The Robert M. Berne Cardiovascular Research Center Presents

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Reeling in the mechanisms of pancreatic beta cell regeneration using zebrafish

Diabetes is the 7th leading cause of death in the US in large measure because it increases the risk of cardiovascular disease by up to four-fold. Replacement of destroyed insulin-producing pancreatic beta cells will be an essential component of a cure for diabetes. Using a zebrafish model, we have found that significant regeneration of beta cells occurs by multiple mechanisms, including neogenesis from endogenous progenitor cells and glucagon-dependent fate conversion of the closely related pancreatic alpha cells.

Thursday, January 22, 2015
11:00 AM-12:00 PM
MR5 1005

Hosted by: Dr. Coleen McNamara
Refreshments Served