# **Special Issue**

# Recent Research on Cardiac Troponins

# Message from the Guest Editors

The cardiac troponin complex (cTn) is a regulatory component of sarcomere, consisting of three subunits: cardiac troponin C (cTnC), which confers Ca2+ sensitivity to muscle; cTnl, which inhibits the interaction of myosin cross-bridges with thin filaments during diastole: and cTnT, which has multiple roles in sarcomere. Conditions that interfere with interactions within cTn and/or other thin filament proteins can be key factors in the regulation of cardiac contractions. These conditions include alterations in myofilament Ca2+ sensitivity, direct changes in cTn function, and/or triggering downstream events that lead to adverse cardiac remodeling and impairment of heart function. This Special Issue aims to evaluate the mechanisms of cTns regulation that can adversely affect the delicate balance among the components of the complex, thereby promoting contractile dysfunction, together with the molecular/cellular processes involved in cTns release in blood and the exploitation of cTnI and cTnT as biomarkers of cardiac adverse events.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (20 September 2025)



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