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Forces at play in receptor-mediated cell adhesion

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Over the past decades, advancements in the field of cell adhesion mechanobiology have revealed how cells interact with and respond to their physical environment. This talk will present our findings on the spatial and mechanical regulation of cell-matrix and cell-cell adhesion, and how these interactions affect cell behavior. The integration of multi-scale experimental approaches, ranging from the mechanical regulation of molecular adhesion to the influence of forces in the transition in multicellular systems, will be discussed.

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