



Universität
Basel

Research Project

Physiology of pro-inflammatory cytokines and islet resident immune cells in insulin secretion

Third-party funded project

Project title Physiology of pro-inflammatory cytokines and islet resident immune cells in insulin secretion

Principal Investigator(s) [Donath, Marc](#) ;

Organisation / Research unit

Departement Biomedizin / Diabetes Research (Donath)

Bereich Medizinische Fächer (Klinik) / Endokrinologie, Diabetologie und Metabolismus (Donath)

Department

Project start 01.04.2016

Probable end 31.03.2019

Status Completed

The deleterious role of chronic activation of the innate immune system in type 2 diabetes is well documented. However, little attention has been paid to a possible physiological role of the immune system in metabolism. The general objective of the present project is to uncover mechanisms on how the innate immune system contributes to the adaption of pancreatic islet function under various physiological and stressful (obesity and diabetes) situations.

Keywords Diabetes, Inflammation

Financed by

Swiss National Science Foundation (SNSF)

Add publication

Add documents

Specify cooperation partners