Video S1. Real-time phase-contrast video of dispersed cells from a FRO cell spheroid on day 1. Scale bar, $200 \,\mu\text{m}$. Video S2. Real-time phase-contrast video of dispersed cells from a FRO cell spheroid on day 2. Scale bar, $200 \,\mu\text{m}$. Video S3. Real-time phase-contrast video of dispersed cells from a FRO cell monolayer on day 1. Scale bar, $200 \,\mu\text{m}$.

Video S4. Real-time phase-contrast video of dispersed cells from a FRO monolayer on day 2. Scale bar, 200 μ m.