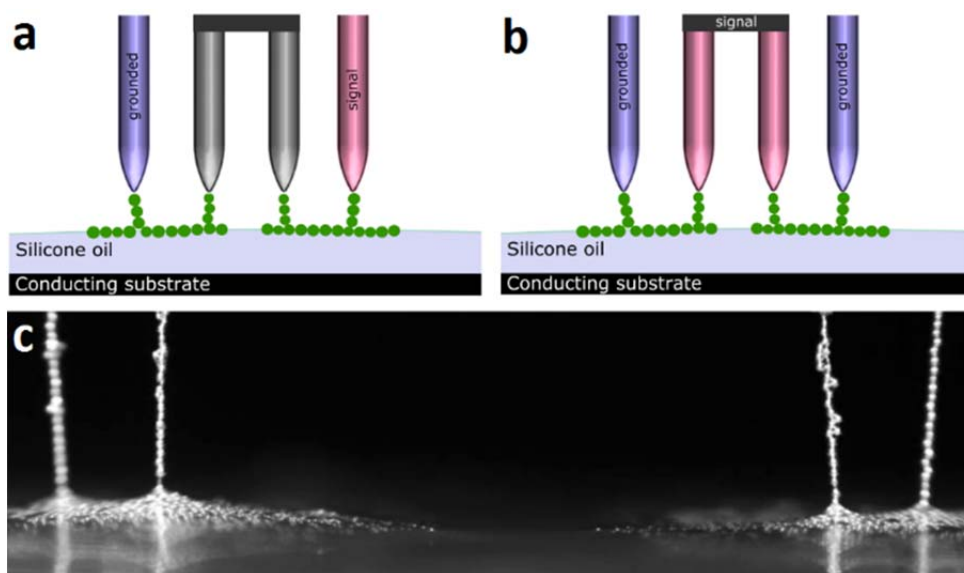


Supplementary Figure 1. Chain flexibility. Sphere–sphere capillary liquid bridges lend flexibility to the pearl necklace chains. Here, the chain bends towards the grounded electrode placed at the bottom-left corner of the image.



Supplementary Figure 2. Multiple chain formation. Schematic set-up for multiple chain formation in series (a) or in parallel (b). (c) Experimental realization of simultaneous formation of four chains using a parallel configuration.