



Supplementary Movie 4. Intrinsic fluorescence of D3 EBs in MPFC. **Left:** Bright-field images of D3 embryoid bodies captured on the MPFC. **Right:** Intrinsic intensity images captured with the Ti:Sapphire laser tuned to 780 nm. Total volumetric flow rate for acquisition was $600 \mu\text{L}/\text{min}$ ($\alpha = 2$), while images were taken with a $10\times$ lens with a zoom of 1.5 and a scan speed of 2.33 frames/second. The movie was made to play back at 5 frames/second. The color bar represents quantified intensity levels from 0 (black) to 255 (white). Scale bar = $200 \mu\text{m}$.