

Special Issue

State-of-the-Art in STAT Protein

Message from the Guest Editor

The signal transducer and activator of transcription (STAT) protein family consists of latent cytoplasmic transcription factors. Since the first discovery of STAT in the 1990s, its structure, activation, function, and regulation have been investigated in a great deal of pathophysiological situations. Seven STAT genes in mammalian genomes have been identified so far; namely STAT1, STAT2, STAT3, STAT4, STAT5A, STAT5B, and STAT6. Furthermore, the STAT pathway is connected to the Janus kinases (JAK) family protein, and able to integrate inputs from various signaling pathways. This is why STAT is a potential key mediator in diseases. This Special Issue aims to gather contributions on review and primary research articles, aiming to update and advance the current knowledge on STAT proteins. The suggested potential topics are not restricted to STAT itself, but also its related protein or involved pathways. Your diverse works will help to clarify the STAT protein, forming numerous insights into many diseases.

Guest Editor

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