

## T-type $\text{Ca}^{2+}$ Current

Activation gate [Wang et.al. 1991, Jeong et.al. 2015]

$$\frac{ds}{dt} = \frac{s_{\infty}(v) - s}{\tau_s(v)}$$

$$s_{\infty} = \frac{1}{1 + \exp[-(v - V_{1/2}^{(s)})/k^{(s)}]}$$

$$d_s = \frac{1}{a_{d_s} + \exp[-(v - V_{1/2}^{(d_s)})/k^{(d_s)}]}$$

$$\tau_s = \frac{s_{\infty}}{d_s}$$

Deactivation gate