

Cell Signaling

In addition to regulating substances that come in and out of cells, it is also essential for cells to communicate (signal) with each other (Intercellular signaling) as well as with organelles within themselves (intracellular signaling). Cell signaling molecules are called ligands and ligands can interact with proteins imbedded in cell membranes called receptors. This receptor/ligand interaction can be quite complex and is usually very specific.

Cell Signaling Pathways
Receptor Interactions
G Protein-Coupled Receptor (GPCR)



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