

## Special Issue

# Calcium Channels as Therapeutic Targets

### Message from the Guest Editors

Ion channels are key modulators of intracellular levels of  $\text{Ca}^{2+}$ , which, in turn, is a vital physiological ‘second messenger’. Whether modulated through voltage changes, endogenous ligands/protein partners, and/or changes to  $\text{Ca}^{2+}$  levels, different  $\text{Ca}^{2+}$  channel families represent key molecular targets in a range of pathophysiological conditions that carry a heavy health, well-being, and economic burden. Thus,  $\text{Ca}^{2+}$  channels are major targets in diseases, including pain, epilepsy, neurodegenerative disorders, and neuropsychiatric disorders. This Special Issue will shed light on new pharmacological agents that modulate different classes of  $\text{Ca}^{2+}$  channels, including voltage-gated and transient receptor potential channels and/or the auxiliary subunits that make up the protein complex. We welcome submissions from diverse fields of studies, including, but not limited to, the development of small molecular entities and biological drugs, the development of toxins from the plant and animal kingdoms, the exploitation of knowledge of  $\text{Ca}^{2+}$  channel structure and function, and genetic studies of channelopathies and disease association.

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### Guest Editors

Prof. Dr. Gary J. Stephens

Prof. Dr. David Adams

Dr. Hussein N. Rubaiy

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### Deadline for manuscript submissions

closed (25 July 2025)



## Pharmaceuticals

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### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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