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STIM1 elevation in the heart results in aberrant  $\text{Ca}^{2+}$  handling and cardiomyopathy

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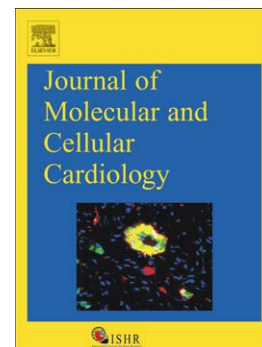
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**STIM1 elevation in the heart results in aberrant Ca<sup>2+</sup> handling and cardiomyopathy**

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**Highlights**

- STIM1 transgenic mice showed increased Ca<sup>2+</sup> entry following store depletion.
- STIM1 transgenic mice develop cardiac hypertrophy and sudden death.
- Mitochondrial structure is compromised in STIM1 transgenic mouse hearts.
- STIM1 transgenic mice are predisposed to increased disease following insult.
- Myocytes isolated from STIM1 transgenic mice have elevated spark frequency.

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