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Message from the Guest Editor

Dear Colleagues,

Cell adhesion molecules are fundamental regulators of the structure and function of most tissues and organs. Their numerous physiological roles have expanded over recent decades to include the regulation of barrier function, polarity, cell-cell and cell-matrix communication, neural transmission, stem cell renewal, cell division and immune function to name but a few. This Special Issue of Cells will advance our understanding of the upstream regulators and downstream targets of cell adhesion molecules, and the cellular mechanisms allowing them act as active drivers of various physiological and pathophysiological processes. Original contributions are welcome from authors actively engaged in the fields of cell–cell adhesion, cell–matrix adhesion and leukocyte adhesion, as well as from authors interested in emerging adhesion-independent signaling events associated with cell adhesion molecules. All models of study and all disease states will be considered, including systems biology approaches that provide new insight into the fundamental regulation of adhesion signaling.

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Guest Editor