Purinergic Signalling in Cancer and Inflammation

Message from the Guest Editor

Dear Colleagues,

Adenosine triphosphate (ATP) is the energy currency of cells. It is also a potent inflammatory molecule, which is released from cells via connexion and pannexin hemi-channels or directly from necrotic cells into the extracellular space. ATP may signal via P2 receptors and this pathway is implicated in a number of pathological states. ATP is rapidly cleared from the extracellular space by ectonucleotidases generating adenosine. Adenosine signals via the P1 receptors and mediates a number of pathophysiological processes. This Special Issue explores the role of purinergic signalling in inflammatory states and cancer.

Prof. Dr. Karen Dwyer
Guest Editor