

Beta Cell Interest Group (BIG) Seminar

Current and ongoing beta cell research is presented in this weekly seminar by faculty, postdoctoral fellows and students. If you are interested in attending the Beta Cell Interest Group (BIG) seminars and joining the BIG community, please contact [David Jacobson](#).

Keywords: [beta cell](#) [BIG](#)

[Expand](#)

Meeting Details

Start Date / Time	December 11, 2013 at 9:00 AM
End Date / Time	December 11, 2013 at 9:55 AM
Duration	55 minutes
Location	512 ight Hall
Presenter Name	Kayla Boortz (O'Brien)
Presentation Title	Exploring the Function of G6PC2 in Pancreatic Islet Beta Cells
Status	This meeting has already occurred

Meeting Agenda/Notes

I will be discussing my work relating to efforts to determine the function of G6PC2 in pancreatic islet beta cells. I will discuss prior work done in the lab that lead to the hypothesis that G6PC2 regulates fasting blood glucose levels and my recent discovery that glucocorticoids regulate G6PC2 promoter activity in both humans and mice. This observation provides the basis of my thesis work which will be focused on the hypothesis that induction of G6PC2 by glucocorticoids is a regulatory mechanism that is important for blunting insulin secretion under conditions of stress. My research will involve multiple different glucocorticoid experimental paradigms as well as a variety of experimental approaches in order to best assess the differences in glucose stimulated insulin secretion between *G6pc2* KO and WT mice.