



# 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, 23<sup>rd</sup> of May 2017 at 17.00 p.m. (s.t.)**

**Dr. David Dulin**

*(OICE Optical Imaging Center Erlangen)*

**“Single-molecule studies of nucleic acids processing enzymes”**

*During the presentation, I will introduce the concepts of the central dogma in molecular biology, i.e. the expression of the genes into proteins, together with the key enzymes involved in that process. I will then introduce the single-molecule techniques used to study these enzymes, with a particular focus on magnetic tweezers and single-molecule FRET, illustrated by two case studies on viral RNA replication and bacterial transcription initiation. I will finally present quickly the projects being investigated here at Erlangen.*

**Guests are welcome!**

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

*signed Prof. Dr. R. Böckmann*