

Supporting Information

Challenges of the Movement of Catalytic Micromotors in Blood

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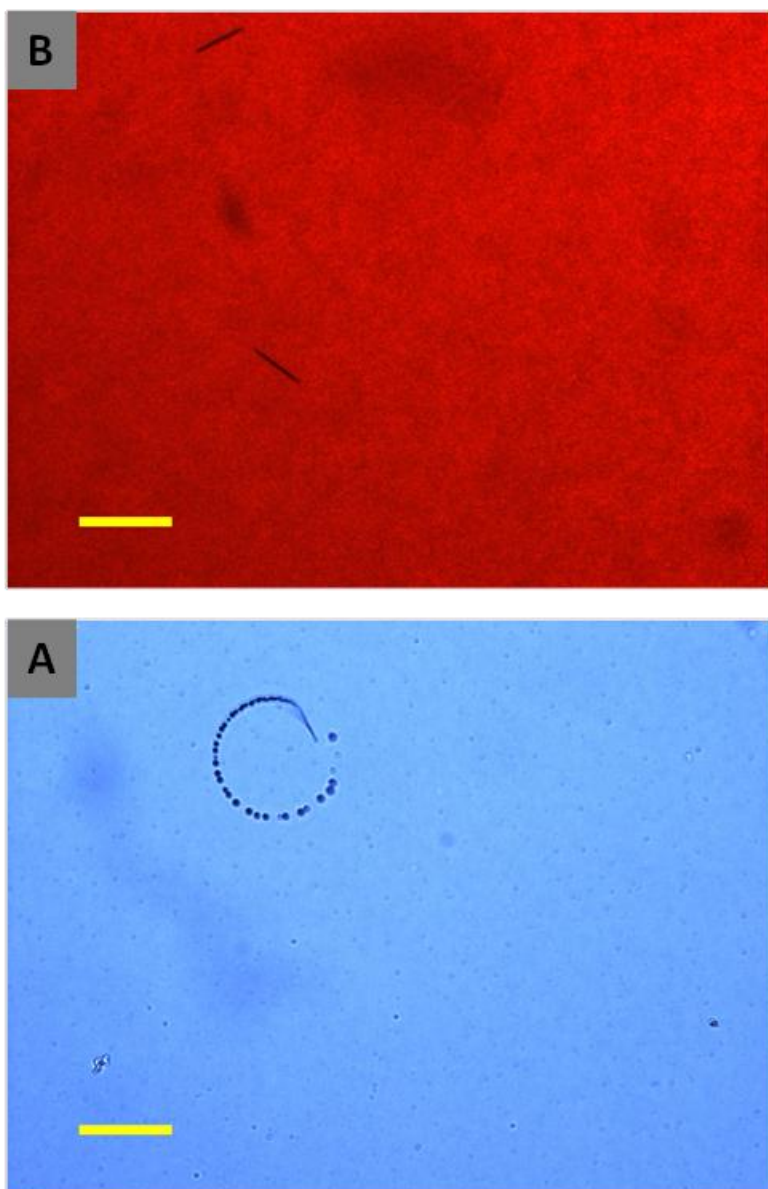


Figure S1. Schematics of the concept demonstrated in the paper. Motion of the microjets in (A) phosphate buffer saline solution (pH 7.2) and (B) red blood cell ($\sim 5 \times 10^6$ cell/ μL) and serum mixture of concentration corresponding to that of the blood. Both solutions contained 3% (wt) H_2O_2 as fuel and 1% SDS. The microjets were prepared by rolled-up technology. Scale bar indicates 100 μm .



Figure S2. Motion of the rolled-up microjets in red blood cell ($\sim 5 \times 10^6$ cell/ μL) and serum mixture of concentration corresponding to the concentration in the blood. (A) 3% (B) 6% and (C) 9% (wt) H_2O_2 as fuel and 1% SDS. Scale bars indicate 100 μm .

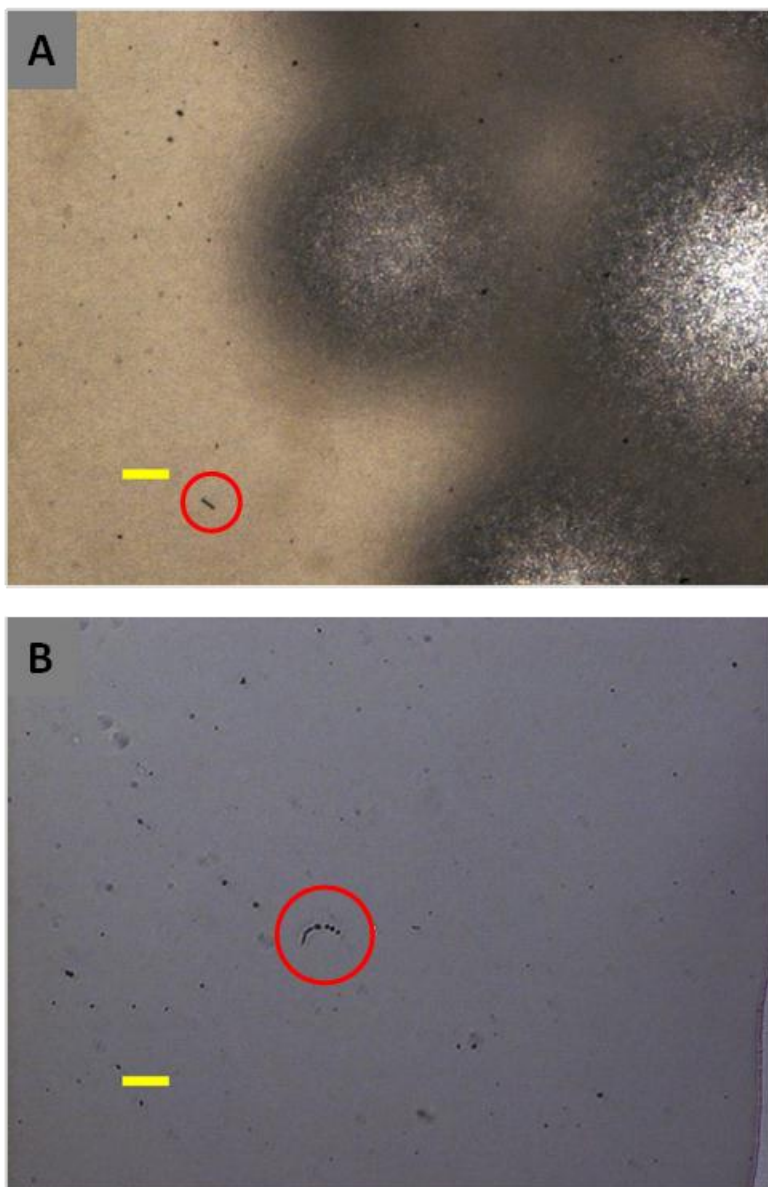


Figure S3. Motion of the templated- electrochemical deposition technology prepared microjet motor in (A) red blood cell ($\sim 5 \times 10^6$ cell/ μL) and serum mixture of concentration corresponding to the concentration in the blood and (B) phosphate buffer saline solution (pH 7.2). Both solutions contained 3% (wt) H_2O_2 as fuel and 1% SDS. Scale bars indicate 50 μm .