

Impact of adhesion on the assembly and mechanics of a minimal actin cortex attached to the membrane *via* ezrin

Main objective: How does adhesion modify the structure and mechanical properties of actomyosin networks attached at the inside of a GUV membrane and *vice versa*?



□ formation of a minimal actin cortex (MAC) attached to the inner leaflet of the GUV membrane via ezrin / PIP₂





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I late stage research: analysis of GUVs movement (with and without MAC)

Methods: protein biochemistry (expression, isolation, purification and labeling), microfluidics, optical microscopy (CLSM...), data analysis, etc.