



Immunostaining and Super-Resolution Imaging of Structures In Cardiac Myocytes

> Shirley Zhang Auckland, New Zealand August 10, 2012

Proposed Research

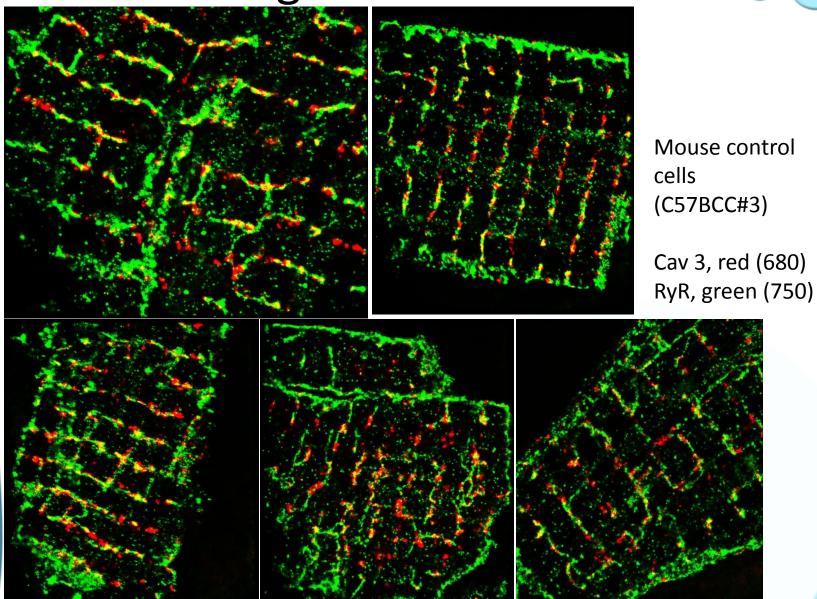


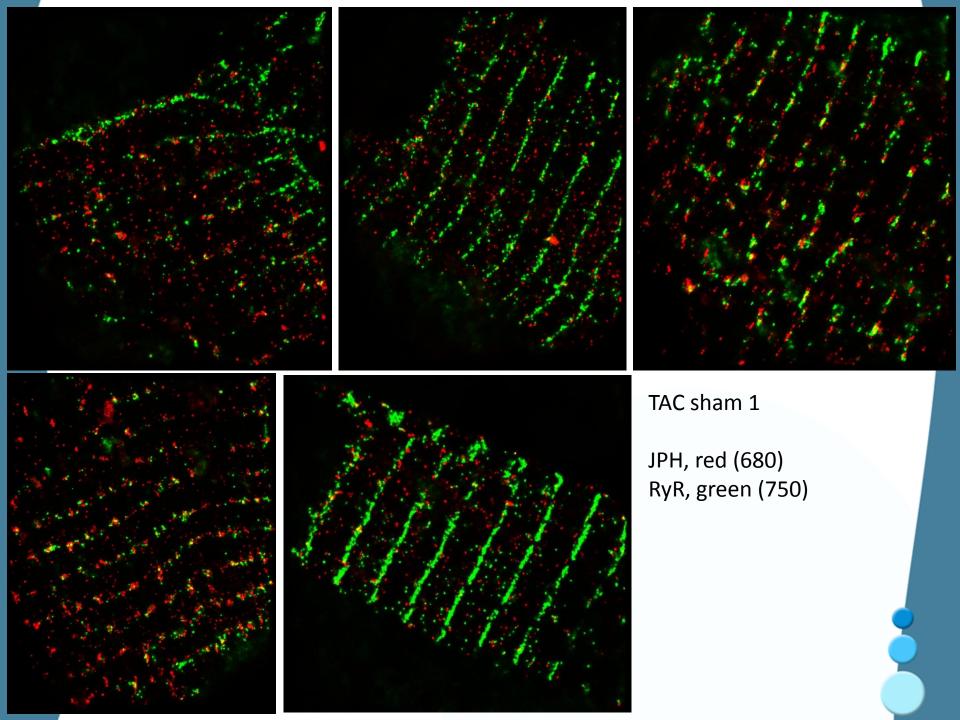
 Super-resolution fluorescent imaging of ryanodine receptors (RyR) and microtubule structures in mouse cardiac myocytes with altered expression of protein junctophilin-II

