Pilot and Feasibility Program Investigators
Diabetes Research Center – Baylor College of Medicine

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| **Pilot and Feasibility Program Investigators** |
| **Year** | **Name** | **Department** | **P&F Application Title** | **Type of P&F Research** |
| (2008-2012) | P&F Awardee's Name (Last Name, First Name) | at time of P&F award |  | Basic, Clinical, Translational [may use more than one term] |
| 2008-2009 | Yechoor, Vijay | Medicine | Engineering Autoimmune-resistant Lslet Neogenesis to Cure Type 1 Diabetes in NOD Mice | Basic diabetes |
| 2008-2009 | Dickinson, Mary | Molecular Physiology | Cellular and Molecular Targets of Diabetic Embryopathy | Basic diabetes |
| 2008-2009 | Lumpkin, Ellen | Neuroscience | The role of sensory innervation in healthy and diabetic pancreas | Basic diabetes |
| 2009-2010 | Pautler, Robia | Molecular Physiology | Radical Scavenging Carbon Materials as a Diabetes Treatment | Basic diabetes |
| 2009-2010 | Wehrens, Xander | Molecular Physiology | Role of CaMKII Phosphorylation of Ryanodine Receptor Type 2 in Insulin Secretion | Basic diabetes |
| 2009-2010 | Zhang, Pumin | Molecular Physiology | Functional Dissection of the Role of FTO in the Control of Body Weight | Basic diabetes |
| 2009-2010 | Yechoor, Vijay | Medicine | Disruption of the Circadian Molecular Clock Leads to β-cell Failure and Diabetes | Basic diabetes |
| 2010-2011 | Balyle, Joseph | Molecular Physiology | Evasion of the CTL and NK Cell Response to Transplanted Pancreatic Islets | Basic diabetes |
|  2010-2011 | Hommel, Jonathan | Pharmacology | Neuromedin U as an Innovative Target to Treat Metabolic Diseases | Basic diabetes |
| 2010-2011 | Samson, Susan | Medicine | Signaling and Transcription Factor 7-like 2 in the Beta Cell | Basic diabetes |
| 2010-2011 | Sun, Yuxiang | Pediatrics | Ghrelin Receptor in Obesity and Insulin Resistance during Aging | Basic diabetes |
| 2010-2011 | Xu, Yong | Pediatrics | Mechanisms for Estrogenic Regulation of Glucose Balance | Basic diabetes |
| 2011-2012 | Mitsiades, Nicholas | Medicine | Targeting The Contribution Of The Metabolic Syndrome In Cancer Progression: A Pilot Interventional Study Using Metformin And Simvastatin | Clinical diabetes |
| 2011-2012 | Feng, Qin | Molecular Cell Biology | Suppression of hepatic PPARα function by CARM1 | Basic diabetes |
| 2011-2012 | Li, Xiaotao | Molecular Cell Biology | REGγdeficiency protects against adiposity and improves insulin sensitivity in mice | Basic diabetes |
| 2012-2013 | Sahin, Ergun | Huffington Center On Aging | Role of Sirtunins in telomere-mediated metabolic disease |  |
| 2012-2013 | Chen, Wenhao | Medicine | Therapeutic potential of IL-21 blockade: reversal of overt type 1 diabetes in NOD mice by abrogating the persistent T-cell response to islets |  |
| 2012-2013 | Hu, Zhaoyong | Medinie | Low Irisin leads to obesity and insulin resistance in mice with muscle-specific ROCK1 activation |  |
| 2012-2013 | Hartig, Sean | Molecular Cell Biology | A Novel Axis Regulates Adipocyte Plasticity |  |
| 2012-2013 | Borowiak, Malgorzata | Ctr Stem Cell & Regen | Microenviroment in expansion and maturation of pluripotent stem cell derived human pancreatic progenitors |  |