

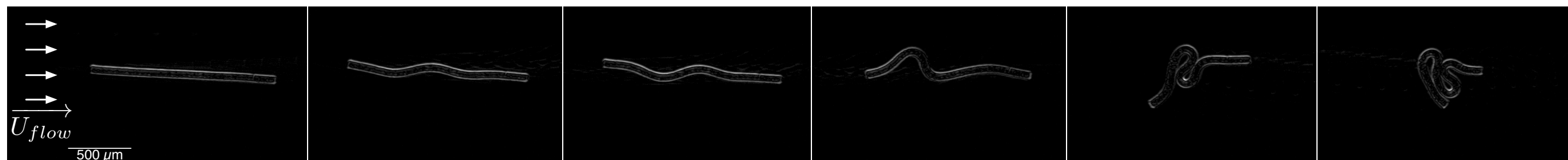
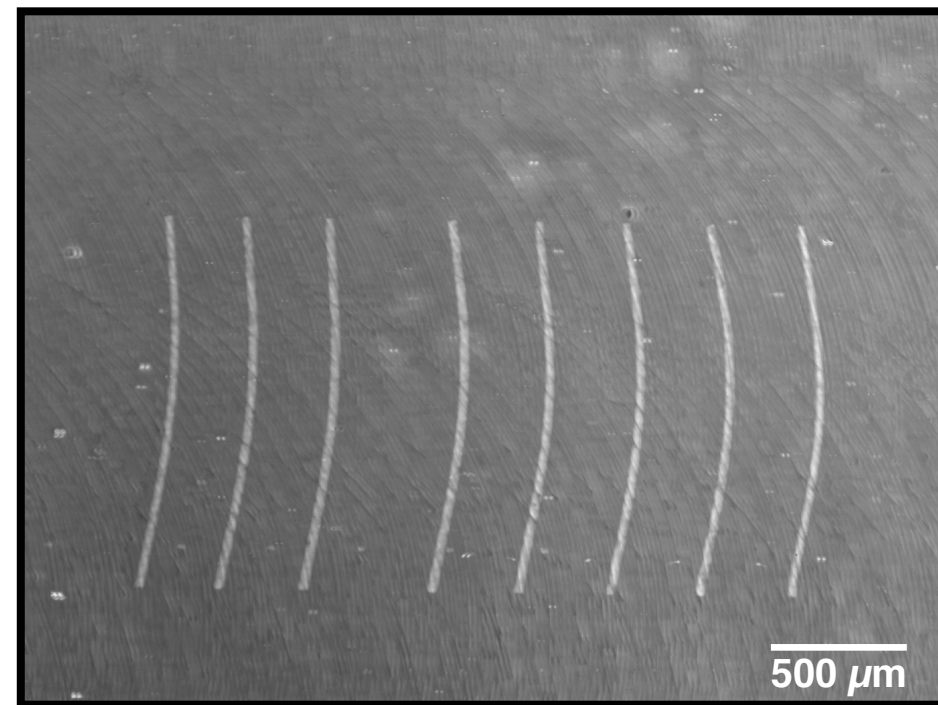


Dynamics of flexible fibers in confined viscous flows



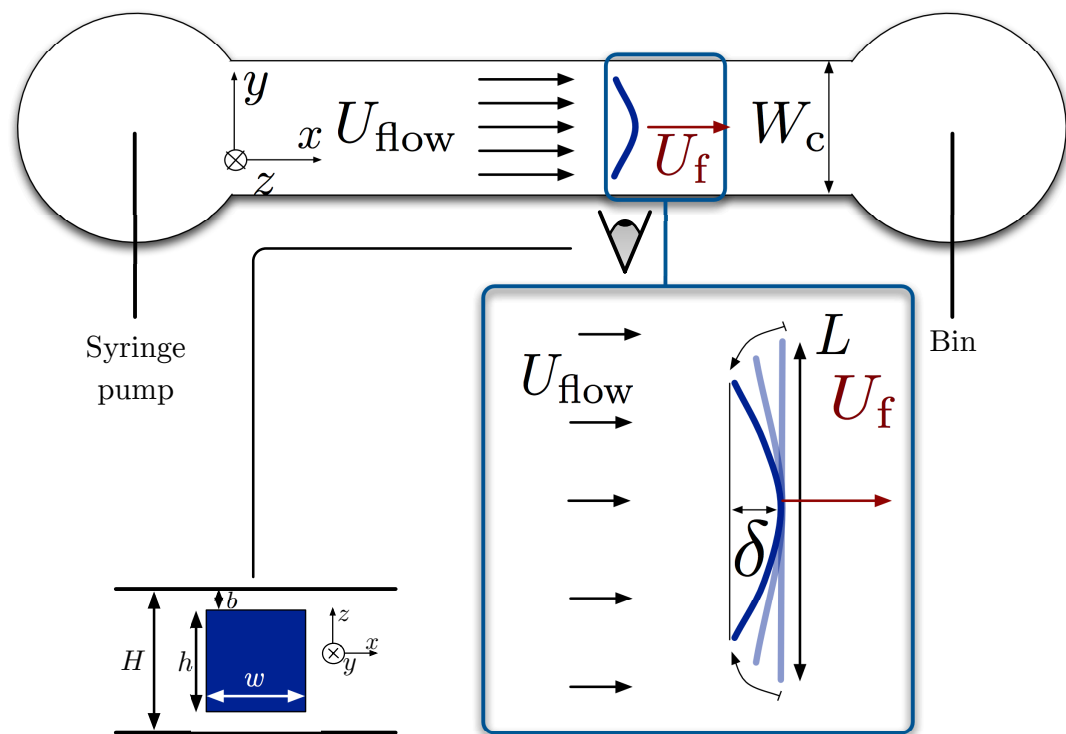
European Research Council
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Transport of flexible fibers



Competition : Viscosity \iff Elasticity

$$\delta \propto D = \mu U L^4 / (EI)$$

- Force free
- Local variation of the viscous force
- Deformation : **second order** phenomenon

Impact of the confinement

