Grants

**Active**

01/01/2016 – 12/31/2019  
NIH/NIDDK DP3 (Diabetes Impact Award)  
1DP3DK106933-01  
PI: K.K. Papas

**High Cell-Density Bioartificial Pancreas Enabled By Miniaturized Wearable Oxygen Generator**

08/01/2016-11/31/2016  
JDRF/ University of Arizona  
PI: K.K. Papas

Pairing of human stem cell derived beta-like cells with a high capacity, oxygen-enabled immunoisolation device.

08/01/2016-07/31/2019  
JDRF/ University of Arizona  
3-SRA-2016-254-S-B  
PI: K.K. Papas

**Retrievable high-capacity scaffolds for β-cell replacement therapy in humans**

06/01/2015 – 05/31/2018  
JDRF/ University of Arizona  
3-SRA-2015-40-Q-R  
PI: K.K. Papas

**Towards Clinical Translation of a High Density Encapsulation Device with Enhanced Oxygen Supply**

08/01/2014 – 07/31/2017  
JDRF/ University of Arizona  
3-SRA-2015-40-Q-R  
PI: K.K. Papas

**Oxygen Demand and Effects of Oxygenation on Neonatal, Juvenile, and Adult Porcine Islets in vitro and in vivo**

01/01/2016 – 12/31/2018  
Giner (Sub-NIH/NIDDK - SBIR Phase 2)  
1R44DK100999-01  
PI: L. Tempelman; Co-PI: K.K. Papas

**High-Density Bioartificial Pancreas Enabled by Implantable Oxygen Generator**
Recently Completed
04/01/2013 – 04/01/2015  JDRF/Innovative Grant (NCE)
5-2013-141  PI: K.K. Papas

Title: Enhanced O₂ Supply to Immunoisolated Islets

01/01/2014 – 12/31/2014  Giner (Sub-NIH/SBIR Phase 1)
1R43DK100999-01  PI: L. Tempelman; Co-PI: K.K. Papas (PI (sub): KK Papas)

High-Density Bioartificial Pancreas Enabled by Implantable Oxygen Generator