

Internal Seminar

Probing Cellular Mechanisms Behind Epidermal Stratification

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In mammalian embryos, the development of the epidermis starting from a single layer to becoming a complex stratified epithelium is achieved through the upward movement of cells from one layer to another. During this process, known as stratification, the epidermal cells undergo remarkable changes in the intracellular organisation, which critically contributes to the barrier function of the mammalian skin. However, what exact cues drive stratification and how it is sensed by the cells and responded to remain poorly understood. In order to answer these questions, I plan to undertake a two-way approach, which includes understanding the mechanics and cell biology at both tissue and cell level. In this talk I will briefly outline the existing literature in the field, pose the questions and discuss the hypothesis.

Thursday, Oct 27th 2022

04:00 PM

Seminar Hall, TIFR-H