

Facts

Research Funding Facts

JDRF's mission is to find a cure for diabetes through the support of research. JDRF is also committed to developing new and better treatments that improve the lives of people with type 1 diabetes in the near term and keep them healthy while we advance toward a cure.

- Since its founding in 1970 by parents of children with type 1 diabetes, JDRF has funded more than \$1.5 billion in research. In FY2010 alone, JDRF provided more than \$107 million for type 1 diabetes research.
- More than 80 percent of JDRF's expenditures directly support research and research-related education.
- In FY2010, JDRF funded research projects in 19 countries, including more than 40 human clinical trials.

JDRF's Research Goals

JDRF is committed to improving the lives of people with diabetes today and in the future. To achieve these goals, JDRF focuses on research that seeks to:

- Stop type 1 diabetes or slow its progression in people who are newly diagnosed
- Reverse type 1 diabetes, and prevent or reverse its complications, in those who have lived with the disease for years
- Prevent type 1 diabetes in people at risk and in future generations
- Improve treatment of type 1 diabetes and provide better tools to achieve tight glucose control for people at all stages of the disease

FY2010 JDRF Research Funding

Immune Therapies	\$32 million
Beta Cell Therapies	\$35 million
Glucose Control	\$23 million
Complications Therapies	\$17 million
Total	\$107 million

Therapeutic Areas

JDRF targets its research funding in two main areas:

Cure

Immune Therapies

This area focuses on ways to stop the immune system attack on the body's insulin-producing beta cells that causes type 1 diabetes. Within this area, JDRF is prioritizing antigen-specific therapies that would reverse the immune attack in type 1 diabetes without suppressing the entire immune system.

Beta Cell Therapies

This area aims to find ways to restore the body's ability to make insulin through the:

- Regeneration of insulin-producing beta cells (i.e. triggering the body to re-grow beta cells) and
- Replacement of the beta cells lost to diabetes

JDRF is prioritizing regeneration because of its potential to restore beta cell function in the largest number of people living with type 1 diabetes.

Treatment

Glucose Control

This area seeks to identify ways to dramatically improve blood glucose control while avoiding dangerous highs and lows in people at all stages of type 1 diabetes. JDRF is prioritizing the development of a closed loop artificial pancreas, a device combining glucose monitors and insulin pumps, to enable people to achieve tight blood sugar control and reduce their risk of complications. JDRF is also prioritizing the development of novel insulins that are glucose-responsive, faster-acting, easier to use, and more effective.

Complications Therapies

This area focuses on ways to free people from the devastating long-term complications that can accompany diabetes, including diseases of the eyes, nerves, and kidneys. JDRF is prioritizing research in complications protection, or new approaches to assess risk and block complications from developing and progressing.