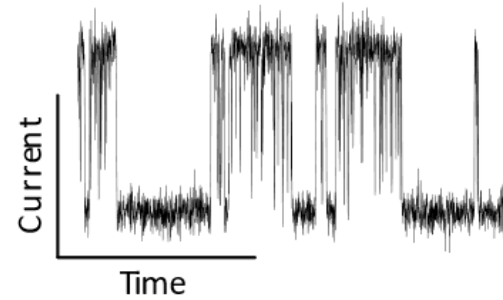
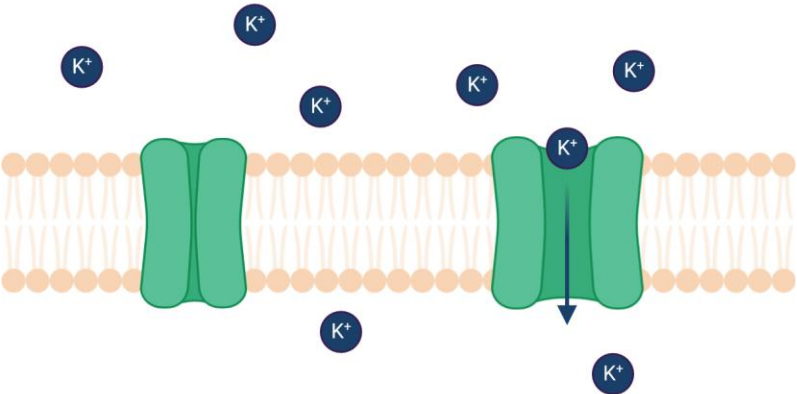



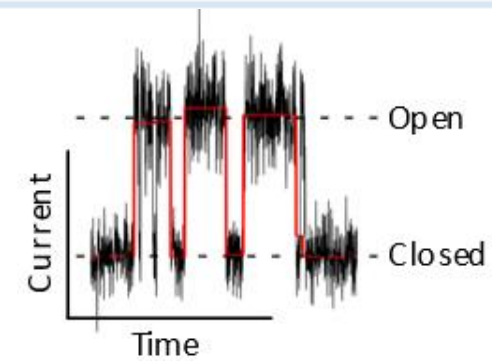
# Investigation of Channel Clustering and Cooperativity for the Ion Channel Protein KcsA



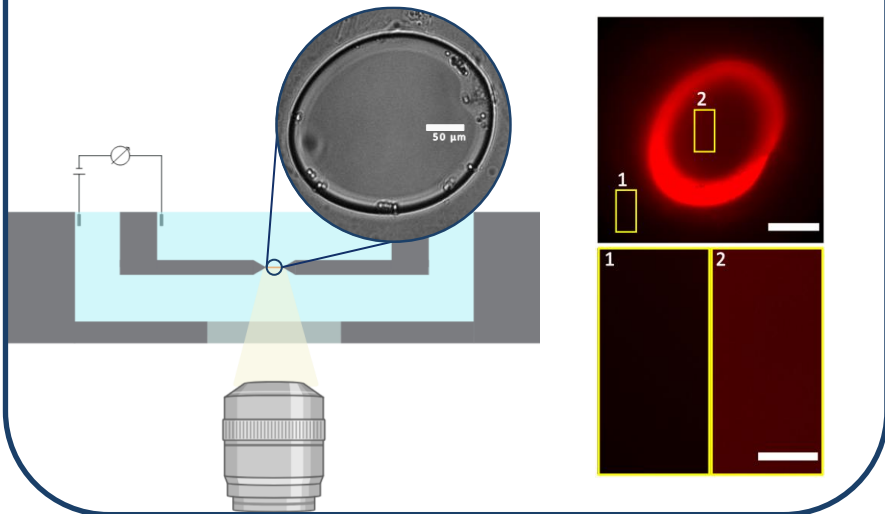
Amelie Meyer



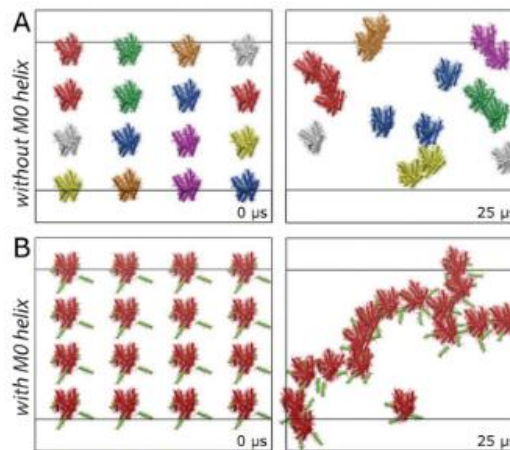
Idealisation  
  
 Detection of channel activity via current traces



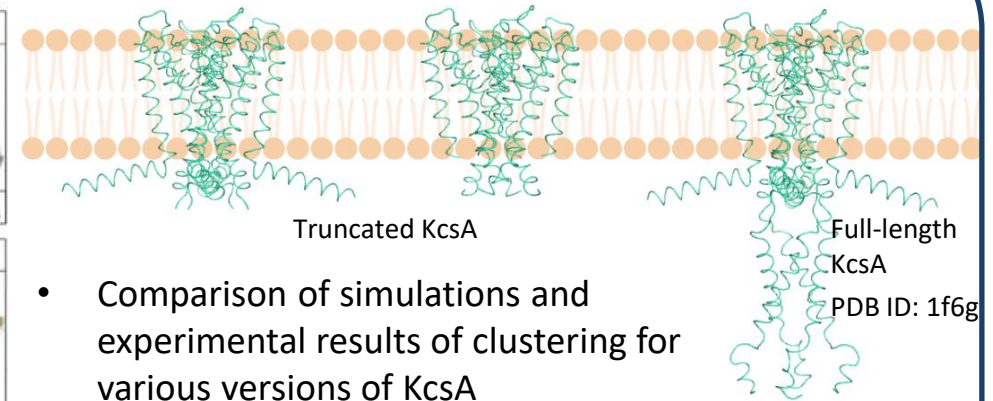
Channel Cooperativity: Combination of Electrophysiology and Super-Resolution Microscopy



Influence of Cytoplasmic Domains on Channel Clustering



Visscher *et al*, 2017



- Comparison of simulations and experimental results of clustering for various versions of KcsA
- Cooperation with Computational Biomolecular Dynamics Group Bert de Groot

Methods: Protein biochemistry, electrophysiology, fluorescence microscopy