

Figure S1 (A): Maximum intensity projections (MIPs) of all biofilm replicates of experiment E1 ($c_{\text{Fe}^{2+}} = 2.5 \text{ mg/L}$; $u = 0.75 \text{ cm/s}$) over the course of the experiment (10 days). The scale bar equals 1 mm. Flow was from top to down.

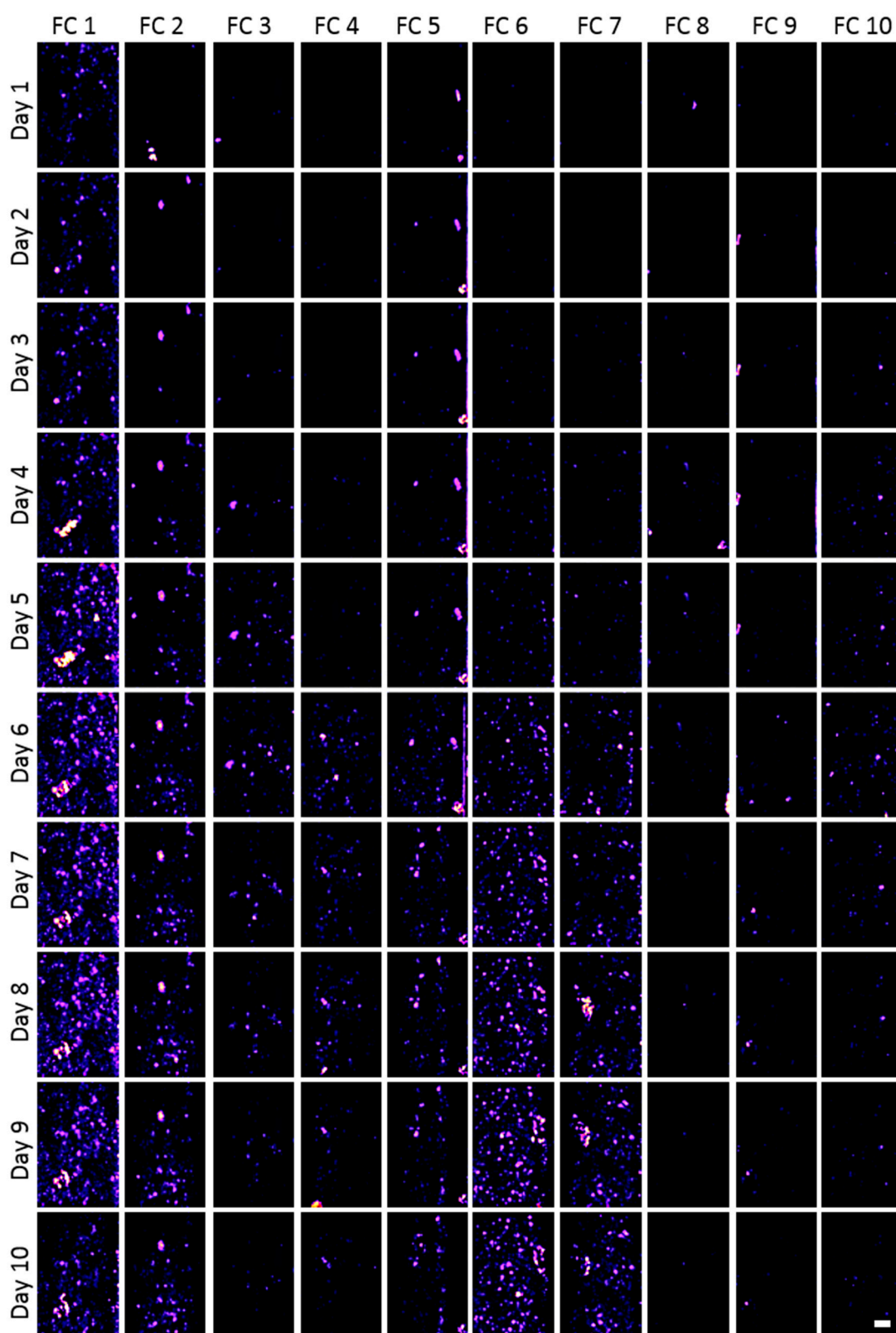


Figure S1 (B): Maximum intensity projections (MIPs) of all biofilm replicates of experiment E2 ($c_{\text{Fe}^{2+}} = 0.25 \text{ mg/L}$; $u = 0.75 \text{ cm/s}$) over the course of the experiment (10 days). The scale bar equals 1 mm. Flow was from top to down.

