SEMPARIS – Séminaires en région parisienne

http ://string.lpthe.jussieu.fr/semparis/

TBA

Jeudi 6 Avril 2017, 11 :00
IHES, Amphithéâtre Léon Motchane
Domaines : hep-th

Titre : *Cytoplasmic Streaming and Collective Behavior in Microswimmer Suspensions*

Orateur : **Raymond E. Goldstein (University of Cambridge & IHES)**

Résumé : *The field of "active matter" focuses on the collective behaviour of large numbers of individual units (molecular motors, cells, organisms) which inject energy into a fluid at the small scales, creating large-scale nonequilibrium patterns. In this talk I will link together two historically important examples of active matter - concentrated suspensions of bacteria and cytoplasmic streaming in plant and animal cells - to illustrate recent experimental and theoretical developments in the area of self-organization.*