



TRP Channels

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

The superfamily of transient receptor potential (TRP) proteins is constituted by structurally and functionally diverse cation channels that, according to their amino acid sequence homology, are classified into seven subfamilies: TRPC (canonical), TRPV (vanilloid), TRPM (melastatin), TRPP (polycystin), TRPML (mucolipin), TRPA (ankyrin), and TRPN (NOMP-C), TRPs that are expressed in almost every cell type, and are expressed particularly strongly in electrical and intracellular Ca^{2+} signaling. The purpose of this Special Issue is to cover recent findings about the structure and biophysical and pharmacological properties and pathophysiological roles of TRP channels, ranging from the regulation of the epithelial barrier function to the control of neuronal excitability.

Prof. Karel Talavera
Guest Editor





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Message from the Editor-in-Chief

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