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A three-dimensional co-culture system to investigate macrophage-dependent tumor cell invasion

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Supplementary Information

Figure S1.

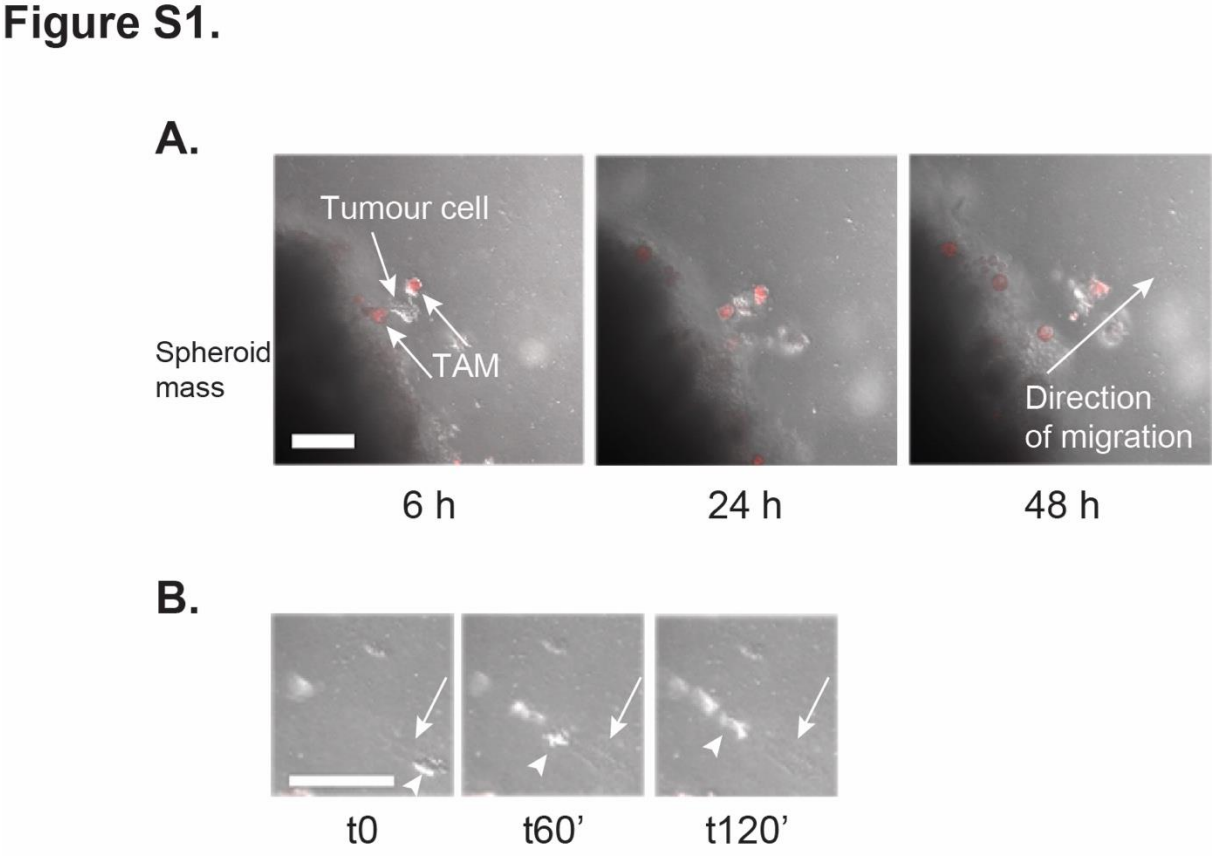

Figure S1. BMM-infiltrated Py8119 mammospheres were embedded in Matrigel for 3 days then subjected to live imaging by confocal microscopy for another 3 days (Nikon A1Si Confocal Microscope, Apo Plan 10x objective, NA 0.45, 6.85µm z-steps every 30 min). **A.** Representative images showing a BMM (red)-tumor cell (gray) stream co-migrating away from the spheroid. **B.** BMM (arrowhead) moving through Matrigel in a tunnel (arrow). A second macrophage can be seen moving through the same tunnel in frames 2 and 3. Scale bars = 100 µm.

Figure S2.

