

Vladimir Chubanov, Munich, Germany



**Biographical sketch:**

Vladimir Chubanov, PhD

Group Leader, Walther-Straub Institute of Pharmacology and Toxicology, LMU Munich, Germany.

Studies of my group are focused on TRPM6 and TRPM7, bifunctional proteins combining a channel segment with an  $\alpha$ -type protein kinase. Mutations in the human TRPM6 and TRPM7 genes lead to systemic  $Mg^{2+}$  deficiency. However, the mechanisms behind how these channel-kinases regulate  $Mg^{2+}$  homeostasis and the are not fully understood. Therefore, our primary objective is to gain new insights into the physiological and pathophysiological roles of TRPM6 and TRPM7. We employ gene-modified mice along with a diverse array of biochemical, biophysical, and cell-biological techniques to achieve this goal.

Contact: [vladimir.chubanov@lrz.uni-muenchen.de](mailto:vladimir.chubanov@lrz.uni-muenchen.de)