

Heart

Spontaneous beating



Action potentials



Gap junctions



Pacemaker potentials



Sino-Atrial node cells



Autonomic nerves

Ca^{2+}

*Ca^{2+} release
and contraction*



*Ryanodine or IP_3
receptors, or both.*



ER or SR



*Plasma membrane
ion channels*

GI tract

Spontaneous motility



Slow waves,
Action potentials



Gap junctions



Pacemaker potentials



Interstitial cells of Cajal



Enteric neurons