



Research Training Group 1962

Dynamic Interactions at Biological Membranes from Single Molecules to Tissue

Speaker: Prof. Dr. Rainer Böckmann, Computational Biology

Invitation to

RTG 1962 – Guest Talk

Wednesday, 20th of September 2017 at 17.00 p.m. (s.t.)

Prof. Dr. Alemayehu (Alex) Gorfe

(McGovern Medical School, University of Texas Health Sciences Center at Houston)

“Dynamics, membrane binding and oligomerization of Ras proteins”

Despite decades of studies and the well-known role of Ras proteins in health and disease, much remains to be learned about how they work at the molecular level. However, considerable progress has been made over the last several years. Molecular simulations have made significant contributions to this progress. My laboratory studies Ras proteins using multi-scale molecular simulations in solution and membrane environments, combined with basic biophysical and cell biological experiments. In this presentation, I will focus on the clinically most relevant Ras isoform, K-Ras, and discuss recent results on its membrane binding and oligomerization as well as druggability.

Guests are welcome!

gez. Prof. Dr. R. Böckmann

→ *Venue: Department Biology, Seminar Room Cell Biology (00.581),
Building B1, Floor 00, Staudtstraße 5, 91058 Erlangen*