

Supplementary Material Online

Supplementary Movie 1

Time-lapse of GFP-actin dynamics in live B16 cells on circular islands (2-hr time-point) imaged with digital fluorescence microscopy. Note asymmetric actin-rich accumulation at this time point. Time, min: sec.

Supplementary Movie 2

Time-lapse of membrane ruffling dynamics in live B16 cells on circular islands (2-hr time-point) imaged with phase contrast microscopy. Note polarized formation and centripetal flow of membrane ruffles at this time point. Time, min: sec.

Supplementary Movie 3

Another example of membrane ruffling dynamics in live B16 cells on circular islands (4-hr time-point). Note that initial membrane ruffles formation is asymmetric which gradually expands across the whole cell perimeter during this time window. Time, min: sec.