

The Artificial Pancreas Project

The JDRF Artificial Pancreas Project is an initiative to develop a “closed-loop” system that will integrate a mathematical algorithm, a continuous glucose sensor, and an insulin pump to automatically deliver insulin and/or glucose at the appropriate dose and time. Research indicates that an artificial pancreas could minimize high and low blood sugar level, which can cause a range of devastating medical complications, as well as seizures, coma, and even death. This research holds so much promise for children (and adults) with type 1 diabetes and serves as a bridge to the cure.

To date, JDRF has invested more than \$10 million in the project, achieving extraordinary progress in a short time frame. These preliminary successes have shown an artificial pancreas to be feasible, but the work needed to make it a reality is highly complex. To carry this life-altering project forward will require significant resources—we estimate at least \$50 million. JDRF has created the Artificial Pancreas Fund, specifically earmarked for projects that complete the Artificial Pancreas Project and deliver on our promise to change the lives of people with type 1 diabetes.

Tonight the Eastern Pennsylvania Chapter will offer its Promise Ball guests the opportunity to contribute to the Artificial Pancreas Fund and help advance this exciting and promising area of research. The Fund A Cure Auction take place immediately following the Live Auction and guests will be invited raise their bid cards at levels from \$100,000 to \$100, making a 100% tax-deductible contribution that directly funds JDRF’s outstanding researchers and scientists.

Please be a part of JDRF history by participating in the Fund A Cure Auction this evening. Your generosity will go a long way toward turning the hope of a cure into reality.

On behalf of the millions of children and adults living with type 1 diabetes, thank you!