

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](#)

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Meeting Details

Start Date / Time	January 15, 2014 at 9:00 AM
End Date / Time	January 15, 2014 at 9:45 AM
Duration	45 minutes
Location	512 Light Hall
Presenter Name	Kim Gooding Riley (Gannon)
Presentation Title	"Connective Tissue Growth Factor (CTGF) Enhances β -cell Regeneration"
Status	This meeting has already occurred

Meeting Agenda/Notes

My current research is focused on understanding how CTGF enhances β -cell regeneration after 50% β -cell ablation. I have observed that CTGF over-expression promotes partial restoration of β -cell mass, reaching 50% recovery after 4 weeks of CTGF treatment, primarily via increased β -cell proliferation. Thus, although normal adult β -cells are unresponsive to CTGF, it can induce replication in the unique islet micro-environment of β -cell destruction. My ongoing studies hope to address both the β -cell intrinsic and extrinsic changes in the islet following β -cell ablation that allow for CTGF responsiveness.