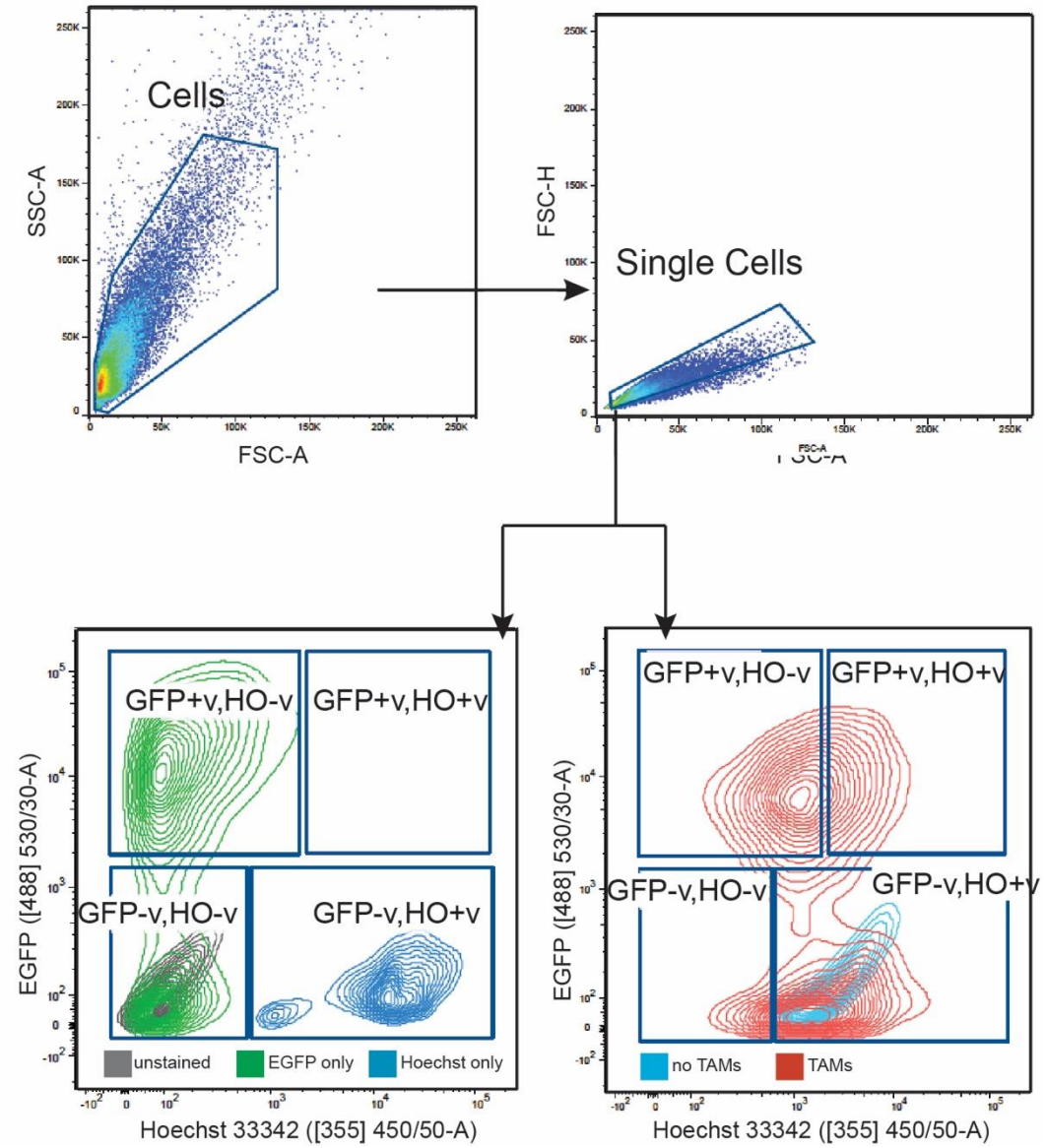

Figure S2. Cells were gated in FSC-Area versus SSC-Area, after which FSA-Area versus FSC-Height was used to identify single cells. Single cells were plotted as EGFP vs. Hoechst to identify populations based on control samples. Representative controls were overlayed on 5% probability contour plots. The contour plot shows that detection of tumour cells in the Matrigel by flow cytometry is dependent upon the presence of BMM.

Supplementary information of this article can be found online at http://www.jbmethods.org/jbm/rt/suppFiles/132.