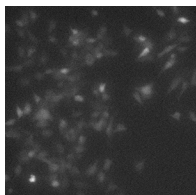
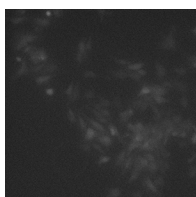


SUPPLEMENTAL MATERIAL

Diaz et al., <http://www.jem.org/cgi/content/full/jem.20142235/DC1>



Video 1. Calcium imaging of live AGM cell cultures under static culture conditions. Video file shows fluctuations in calcium concentration within individual cells derived from E11.5 AGM (C57BL/6J) cultured under static conditions. Fluo-4AM fluorescence serves as an indicator of intracellular calcium concentration. Video speed is 10 frames per second (three times faster than real time) and is compiled from the first 37 images collected.



Video 2. Calcium imaging of live AGM cell cultures with application of WSS. Video file depicts sparks of intracellular calcium in individual cells after initiation of WSS (10th frame of the video). Processing of cells and images was conducted in parallel with Video 1 for static culture.

Dataset S1, included as a separate Excel file, shows differential gene expression analysis at 6 and 36 h of static culture or WSS.

Dataset S2, included as a separate Excel file, shows gene set clusters in enrichment analysis of static and WSS AGM cultures.

Dataset S3, included as a separate Excel file, shows gene set clusters in enrichment analysis of WSS-exposed AGM cultures treated with vehicle or indomethacin.