

Beta Cell Interest Group (BIG) seminars

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](#).

Expand

Meeting Details

Start Date / Time	October 28, 2015 at 9:00 AM
End Date / Time	October 28, 2015 at 9:55 AM
Duration	55 minutes
Location	512 Light Hall
Presenter Name	Nicholas C. Vierra
Presentation Title	"Novel insights into the modulation of islet hormone secretion and metabolic homeostasis by the two-pore domain K ⁺ channel TALK-1"
Status	This meeting has already occurred

Meeting Agenda/Notes

The two-pore domain K⁺ channel TALK-1 is the most abundant K⁺ channel in the pancreatic islet, where it regulates β -cell excitability and insulin secretion. Interestingly, mice lacking TALK-1 channels are protected from diet-induced hyperglycemia and obesity. This presentation will focus on the function of TALK-1 channels in other endocrine cell types, and possible mechanisms by which TALK-1 channels participate in the pathogenesis of hyperglycemia and obesity.