



Immunostaining and Super-Resolution Imaging of Structures In Cardiac Myocytes

> Shirley Zhang Auckland, New Zealand August 17, 2012



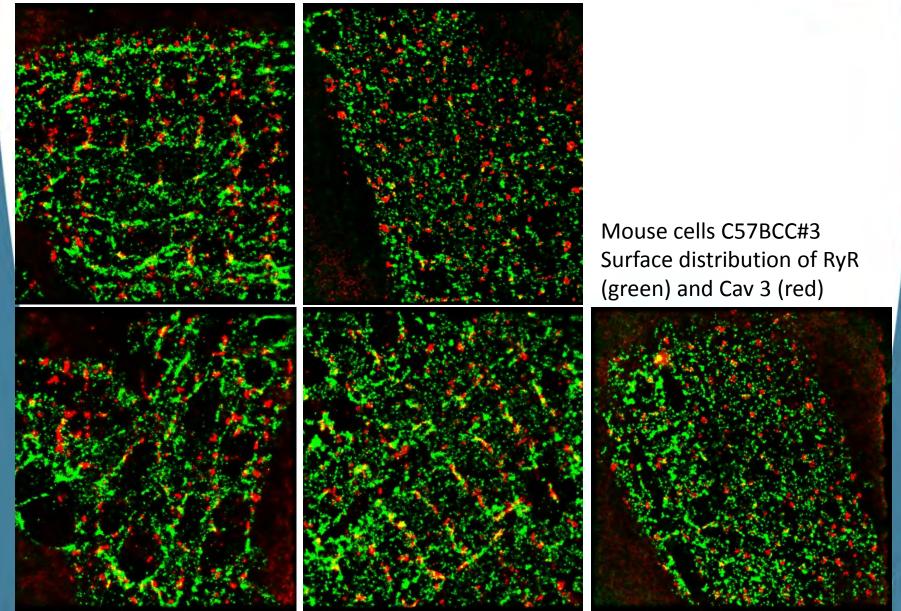


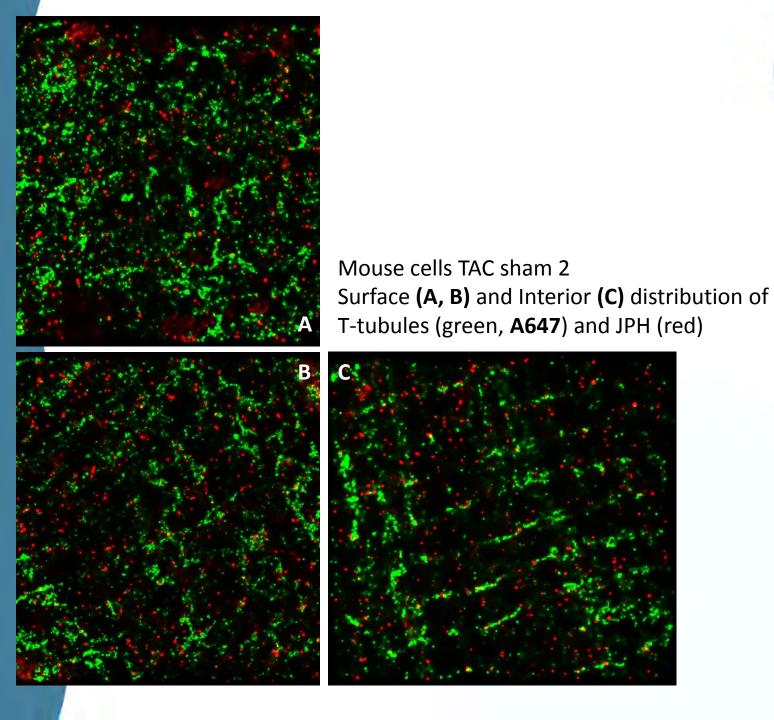
 Super-resolution fluorescent imaging of ryanodine receptors (RyR) and microtubule structures in mouse cardiac myocytes with altered expression of protein junctophilin-II