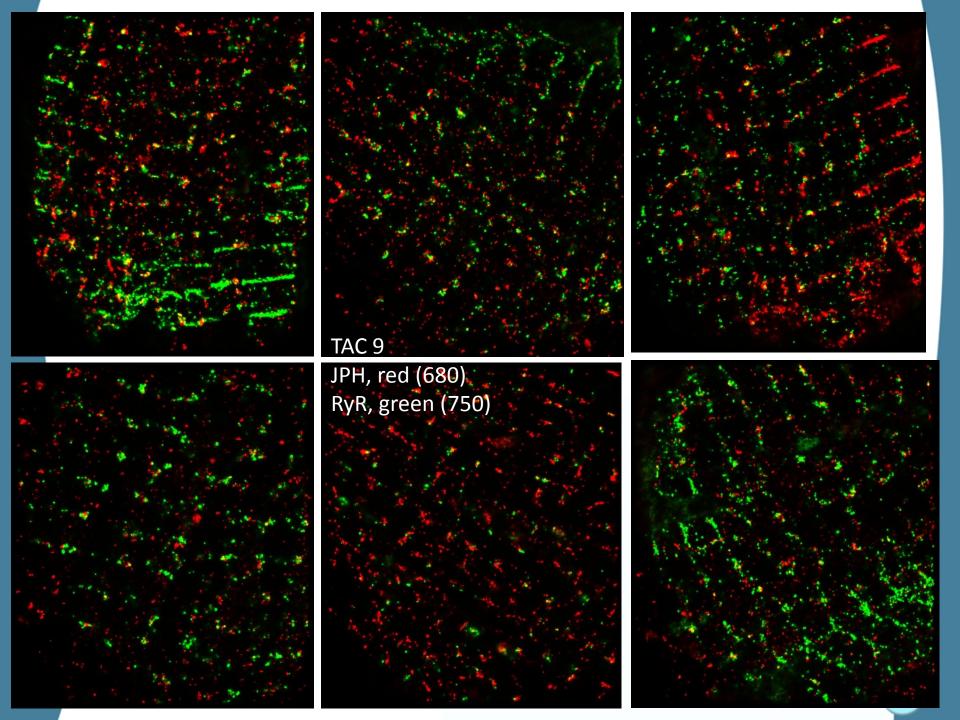
 Compare relative positions of labeled structures to wild type samples

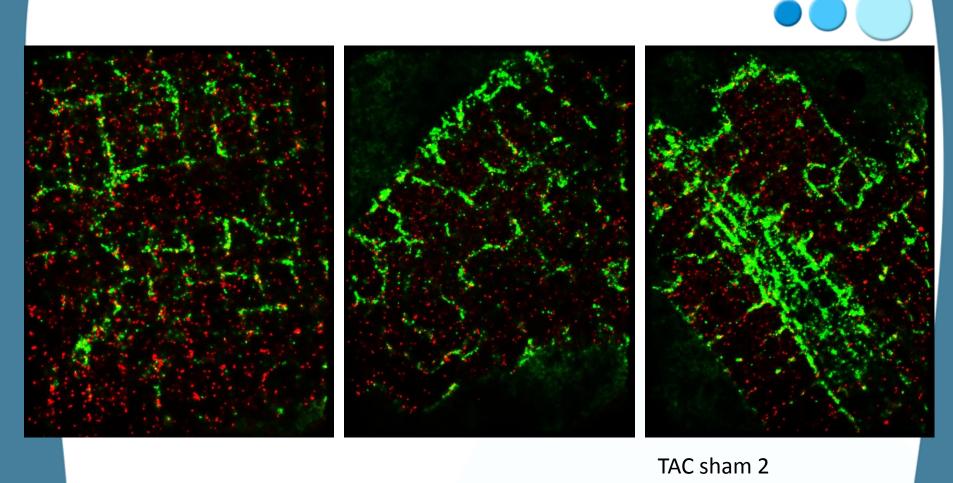
Progress This Week





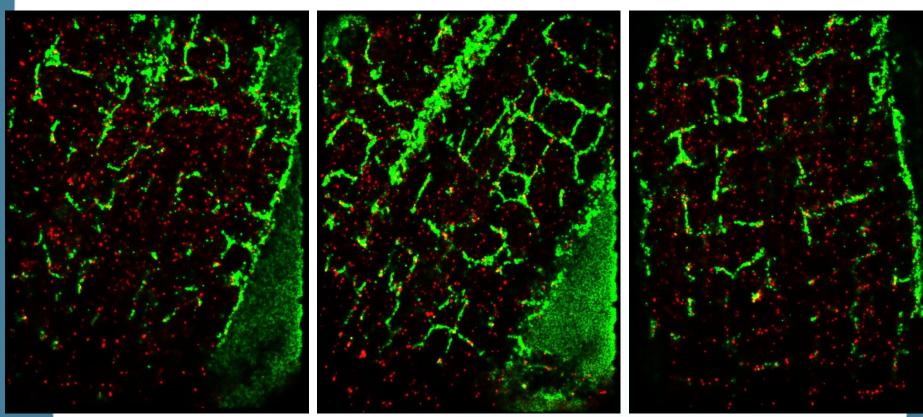






JPH, red (680) T-tubules, green (750)





TAC 11

JPH, red (680)

T-tubules, green (750)

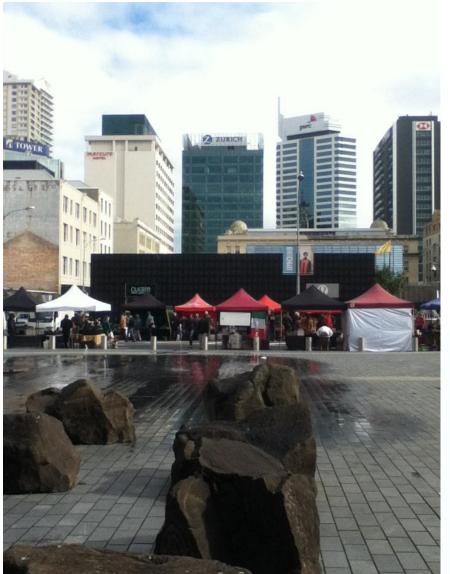
Future Plans



 Label and image TAC vs. sham cells for RyR and Cav 3

Discuss how to wrap up the last two weeks

Cultural Aspect





Multi-cultural food at the Britomart farmer's market, downtown





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- Christian Soeller Host Mentor
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