

Susanna Zierler (Munich, Germany)



Biographical sketch

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The aim of her research is to gain a better understanding of the importance and regulation of cation channels at the cellular level as well as in the context of *in vivo* immune reactions. This should lead to the identification of novel pharmacological targets against pro-inflammatory diseases, leukemia and allergies. Particular interest lies on the melastatin-like 'transient receptor potential' TRP divalent cation channel TRPM7, and its enzymatic domain, which encodes for a serine/threonine kinase.

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In her speech, she will talk about the impact of TRPM7 kinase activity on immune system homeostasis and hypersensitivity reactions.