

Download Gap Junction-mediated Intercellular Signalling In Health And Disease

Ernesto Oviedo-Orta, Novartis Vaccines, Clinical Sciences Department, Department Member. Studies Immunology, Cardiovascular, and Vaccines. Gap junction biosynthesis and assembly are strictly regulated and intercellular junctions have a short half-life of only a few hours (Musil et al., 2000). Most connexins are cotranslationally integrated into the endoplasmic reticulum membrane. Aging is characterized by a progressive loss of physiological integrity, leading to impaired function and increased vulnerability to death. This deterioration is the primary risk factor for major human pathologies, including cancer, diabetes, cardiovascular disorders, and neurodegenerative diseases. GM-CSF is a hematopoietic growth factor that stimulates the development of neutrophils and macrophages, and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells.