Supporting Information - Control of Nanomaterial Self-Assembly in Ultrasonically Levitated Droplets

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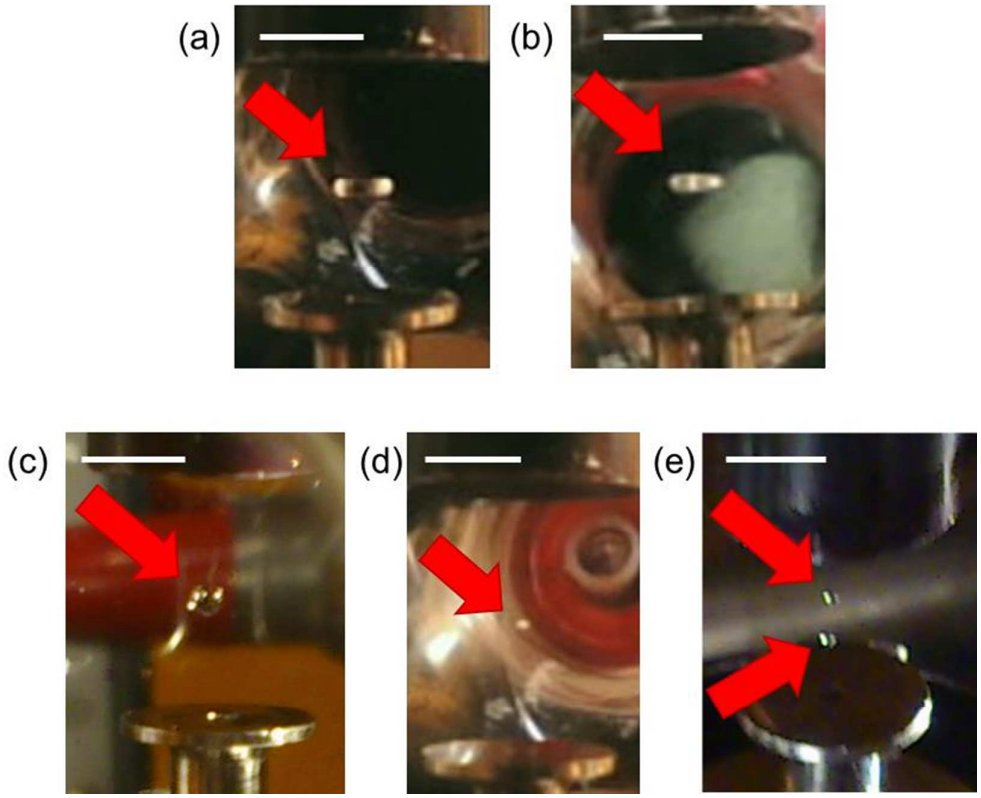

Figure S1: Representative images of levitated droplets: ellipsoidal (most common) (a),(b); spherical (c); small non-transparent (d); two droplets trapped in different nodes (e). Arrows indicate droplet locations and white scale bars correspond to 5 mm.

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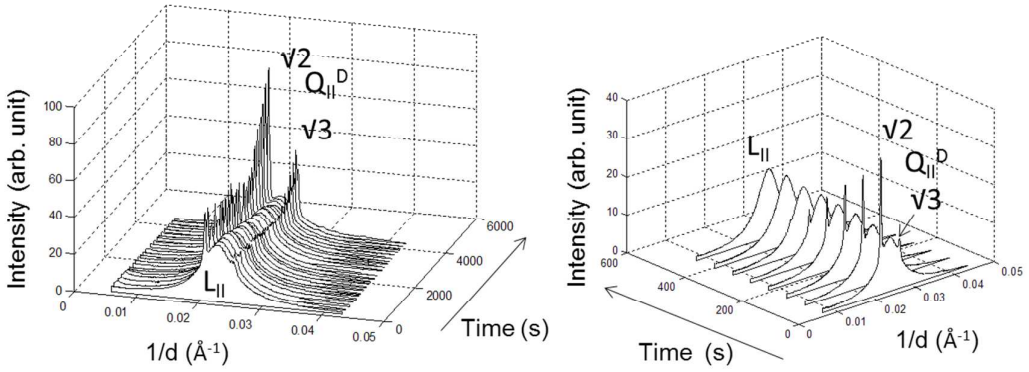

Figure S2: Phase changes between L_{II} and Q_{II}^{D} phases of phyantriol / 10% glycerol on increasing (left) and decreasing (right) relative humidity.

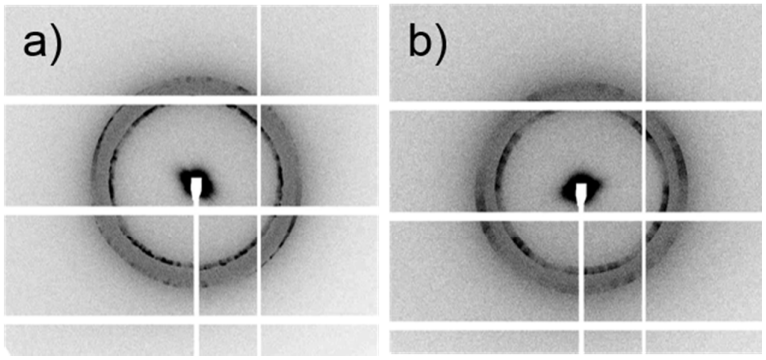

Figure S3: 2D SAXS patterns from the edges of an acoustically levitated droplet formed from Phytantriol in 20% glycerol at a relative humidity of 75%; a) left; b) right.