

Supplemental material
Counterion-induced formation of regular actin bundle networks

Florian Huber, Dan Strehle, Josef Käs.

Institute for Experimental Physics I, University of Leipzig, Leipzig, Germany.

Supplemental movie

The movie shows an example of aster-like cluster formation of rhodamine-labeled actin within an oil-sealed droplet. Slow evaporation leads to a magnesium concentration increase which later on exceeds the critical threshold for actin cross-linking as described in the main text. Experimental conditions: No added K^+ at Actin[μM]:Mg²⁺[mM]= 0.5. The actin concentration at the bundling transition is $\sim 10 \mu M$. Images were taken using confocal microscopy. The entire movie corresponds to about 14 minutes.