr in N24/H13

Dr. Edward Felder
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Keratinfilaments - the mechanical stronghold of a cell

Keratin filaments play a major role in protecting cells from tensile strain. Despite the pathophysiological relevance of this function surprisingly little is known about keratin's mechanical properties in living cells. Moreover, mechanisms that modify these properties are almost uncharted scientific territory.
In our lab we stretch living cells. We then investigate how the keratin network is altered and if cells are able to adapt to the mechanical stress by modifying keratin monomers and hence the characteristics of the entire keratin network.

Ab 15.45 Kaffee, Tee und Kekse vor dem Hörsaal H13
Organisation: Prof. Jelezko, Tel. 23750
Host: Prof. K. Gottschalk, Tel. 23012, off.: 23010