Channel Sensitivity Analysis in a Ventricular Myocyte Model

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Project Proposal

- Utilizing Shannon-Bers' ventricular myocyte model, through Matlab and Nimrod, this project aims to analyze the various parameters that are associated with each ionic channel in the cell. This analysis will be used to determine the effect and importance of each parameter on each channel. This analysis can eventually be used to aid in determining the best targets for pharmacological systems.
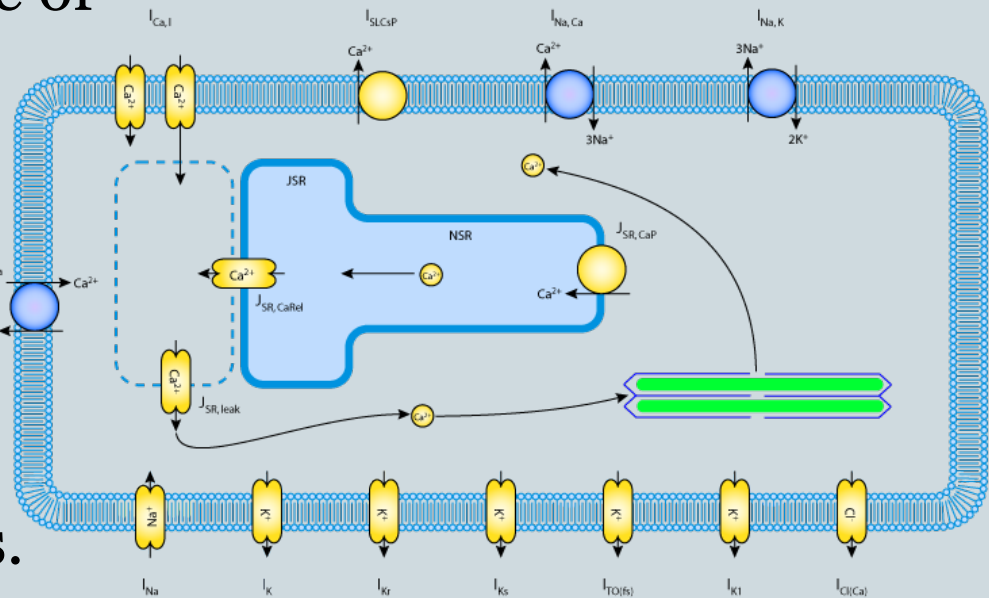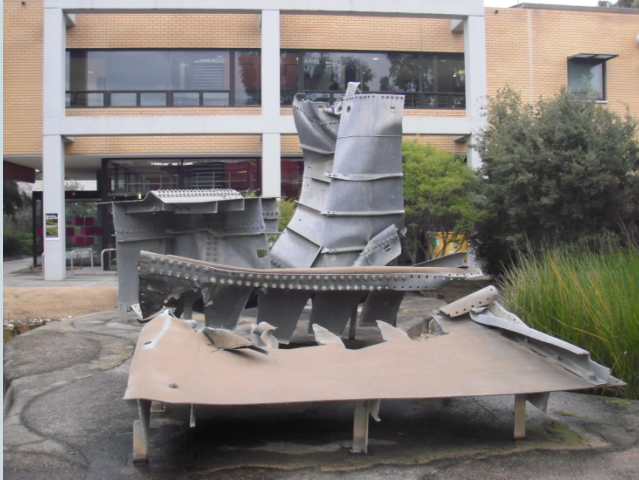
Progress

- Settled in to Australia, starting to get set up at Monash University

- Compiled a list of channels and parameters of the ventricular myocyte

Tentative Plans

- Begin to learn how to use Nimrod

- Continue reading research articles

- Work out project plans at lab meeting

The Land Down Under!

"Art"

The Office

Rugby field