



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

Tuesday, 2nd of October 2018 at 05.00 p.m. (s.t.)

Prof. Dr. Anja Geitmann
(McGill University, Canada)

“Mastering the maze – how plant sperm reach their mating partners”

Male gametes in plants are delivered from one flower to another packaged within the male gametophyte, the pollen. Once the pollen lands on a receptive stigma, the sperm cells must be delivered directly to the female gametophyte which is often centimeters away. The reason is that contrary to their animal counterparts, plant sperm cells are immotile. To accomplish this delivery, the pollen grain forms a rapidly growing protuberance that invades the flower tissues to eventually reach its target nestled deeply in the ovary. Mastering the maze of flower tissues requires the pollen tube to possess the ability to perceive and respond to directional signals and to overcome mechanical obstacles – intriguing traits that will be discussed.

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