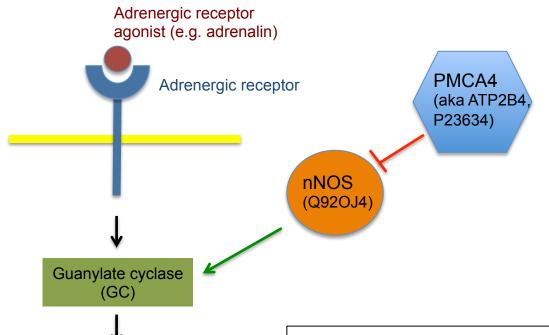
PMID:17242280

positive regulation of the

force of heart contraction



Summary:

- The adrenergic receptor signaling pathway positively regulates the force of heart contraction.
- nNOS positively regulates GC (shown in another paper) to enhance adrenergic receptor signaling, and therefore enhance the force of heart contraction PMCA4 binds to and inhibits nNOS. This leads to a decrease in the force of adrenergic receptormediated heart contraction.

Existing GO terms:

adrenergic receptor signaling pathway involved in heart process; GO:0086023 positive regulation of the force of heart contraction by epinephrine; GO:0003059

regulation of [adrenergic receptor signaling pathway involved in heart process]; GO:1901204 negative regulation of [adrenergic receptor signaling pathway involved in heart process]; GO:1901205 positive regulation of [adrenergic receptor signaling pathway involved in heart process]; GO:1901206

Need terms for:

[adrenergic receptor signaling pathway] involved in [positive regulation of the force of heart contraction] & regulation of [above term]....

Suggested new GO terms: [adrenergic receptor signaling	pathway] involved in [positive	regulation of the force of he	art contraction]
Essentially we need regulation term. Can we condense it to:	of the above term, but this we	ould create a 'regulation of re	egulation' (ROR)
[negative regulation of adrene of heart contraction]	rgic receptor signaling pathwa	y] involved in[negative regula	ation of the force
[positive regulation of adrener of heart contraction]	gic receptor signaling pathway	/] involved in [positive regula	tion of the force