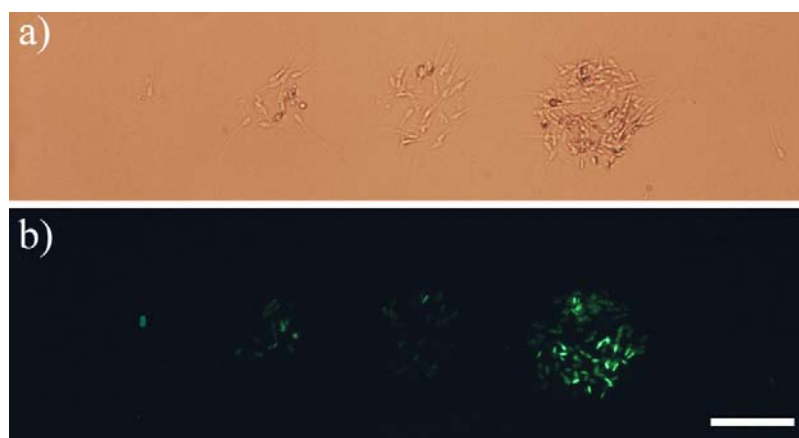


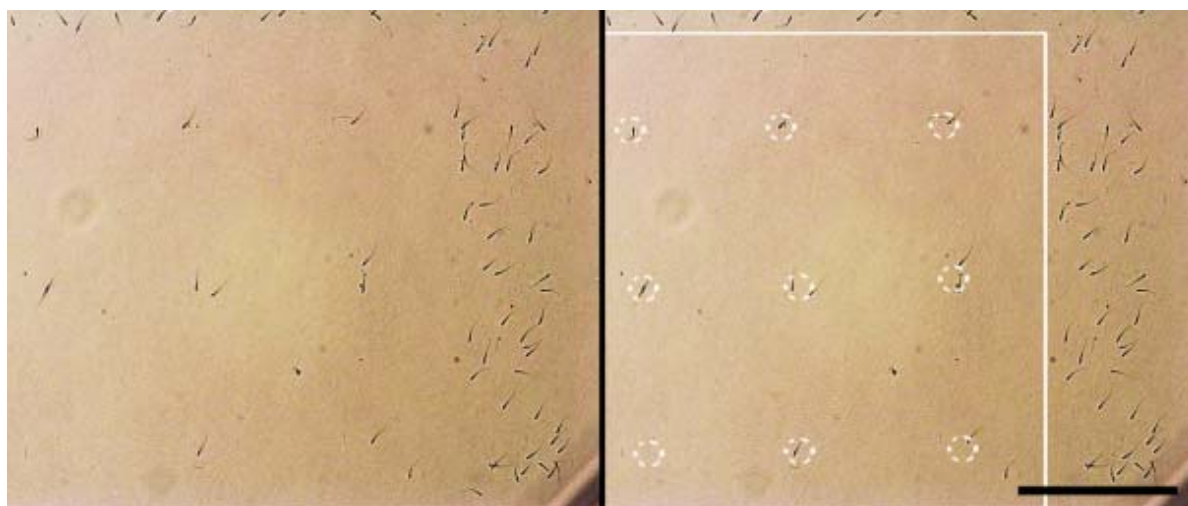
Supplementary information

Make it Spin: Individual Trapping of Sperm for Analysis and Recovery Using Micro-Contact Printing

Figures



Supplementary Fig. 1 Patterning sperm with μ CP on smaller fibronectin spots. a) Sperm trapping on (from left to right) 10, 25, 40 and 50 μ m fibronectin spots. b) Viability staining with LIVE/DEAD Sperm Viability Kit shows 100% sperm cell viability (green). Single sperm capture on a 10 μ m fibronectin spot is shown. Scale bar 50 μ m.



Supplementary Fig. 2 Arraying single sperm. Single sperm trapping on 3 x 3 10 μ m fibronectin spot arrays (indicated by the dashed circles on the right), showing 8 out of 9 spots contained sperm, with 2 spots in the middle row showing double trapping. Scale bar 100 μ m.

Movies

In total five movies are submitted as supplementary information. The descriptions of these movies are given below.

Movie S1 Overview of 50 μm spot arrays with sperm patterned. Video has been modified to aid visualization.

Movie S2 Zoom of a 50 μm fibronectin spot with sperm patterned.

Movie S3 Array of single sperm. Note the landing on a spot of a sperm at 26 s.

Movie S4 Additional array of single sperm.

Movie S5 a) Array of single sperm and b) resulting software detection.