

Figure S1 Self-assembly below the critical flux boundary. (a) An optical image of the corner of a drying drop on a Si_3N_4 substrate. A golden, fulgent “coffee-stain” deposit is visible at the edge of the substrate with a red-coloured band of concentrated solution along the perimeter. Aggregates are visible in the interior. Scale bar is $50\ \mu\text{m}$. (b-d) TEM images show some examples of the different structures formed in this regime, strongly resembling those previously observed.^{3-6,9} Scale bars are (b) $200\ \text{nm}$, (c) $100\ \text{nm}$ and (d) $100\ \text{nm}$.

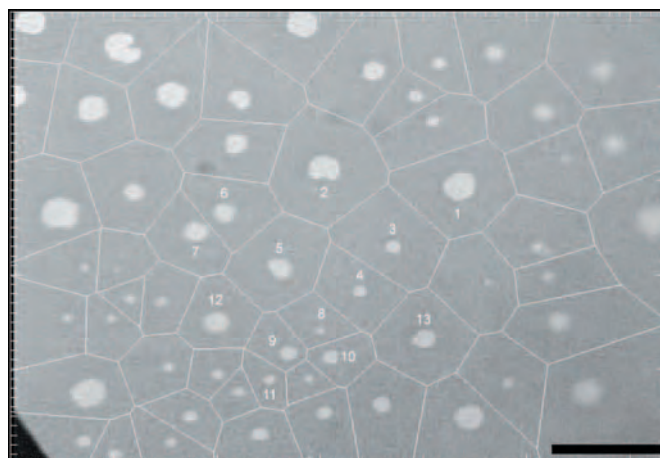


Figure S2 Voronoi construction. The maximal particle collection area for each island was identified by constructing Voronoi cells around the centers of mass of all islands in the frame. The numbered cells are from the data set in figure 3(c). Islands near the perimeter were omitted. Scale bar is $50\ \mu\text{m}$.