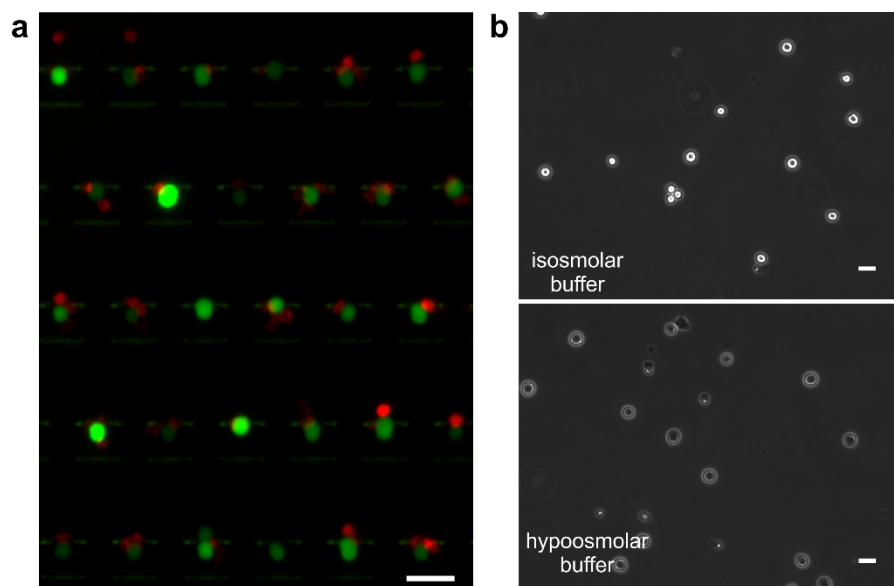


Supplementary Material

Deformability-based microfluidic cell pairing and fusion

Burak Dura, Yaoping Liu, Joel Voldman



Supplementary Figure 1: (a) Pairing of eGFP-expressing NIH3T3 fibroblasts with Turbo RFP-expressing BA/F3 leukocytes using original deformability-based loading protocol without hypoosmolar buffer treatment. Cell capture efficiency was low ($< 10\%$) and mostly more than one BA/F3 cells paired with fibroblasts resulting in multi-cell pairings. (b) Cell size change in BA/F3 mouse leukocytes when exposed to hypoosmolar buffer (Change in diameter $\sim 1.3 - 1.6\times$).