



TREATMENT | BIOMEDICAL RESEARCH

Project: Expanding the drug toolbox for type 2 diabetes

Through donor support, Dr. Alexandre Caron, the Canada Research Chair in Neurometabolic Pharmacology, is investigating new treatments to prevent complications for people living with type 2 diabetes.

In healthy individuals, blood sugars are controlled by a hormone called insulin, which lowers blood sugar levels. For people with type 2 diabetes, they can no longer produce or use enough insulin to control their blood sugars, which can lead to health complications such as nerve damage, sight loss, heart disease, kidney failure, anxiety, amputations, and even death.

Dr. Caron is testing two potential new drug treatments to help control blood sugars and prevent complications. The first treatment is for women, which may require female hormones to be present in order to be effective. The second treatment is a combination of two small molecules, which may help people who are overweight or obese.

His work will help fill the gaps in our understanding of type 2 diabetes and enable new drug therapies to be developed.