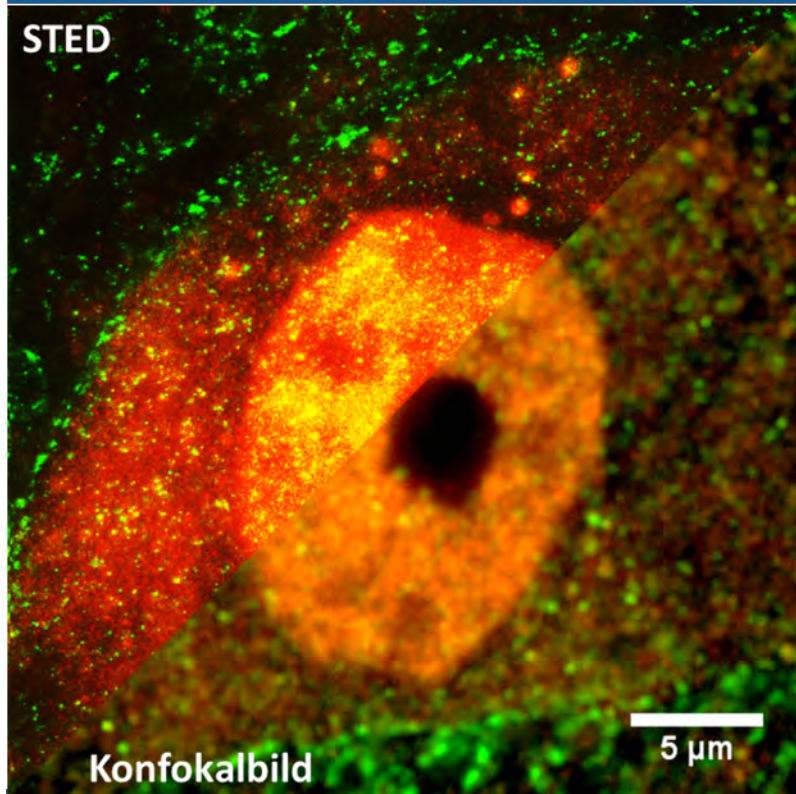


# How Physics brings light into biology and medicine

-

## New physical methods and their applications to biology

STED

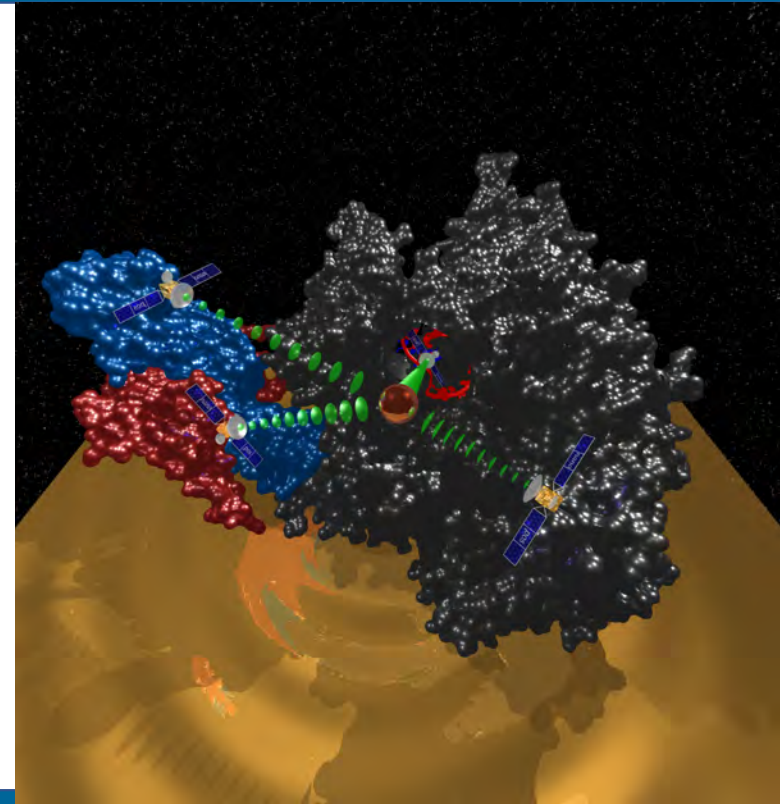


ulm university universität  
**uulm**

**Jens Michaelis**

Institute of Biophysics

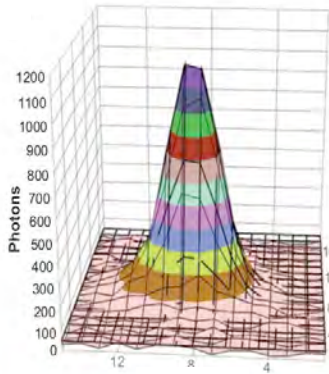
[www.uni-ulm.de/biophys](http://www.uni-ulm.de/biophys)



