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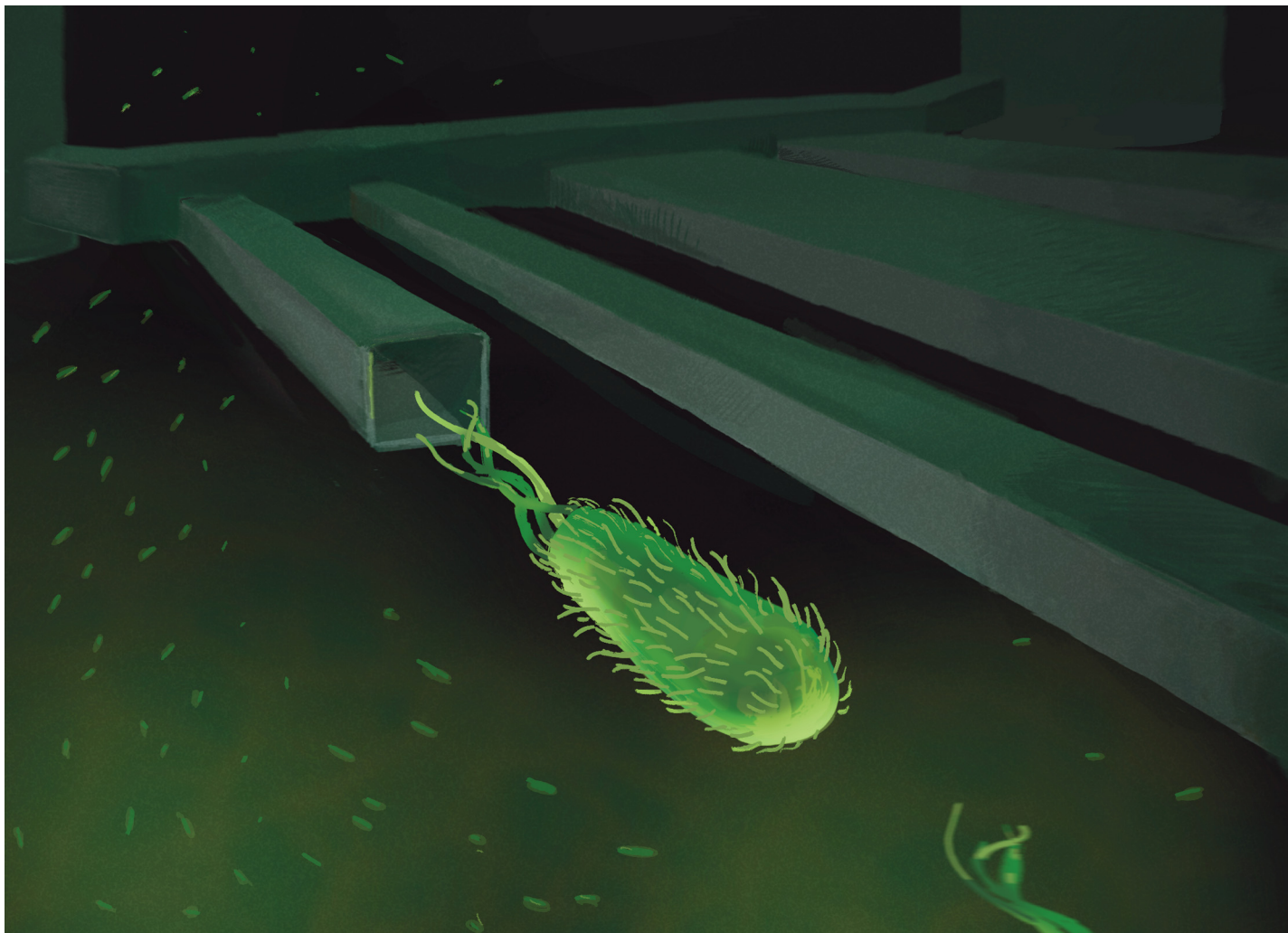
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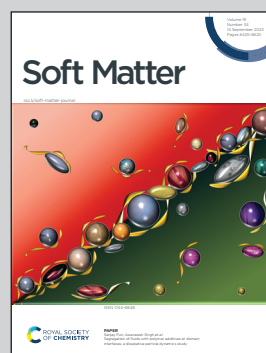


Highlighting research from the groups of Professor Mithun K. Mitra of the Department of Physics and Professor Debjani Paul of the Department of Biosciences and Bioengineering at the Indian Institute of Technology (IIT) Bombay.

Anomalous diffusion of *E. coli* under microfluidic confinement and chemical gradient

A microfluidic device is constructed to study the motion of *E. coli* under different confinement strengths and chemical gradients. Bacteria modulate their swimming behaviour in response to both physical confinement and chemical gradients, with changes in both the run as well as tumbling characteristics.

As featured in:



See Mithun K. Mitra, Debjani Paul *et al.*, *Soft Matter*, 2023, **19**, 6446.