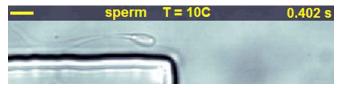
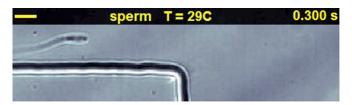
Supporting Information

Kantsler et al. 10.1073/pnas.1210548110



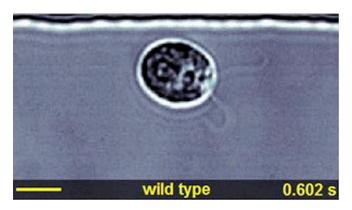
Movie S1. Scattering of a swimming bull sperm cell from a solid surface corner at temperature T = 10 °C (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 20 µm.)

Movie S1



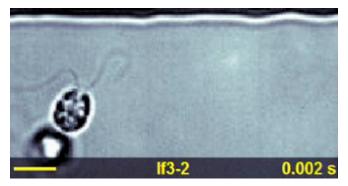
Movie S2. Scattering of a swimming bull sperm cell from a solid surface corner at temperature T = 29 °C (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 20 µm.)

Movie S2



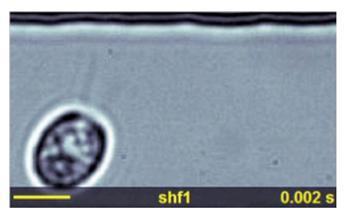
Movie S3. Scattering of a swimming WT Chlamydomonas cell from a solid surface (see Materials and Methods for details about the imaging techniques). (Scale bar: 10 µm.)

Movie S3



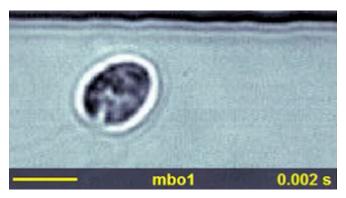
Movie 54. Scattering of the long-flagella mutant lf3-2 from a solid surface (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 10 μm.)

Movie S4



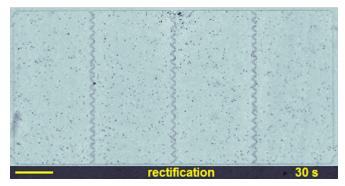
Movie S5. Scattering of the short-flagella mutant shf1 from a solid surface (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 10 μm.)

Movie S5



Movie S6. Scattering of the backward-only swimming mutant mbo1 from a solid surface (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 10 μm.)

Movie S6



Movie S7. Rectification of swimming WT *Chlamydomonas* algae through wedge-shaped ratchets in a quasi-2D microfluidic chamber (see *Materials and Methods* for details about the imaging techniques). (Scale bar: 0.5 mm.)

Movie S7