

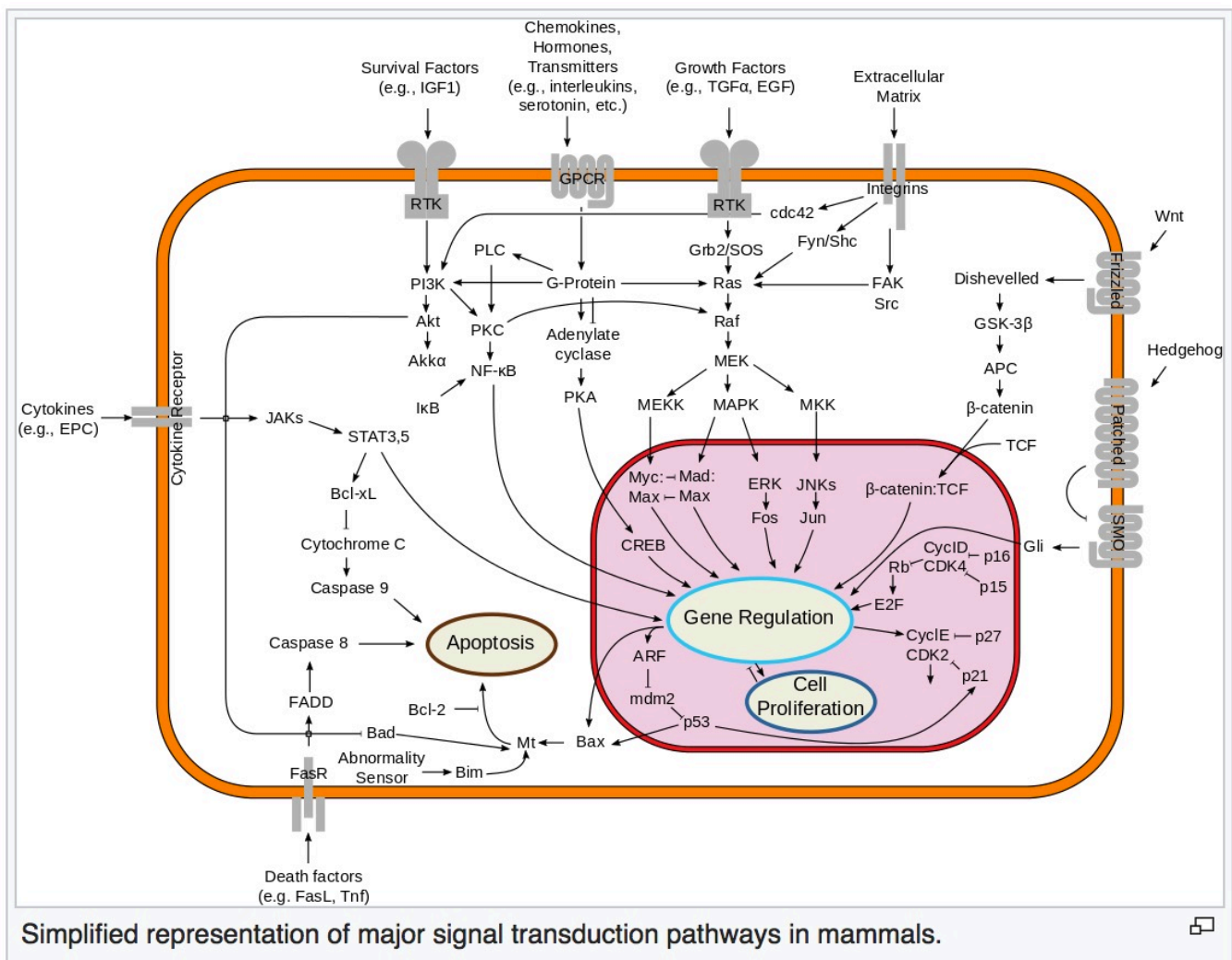
Cell signalling

A series of interactions to affect gene expression

see [Wnt signaling pathway...](#)

Cell surface receptors (membrane receptors, transmembrane receptors) are receptors that are embedded in the membranes of cells. They act in [cell signaling](#) by receiving (binding to) extracellular molecules.

Cell [signalling](#) is part of a complex system of communication that governs basic cellular activities and coordinates cell actions. The ability of cells to perceive and correctly respond to their microenvironment is the basis of development, tissue repair, and immunity as well as normal tissue homeostasis. Errors in cellular information processing are responsible for diseases such as cancer, autoimmunity, and diabetes. By understanding cell signalling, diseases may be treated effectively and, theoretically, artificial tissues may be created.



From:

<https://operativeneurosurgery.com/> - **Operative Neurosurgery**

Permanent link:

https://operativeneurosurgery.com/doku.php?id=cell_signaling

Last update: **2022/06/20 12:23**

