

PhysioStim's letter

CARDIAC SODIUM CHANNEL SCN5A ASSAYS

MUTATION LQT₃

LONG QT Syndrome

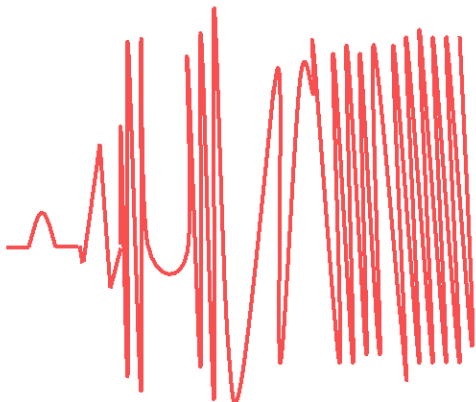
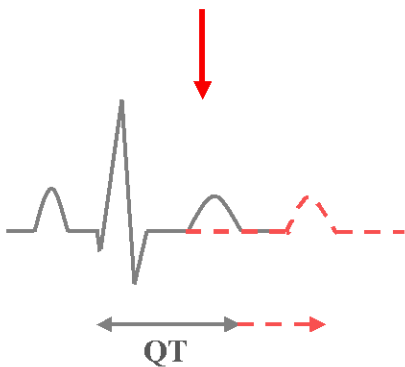
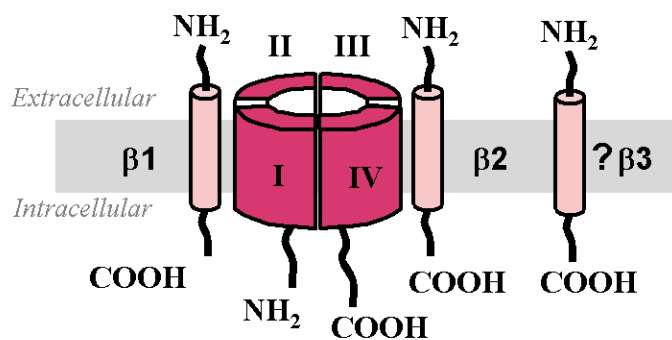


1 gene: **hSCN5A**

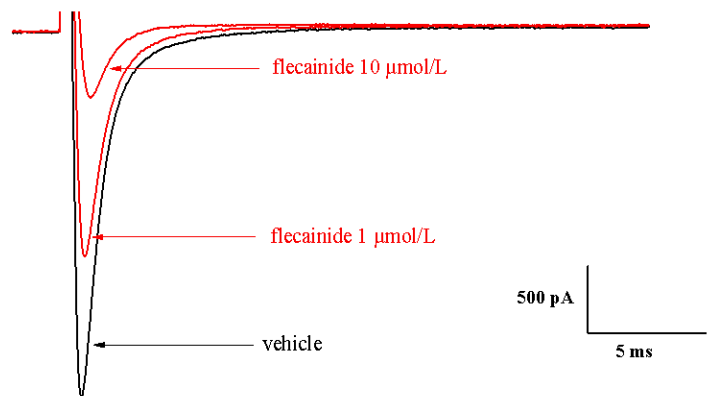
Persistent sodium current



1 channel



Torsades de pointe



Effects of flecainide on hNaV_{1.5} sodium channel

Reduction in the expression level of cardiac sodium channels

Some **MUTATIONS** in hSCN5A

DILATED CARDIOMYOPATHY

BRUGADA SYNDROME

REFERENCE:

Action potential experiments complete hERG assay and QT-interval measurements in cardiac preclinical studies.

J. DUCROQ, R. PRINTEMPS, S. GUILBOT, J. GARDETTE, C. SALVETAT & M. LE GRAND

In Press, Accepted Manuscript, JPTM 2007