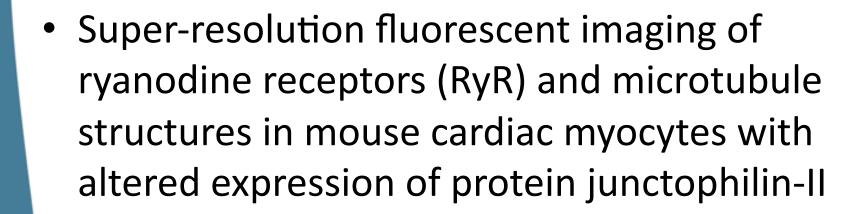




Immunostaining and Super-Resolution Imaging of Structures In Cardiac Myocytes

> Shirley Zhang Auckland, New Zealand June 28, 2012

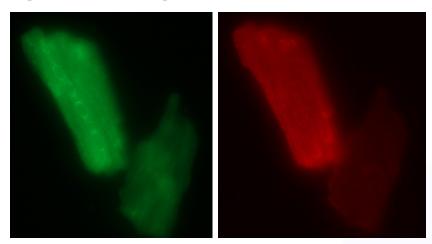
Proposed Research



 Compare relative positions of labeled structures to wild type samples



- Immunostaining of normal rat cardiomyocytes
- Imaged using confocal microscope



(left) Rat cardiomyocytes stained for beta-tubulin visualized with Alexa488

(right) Rat cardiomyocytes stained for caveolin visualized with Alexa594

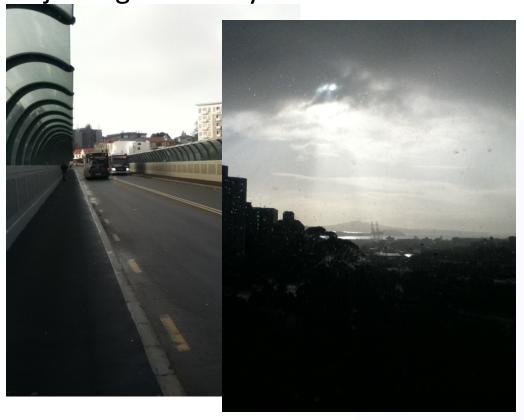
- Learned basic protocols, locations of materials in the lab
- Settled in at host site



- **Future Plans**
- Stain and image other cells from different species
 - More practice with protocols
 - Stain some with junctophilin-II knockdown?
 - Investigate presence of striations and other abnormalities seen in last week's images?



Kia ora! This week was spent mostly settling in and working.
More cultural experiences begin this weekend, but so far adjusting to NZ city life:



Rainy winter weather is very different from San Diego at any time of the year; Cars in NZ drive on the other side of the road