

NanoLSI Interdisciplinary Fusion Seminar

"Collective migration of epithelial cells within their sheet"

During early development and wound healing, epithelial cells (cohesive cells) that form a monolayer sheet sometimes move collectively in a definite direction in the sheet; that is, the cohesive cells move unidirectionally while maintaining the attachments with adjacent cells. This phenomenon is called collective migration of epithelial cells, and is considered to be an essential factor for morphological changes of multicellular organisms. While the molecular mechanisms underlying this phenomenon are becoming understood, much of the mechanical mechanisms remain still unclear. In the present talk, I will provide one possible mechanism for collective migration from a theoretical point of view.

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Date and Time

3:00-4:00 PM, Thursday, January 25, 2018 Venue

104 lecture room,
1F Natural Science and Technology Main Hall



[Host]
Nano Life Science Institute (NanoLSI)

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