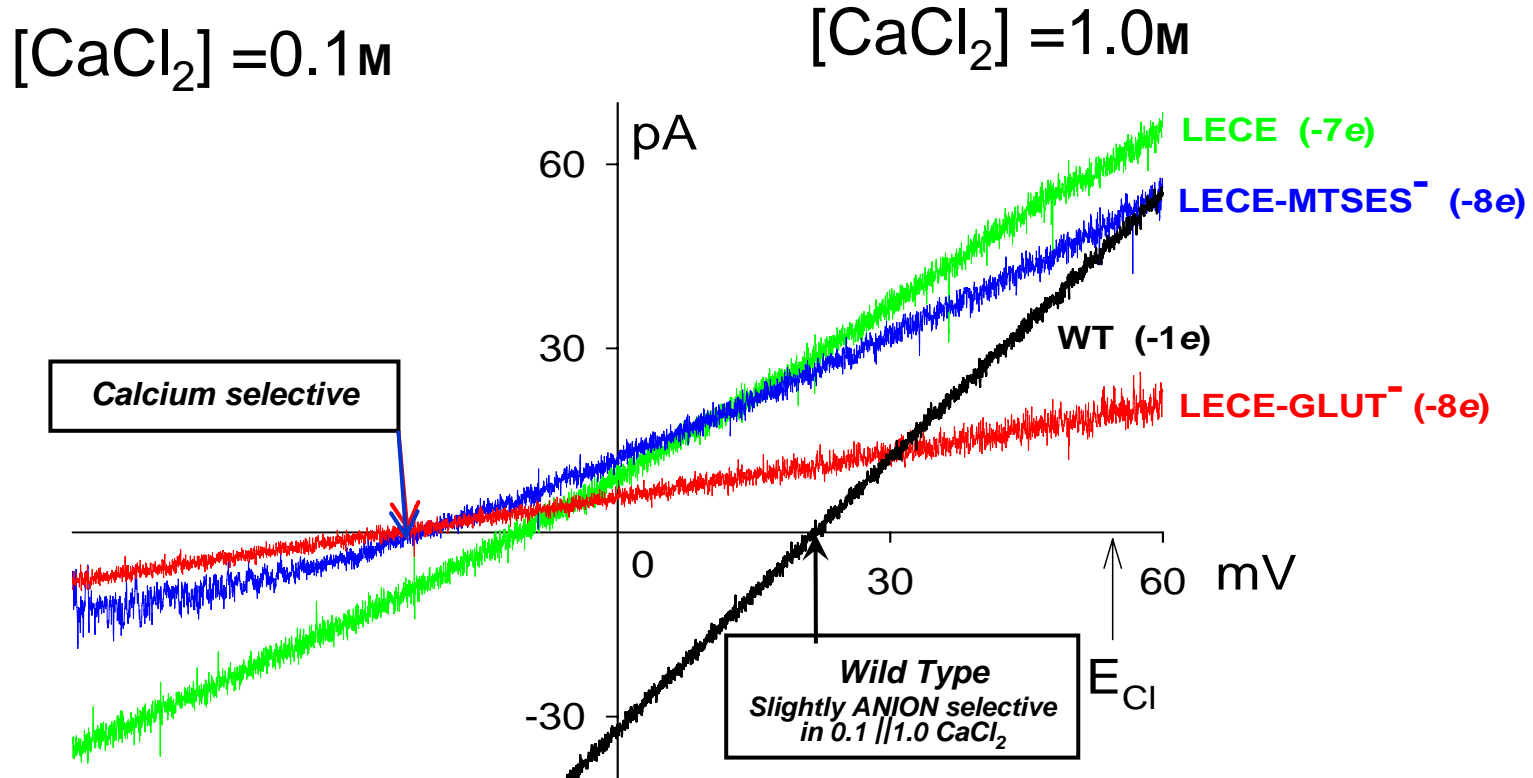


Synthetic Calcium Channels Designed by Theory *built by BioMade*



As charge density increases, channel becomes calcium selective

$$E_{\text{rev}} \rightarrow E_{\text{Ca}}$$

Miedema, Meter-Arkema, Wierenga, Tang, Eisenberg, Nonner, Hektor, Gillespie and Meijberg (2004). Permeation properties of an engineered bacterial OmpF porin containing the EEEE-locus of Ca²⁺ channels. *Biophysical Journal* 87: 3137-3147.

Latest Results

25 Sept 2005