

Beta Cell Interest Group (BIG)

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](#) [Islet](#)

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Meeting Details

Start Date / Time	October 26, 2016 at 9:00 AM
End Date / Time	October 26, 2016 at 9:55 AM
Duration	55 minutes
Location	512 Light Hall
Presenter Name	Joseph Elsagr (Gannon (lab))
Presentation Title	"The Effects of In Utero High Fat Diet Exposure on the Endocrine Pancreas of the Offspring"
Status	This meeting has already occurred

Meeting Agenda/Notes

The Developmental Origins of Health and Disease Hypothesis states that the gestational environment influences adult disease risk and plays a role in disease etiology. Epidemiological studies have shown that maternal overnutrition increases the offspring's risk of metabolic disease later in life. My project aims to build on a foundation of studies describing how maternal diet influences the endocrine pancreas of the offspring. Specifically, I use both mouse and non-human primate models to investigate the effects of maternal high fat diet on islet cell distribution, mass, and function, as well as epigenetic changes that may play a role in disease susceptibility.