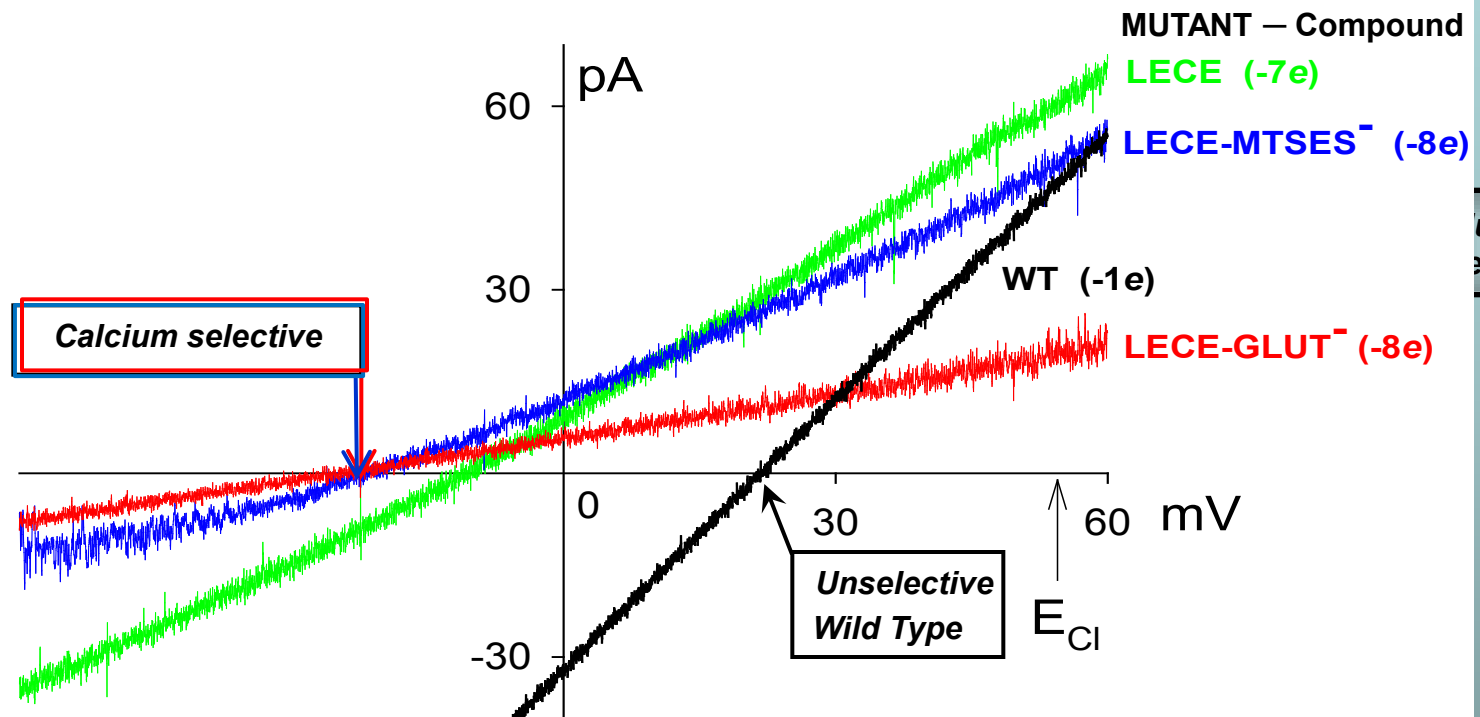


Experiments have built

# Two Synthetic Calcium Channels

Designed by Theory



As density of permanent charge increases, channel becomes calcium selective

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

built by Henk Miedema, Wim Meijberg of BioMade Corp., Groningen, Netherlands

Miedema et al, *Biophys J* 87: 3137–3147 (2004)