



Disease-associated functions of beta subunits on voltage-gated calcium channels

GUEST LECTURE by

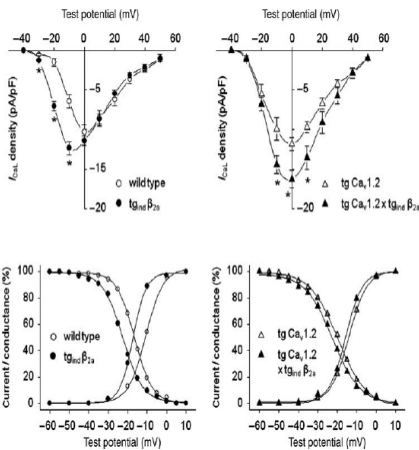
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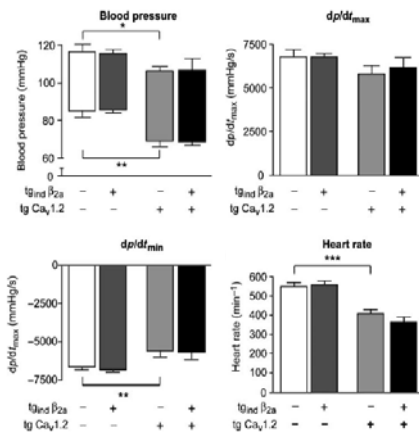
Monday, 23.07.2012

16:00h

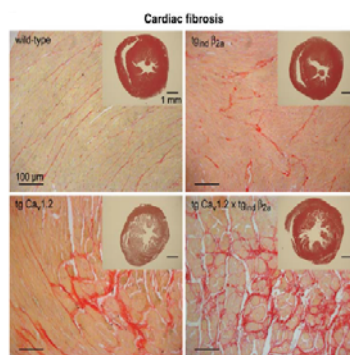
SR 07.11 (Harrachgasse 21), MUG



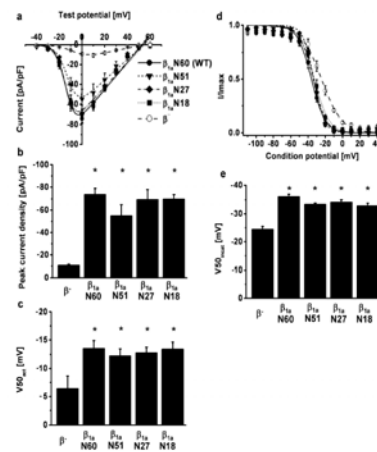
Whole-cell Ca²⁺ current modulation by over-expression of cardiac β₂-subunits.



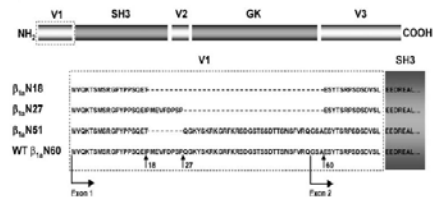
Haemodynamic function of Ca²⁺-channel β_{2a} and Ca_{v1.2}-subunit in transgenic mice.



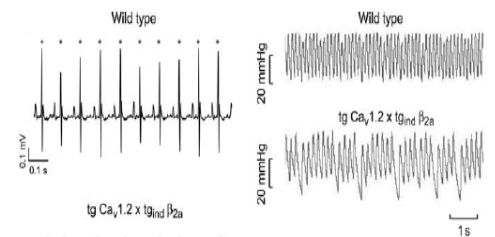
Cardiac fibrosis in transgenic mice over-expressing Ca_{v1.2} subunits.



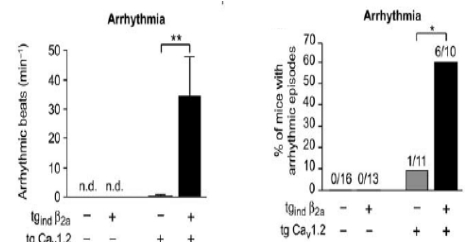
Role of the N terminus of β_{1a} subunits regarding functional expression of L-type calcium currents.



Schematic diagram of the β subunit of L-type calcium channels.



Arrhythmia in transgenic mice overexpressing β_{2a} and Ca_{v1.2} Ca²⁺-channel subunits.



N. Beetz et al.; *Cardiovasc Res* 84:386-406 (2009)
W. Jangsanthong et al.; *Eur J Physiol* 459:399-411 (2010)