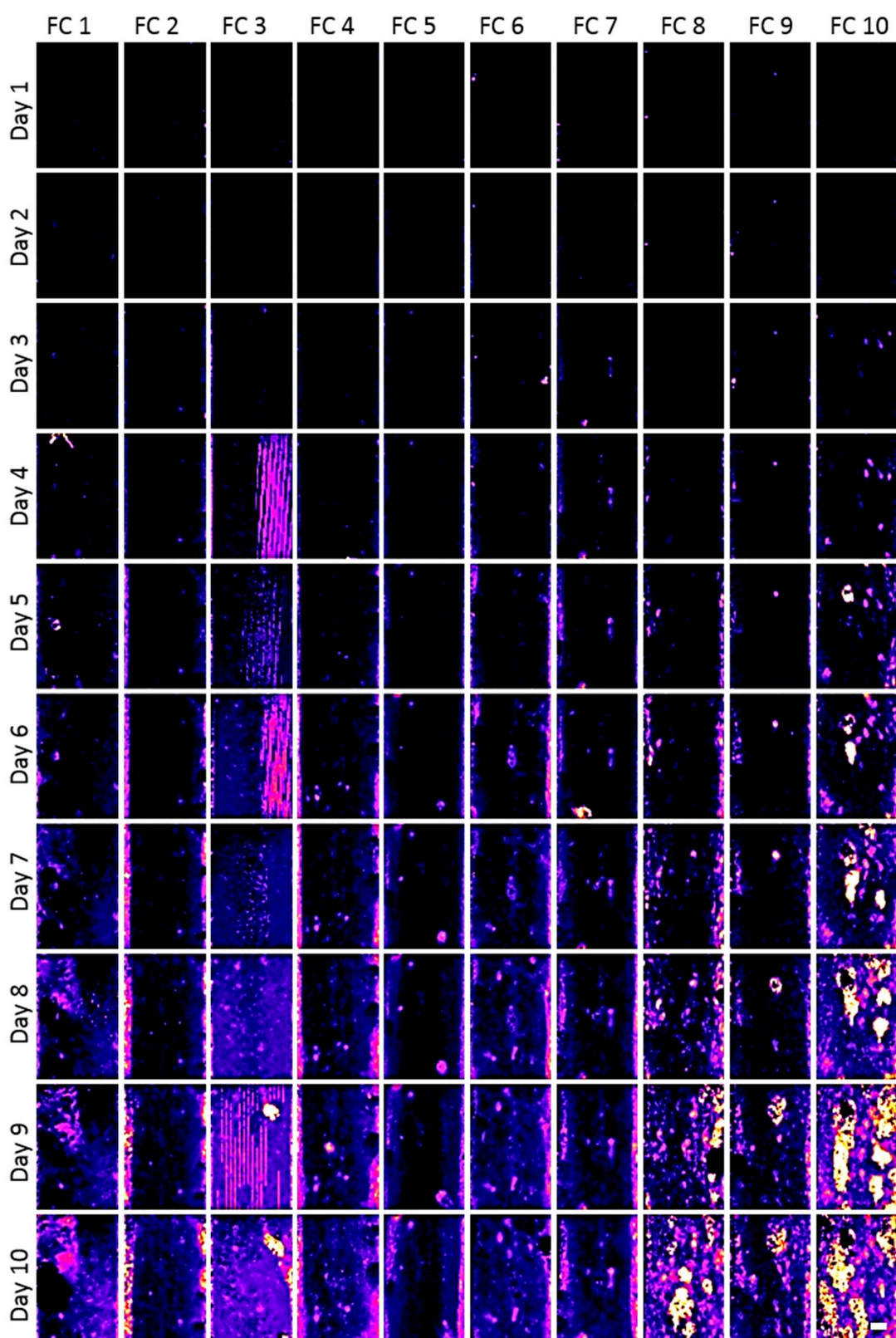


Figure S1 (C): Maximum intensity projections (MIPs) of all biofilm replicates of experiment E3 ($c_{\text{Fe}^{2+}} = 2.5 \text{ mg/L}$; $u = 3.75 \text{ cm/s}$) over the course of the experiment (10 days). The scale bar equals 1 mm. Flow was from top to down.

