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**Enkeleida Lushi\*** ([elushi@flatironinstitute.org](mailto:elushi@flatironinstitute.org)), Newark, NJ 07102. *Motion of micro-swimmers in confinement.*

Interactions between motile microorganisms and solid boundaries play an important role in many biological and technological processes. I will discuss recent advances in experiments and simulations that aim to understand the motion of micro-swimmers such as bacteria, micro-algae or spermatozoa in confinements or structured environments. Our results highlight the complex interplay of the fluidic and contact interactions of the individuals with each-other and the boundaries to give rise to intricate behavior. (Received July 10, 2018)