



Molecular Mechanisms Underlying Cell Adhesion and Migration

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Message from the Guest Editor

Cell adhesion and cell migration are essential biological processes for multicellular organisms. The spatiotemporally-controlled fine coordination of cell adhesion and migration is key to well-organized organogenesis and embryogenesis. This is also true for maintaining tissue/organ homeostasis and normal functions, such as immune response, tissue repair, and wound healing. Abnormal cell adhesion and migration lead to various diseases, such as cancer metastasis, thrombosis, inflammation, etc. Numerous molecules participate in cell adhesion and migration. In different cell types, molecular mechanisms driving and regulating cell adhesion and cell migration are often different. Understanding how cell adhesion and migration are achieved precisely under different biological scenarios is an ongoing challenge. This Special Issue is open to comprehensive reviews, original research papers, and high-quality communications to discuss the molecular mechanisms underlying cell adhesion and migration during normal development and diseases. In particular, studies in the fields of molecular structure and dynamics, molecular biophysics, and cellular biochemistry are welcome.





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