



TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA

Dipartimento di Fisica



European Research Council
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Seminar

Tuesday, 28 May 2024 - h. 14:30

Fisica della Materia room (Department of Physics)

Prof. Massimo VERGASSOLA

Ecole Normale Supérieure, Paris

“Fluid dynamics and mechanics in early
embryogenesis”

Abstract

The fruit fly *Drosophila melanogaster* is a classical model organism of embryonic development. The mechanisms that lead to an adult, fully-developed animal from an unstructured embryo are at the core of biology, and their investigation keeps unveiling surprises and discoveries. I shall cover the first two hours (at room temperature) of this fascinating process, illustrating the numerous and relevant contributions brought by the overlap between biology and physics, which covers a broad range of phenomena from fluid dynamics to mechanics.

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(P.I. Prof. Luca Biferale)

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