

Developing STAT5A Fluorescent Protein Fusions to Study the Effects of JAK-STAT Signaling on Pancreatic Beta Cell Proliferation

Bridge UnderGrad Science (BUGS) Summer Research Program







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Results: Co-localization of STAT5A and PRLR

Image STAT5A and PRLR with fluorescent proteins to study their location in live cells.





STAT5A and **PRLR** combined image



mNeonGreen

mCherry

- How does STAT5A expression change when we add the PRLR, in addition to prolactin and placental lactogen?

- Our contributions to the field of beta cell signaling can be used by other researchers to develop diabetes