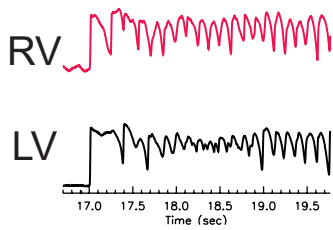


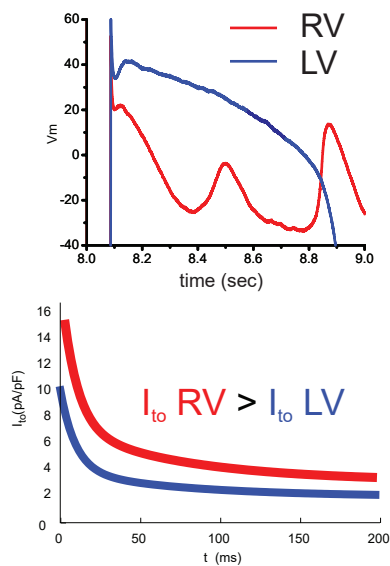
# $I_{to}$ heterogeneity potentiates EAD and reentry formation in LQT1

## Intact Heart Mapping



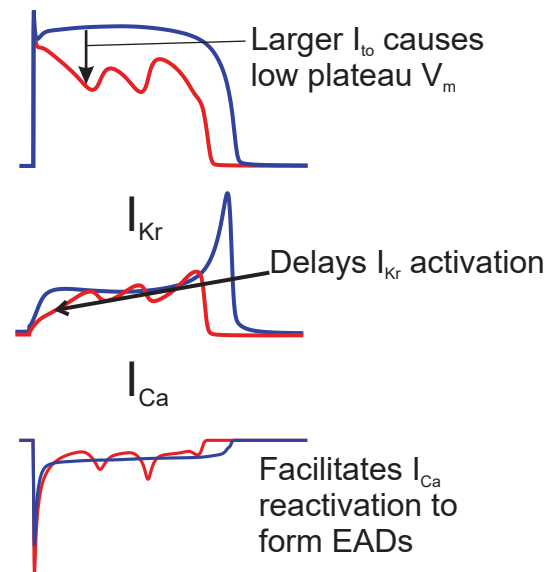
EAD originates from RV where APD is shorter and establishes reentry

## Single Myocyte



EADs form in RV myocytes where  $I_{to}$  magnitude is larger and inactivation is slow

## Simulation



Larger  $I_{to}$  potentiates EADs by its  $V_m$ -mediated knock-on effect on  $I_{Kr}$  and  $I_{Ca}$