

# Identification of compounds improving the surface expression of mutant trafficking-deficient CNGA3-channels using an aequorin-based bioassay

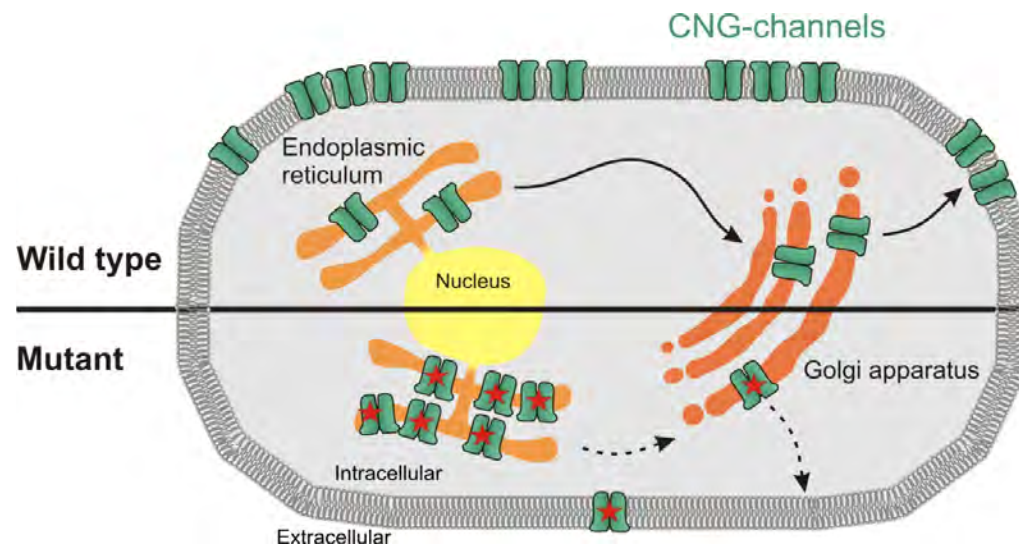
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4th RSC / SCI symposium on Ion  
Channels as Therapeutic  
Targets  
18<sup>th</sup>- 19<sup>th</sup> march 2013

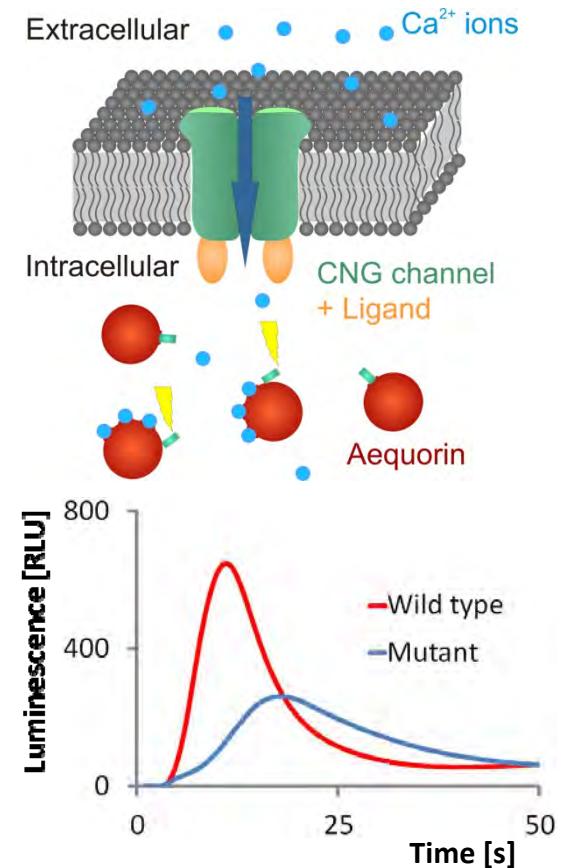
# Trafficking defect can be measured with an aequorin-based bioassay

Mutations in CNGA3 cause protein misfolding which impair trafficking



Improve protein folding with chemical and pharmacological chaperones!

Aequorin-based bioassay



## Chemical & pharmacological chaperones increase density of CNG-channel in the plasma membrane

