

Cell signalling

Cell [signalling](#), also known as [cellular signaling](#) or [signal transduction](#), refers to the process by which [cells](#) communicate and coordinate their activities in response to internal or external cues. It involves the [transmission](#) of [signals](#) from the [cell surface](#) or the extracellular [environment](#) to the interior of the [cell](#), leading to specific cellular [responses](#).

[Cell signaling](#) is crucial for the [regulation](#) of various cellular processes, including [growth](#), [development](#), [metabolism](#), [differentiation](#), and [immune responses](#). It ensures that cells can respond appropriately to changes in their [environment](#) and maintain [homeostasis](#).

see [Signaling pathway](#).

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