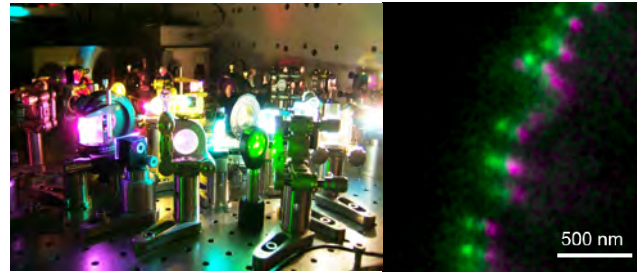
Hauptseminar, WS 2018-2019

# Topics - Biophysics at the nanometer scale

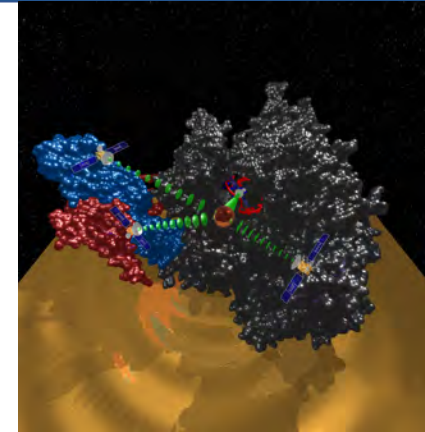
## I. Tracking



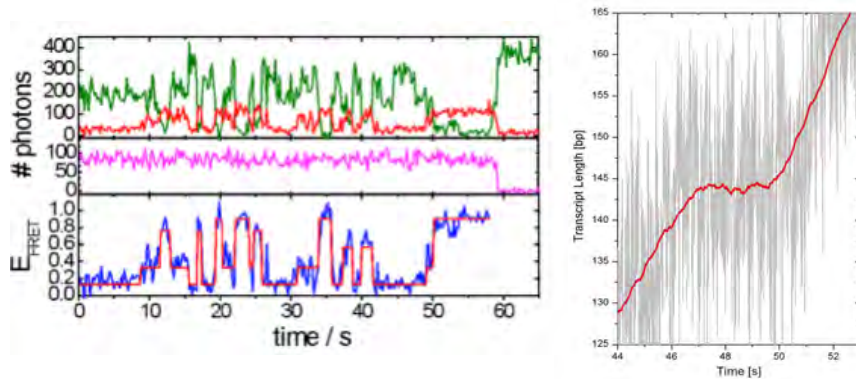
## II. Super-resolution



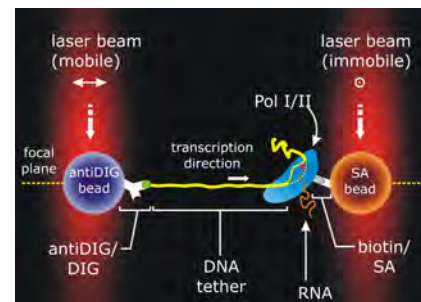
