



SEMINAIRE ISMO

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When myosins play collective.

Most of the cellular functions are carried out by groups of proteins working together. This ranges from basic functions such as muscle contraction which requires only a few numbers of proteins, to more elaborate processes such as endocytosis. During endocytosis, a cell “eats” some nutrients or any other molecules present in its environment. This requires several groups of proteins to work together in a coordinated and synchronized manner in order to, first, detect and collect the molecules of interest, then to reshape the cell membrane and form a cargo, which is finally taken in charge by another group of proteins to be transported to the proper location inside the cell.

In this talk, I will present some results obtained on *in vitro* assays using fluorescence microscopy techniques (real-time TIRF and Confocal microscopy) as well as time-resolved super-resolution microscopy (STORM/PALM like). These results suggest that the formation of elaborate structures or processes in cells can emerge from the collective behaviour of only few but critical proteins.

Mardi 9^b ck201; à 11 h

Amphithéâtre du bât 520 (3^{ème} étage)

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