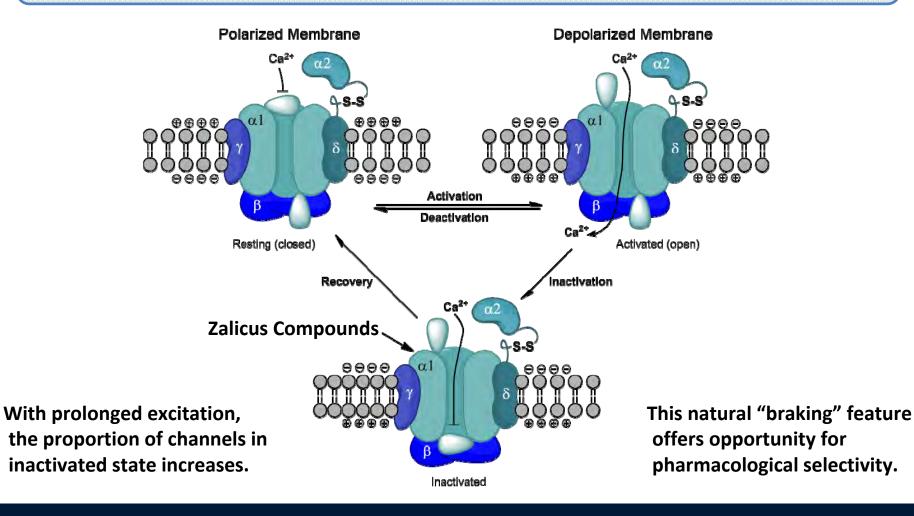
## <u>P08</u>: Screening for State-dependent Blockers of Voltage Gated Calcium Channels



Targeting the inactivated state may broaden therapeutic window, minimize adverse effects and increase efficacy.



## <u>P08</u>: Screening for State-dependent Blockers of Voltage Gated Calcium Channels



- <u>Learn</u> about cell based assays for state-dependent modulation of native and recombinant calcium channel function.
- <u>Discover</u> novel, first-in-class calcium channel blockers that demonstrate enhanced potency for the inactivated state.
- <u>Understand</u> the profile of Z160, a selective state-dependent N-type calcium channel blocker with potent oral efficacy in the Chung and Chronic Constriction Injury rodent models of neuropathic pain.
- <u>Recognize</u> the profile of Z944, a selective, state-dependent T-type calcium channel blocker with potent oral efficacy in the Complete Freund's Adjuvant (CFA) and Formalin models of pain.
- <u>Appreciate</u> the utility of inactivation state screening to identify novel, potent, selective and state-dependent calcium channel blockers with efficacy in animal models of pain.