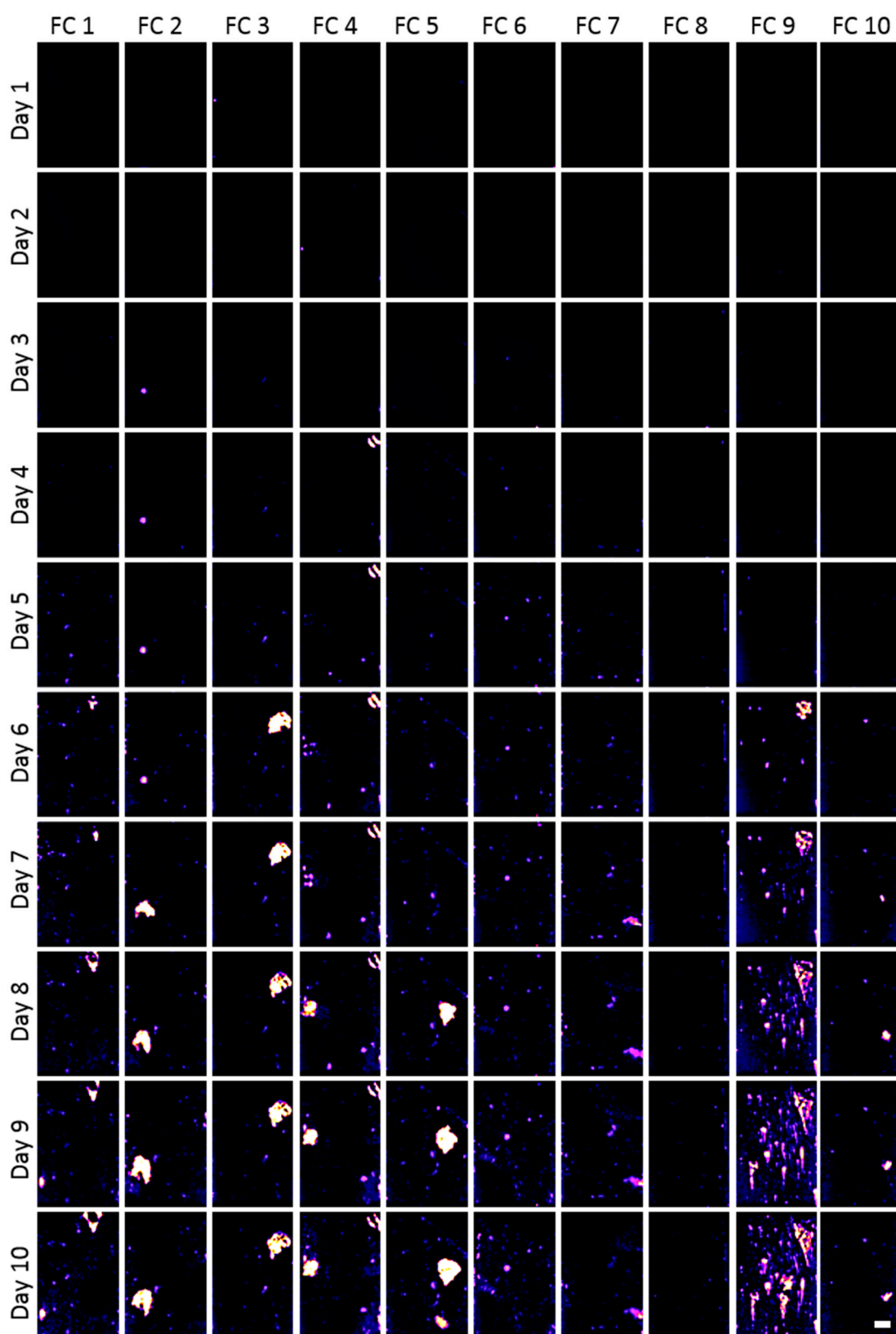


Figure S1 (D): Maximum intensity projections (MIPs) of all biofilm replicates of experiment E4 ($c_{\text{Fe}^{2+}} = 0.25 \text{ mg/L}$; $u = 3.75 \text{ cm/s}$) over the course of the experiment (10 days). The scale bar equals 1 mm. Flow was from top to down.