

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](#).

Expand

Meeting Details

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| Start Date / Time | March 20, 2013 at 9:00 AM |
| End Date / Time | March 20, 2013 at 10:00 AM |
| Duration | 1 hour(s) |
| Location | 512 Light Hall |
| Presenter Name | Alessandro Ustione (Piston lab) |
| Presentation Title | "Studying the signaling of dopamine receptor D3 in the pancreatic β -cell" |
| Status | This meeting has already occurred |

Meeting Agenda/Notes

Dopamine functions as a paracrine/autocrine signal in the pancreatic islets, producing a tonic inhibition of glucose-stimulated insulin secretion. The dopamine receptor D3 is expressed in the islets, and its activation changes the intracellular calcium activity in the β -cell. In this talk I discuss the experiments designed to investigate the molecular mechanisms by which the dopamine receptor D3 causes these changes.