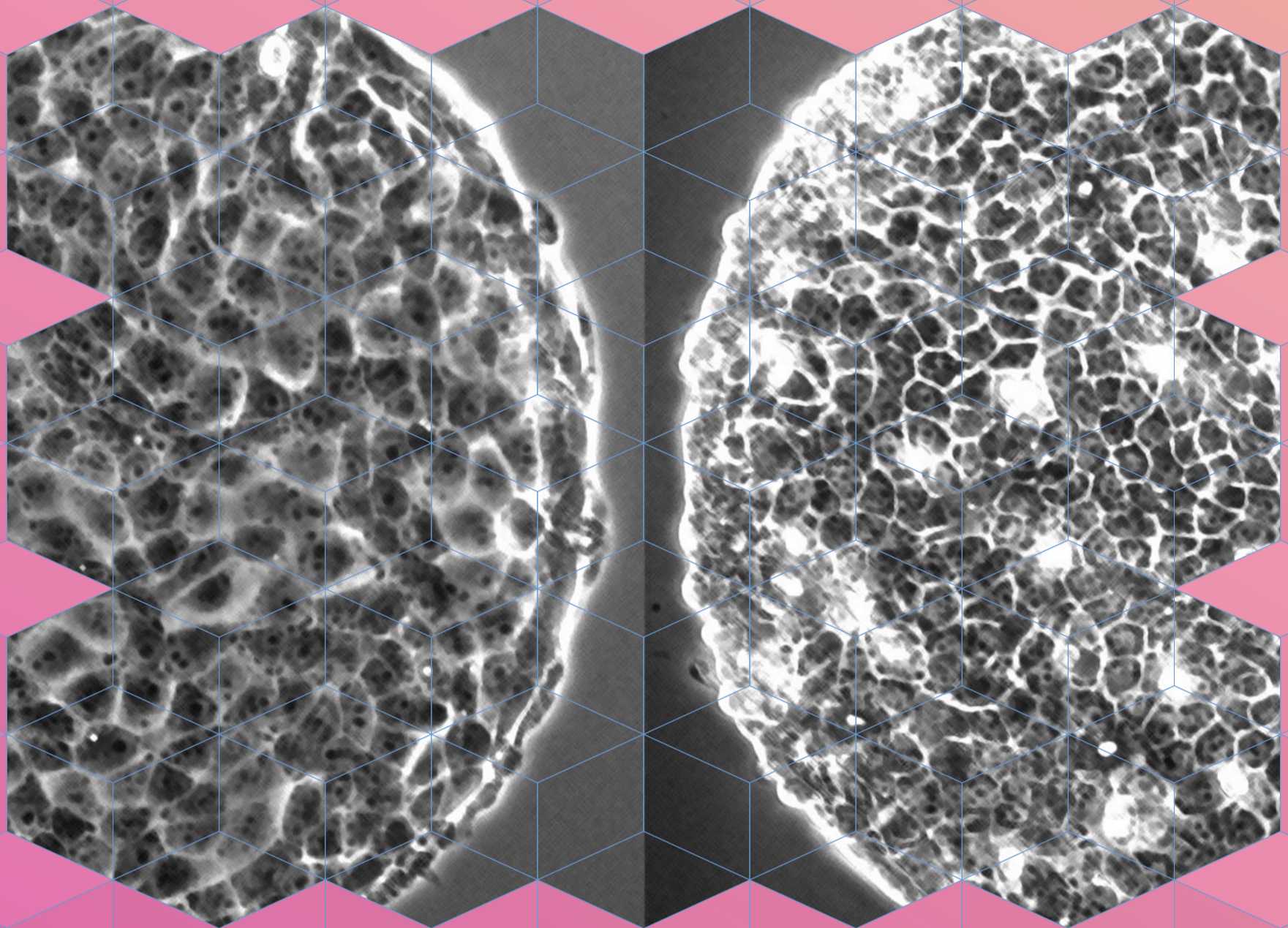


# PHYSICS COLLOQUIA

2018/2019



The directed migration of cell collectives is essential in various physiological processes, such as epiboly, drosophila dorsal closure and convergent extension during morphogenesis as well as pathological events like wound healing and cancer metastasis. Collective cell migration leads to the emergence of coordinated movements over multiple cells.

In the first part, we will show how the emergence of single-cell level mechanical polarity could drive coordinated movements of epithelial cells.

In the second part, we will show how epithelial movements and stresses drive cell extrusion mechanisms from epithelial tissues.



07

MAY 2019

**Benoît Ladoux**

Université Paris Diderot & CNRS, Francia

**Dynamics of epithelial cells  
during collective migration and cell extrusion**



UNIVERSITÀ DEGLI STUDI DI MILANO  
DOTTORATO DI RICERCA IN FISICA  
ASTROFISICA E FISICA APPLICATA

Gli incontri si terranno alle **ore 14:30**  
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