

Beta Cell Interest Group (BIG) Talk

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: BIG beta cell

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Meeting Details

Start Date / Time	June 26, 2019 at 9:00 AM
End Date / Time	June 26, 2019 at 9:55 AM
Duration	55 minutes
Location	512 Light Hall
Presenter Name	Emily M. Walker (Stein lab)
Presentation Title	Insight into the roles of the MAFA and MAFB transcription factors in human β cells
Status	This meeting has already occurred

Meeting Agenda/Notes

Using model systems, we have found that MAFA and MAFB are required for human β cell development, maintenance of mature cell identity, and function, and/or contribute to type 2 diabetes. Initially, I will present data concluding that the S64F mutation in MAFA which causes diabetes in primarily male patients, is due to induction of premature aging and senescence in β cells. In addition, I will discuss how in collaboration with Matthias Hebrok's group at UCSF, we have found that MAFB is required for development and maintenance of β cells from pancreatic progenitor cells.