

SI Table S1. Bleb simulation parameters and sources

Cell radius	7 μm	2% agar data
*No. Nodes	160	
Membrane planar tension	0.8 pN/ μm	Simson et al (1998)
*Membrane stiffness coefficient, α	17 pN/ μm	
Membrane bending coefficient, β	0.14 pN/ μm	Lieber et al (2013)
Membrane resting length, x_0	0.31 μm , 95% of distance between nodes at equilibrium	Morris & Homann (2001)
Static pressure, p	81.0 pa	Dai & Sheetz (1999), Charras (2008)
*Linker stiffness coefficient, k	10 pN/ μm	
Linker resting length, L_0	40 nm	Kanchanawong et al (2010)
*Linker breaking length	56 nm	
*Linker minimum length	30 nm	

*Free parameter