## III. NPS



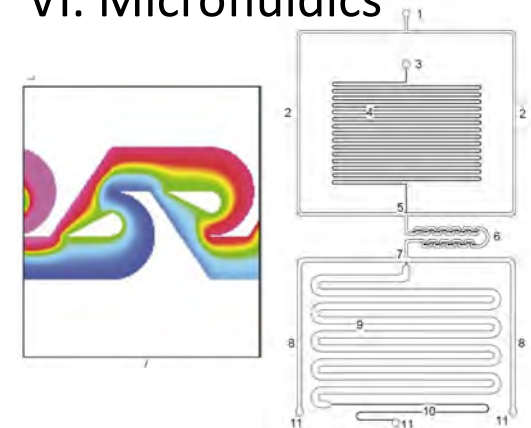
## IV. Kinetics of molecular machines



## V. Forces at the Nanoscale

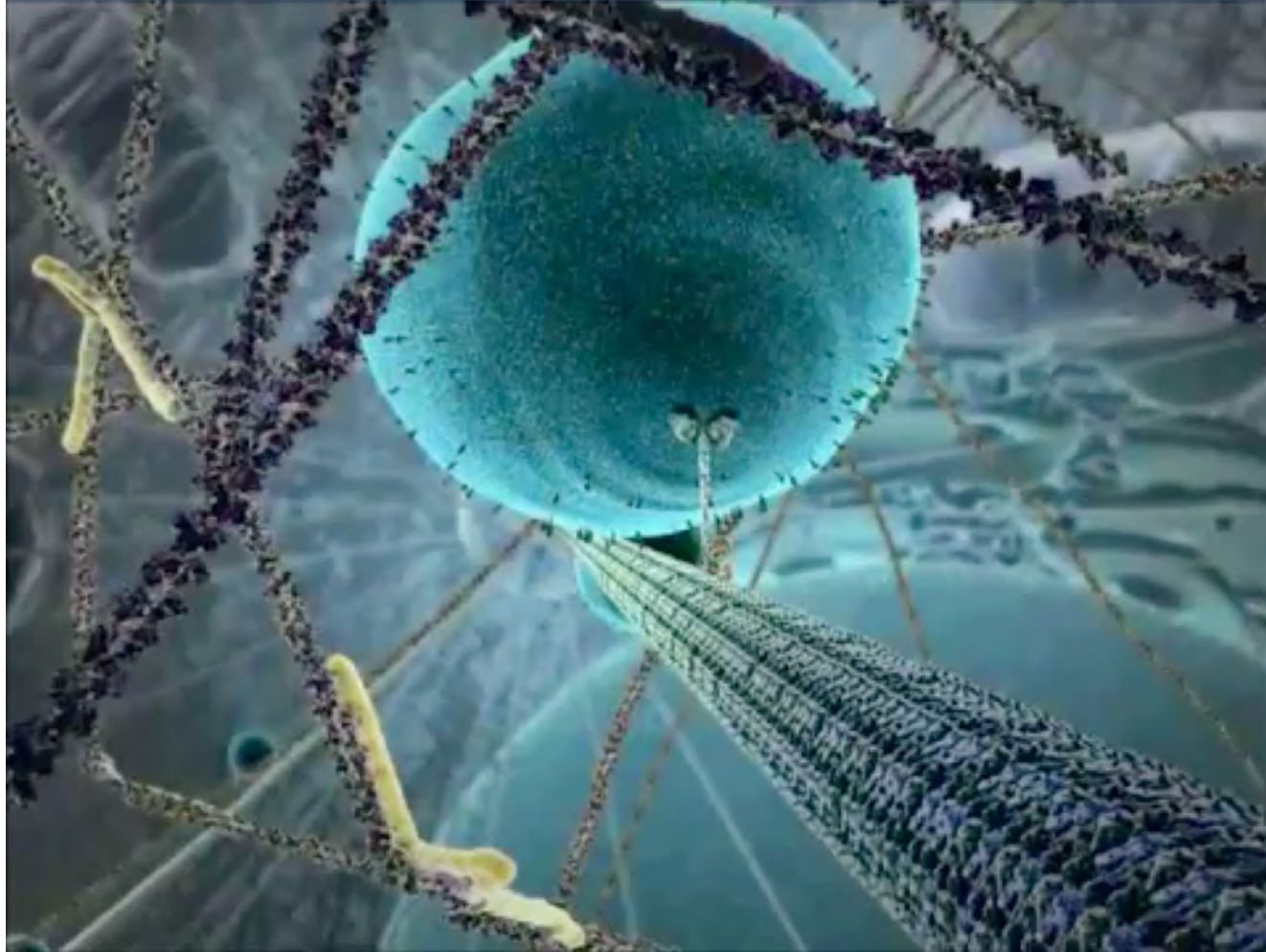


## VI. Microfluidics





# First Meeting



Monday, October 15th  
12.15pm  
Seminarroom Biophysics  
N25-3402

Jens Michaelis, Institute of Biophysics