

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: Beta cell

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Meeting Details

Start Date / Time	September 27, 2017 at 9:00 AM
End Date / Time	September 27, 2017 at 9:55 AM
Duration	55 minutes
Location	512 Light Hall
Presenter Name	Leslie Roteta Sedgeman (Vicker's lab)
Presentation Title	Exploring the export mechanisms of pancreatic-originating HDL-microRNAs
Status	This meeting has already occurred

Meeting Agenda/Notes

A brief description of my work: microRNAs (miRNAs) are powerful regulators of glucose metabolism and function in many cell types to regulate cellular processes. miRNAs have also been found to be present in extracellular fluids: bound to lipoproteins, RNA-binding proteins, exosomes and microvesicles. Despite their potential as biomarkers and molecules in cell-to-cell communication, the cell-types and the mechanisms that control the release of miRNAs to HDL have not been elucidated. My work highlights that pancreatic beta cells contribute microRNAs, particularly miR-375, to HDL, and that this export is likely regulated by similar mechanisms that control insulin secretion from the beta cell.