

Oberseminar Numerik am 09.06.11  
Dr. Nikolaos Sfankianakis

"A mathematical approach to lamellipodial dynamics and cell motility"

Abstract: "In this talk we address the main parts of a mathematical model describing cell motility. We start with the biological insight and describe the basic relevant constituents. We continue with the mathematical derivation of the model and some relative analytical results. We close with the presentation of the FEM and the respective numerical simulations."