

Beta Cell Interest Group (BIG) Weekly 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](#).

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Meeting Details

Start Date / Time	May 1, 2013 at 9:00 AM
End Date / Time	May 1, 2013 at 10:00 AM
Duration	1 hour(s)
Location	512 Light Hall
Presenter Name	Mingyu Li (Chen lab)
Presentation Title	Title: Molecular mechanisms of overnutrition-induced β cell neogenesis in zebrafish
Status	This meeting has already occurred

Meeting Agenda/Notes

Overnutrition induces rapid β cell differentiation in larval zebrafish but how overnutrition is sensed and what factor(s) mediates the differentiation remain unknown. I will present data showing that persistent activation of β cell secretion and FGF1 are necessary for overnutrition-induced β cell differentiation. I will discuss a potential mechanism that links FGF1 secretion to persistent β cell activation.