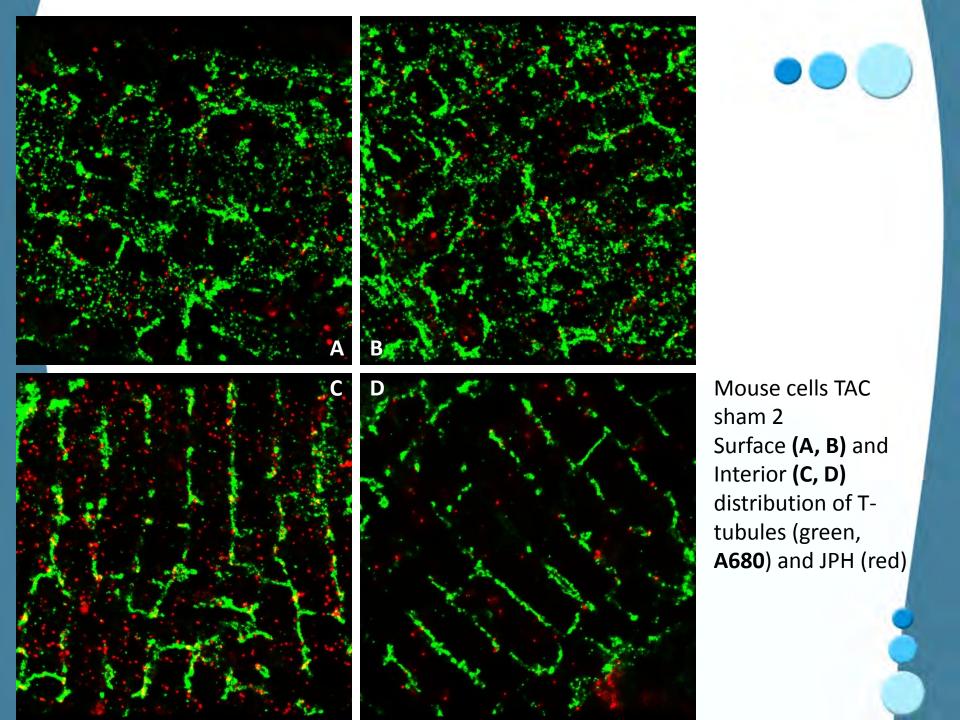
 Compare relative positions of labeled structures to wild type samples

Progress this Week









Future Plans

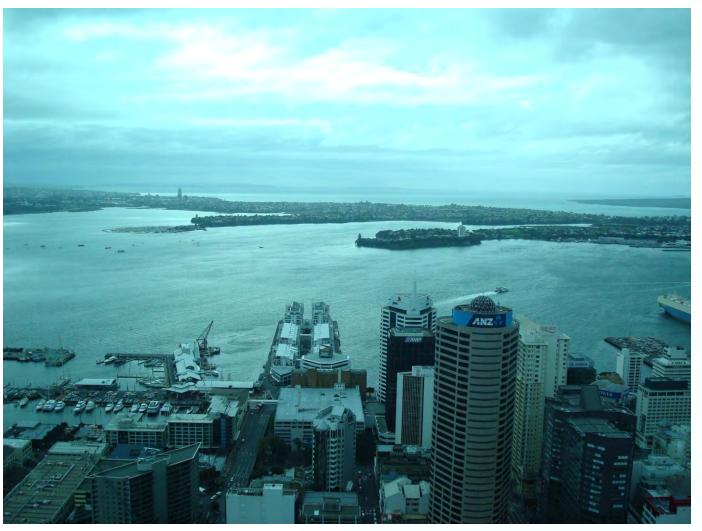


Wrap up experiments

 Image wild-type and JPH KO cells labeled for RyR and JPH

Cultural Aspect





View from the top of the Auckland Skytower





Many thanks to:

- Gabriele Wienhausen, Teri Simas, Peter Arzberger UCSD PRIME
- Masahiko Hoshijima UCSD Mentor
- Christian Soeller Host Mentor
- The University of Auckland School of Medical Sciences
- The National Science Foundation



