第79回　免疫学セミナーのお知らせ
Tsukuba Immunology Seminar

筑波大学医学セミナー

Translational research on pancreatic β-cells for the treatment of diabetes

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令和5年8月25日(金）16：00－18：00
健康医科学イノベーション棟105室

Abstract

The decline in β-cell mass due to the failure of β-cell compensation or the β-cell death is one cause of the development of both type 1 and type 2 diabetes. Therefore, elucidation of the mechanism by which an adaptive increase in β-cell mass through interorgan networks occurs in vivo will lead to the development of a cure for diabetes. The immune system is an emerging target as an important player in regulating β-cell function and mass. A remaining barrier for the treatment of human diabetes using β-cells is the differences between human and rodent islets. In this seminar, I will focus on the crosstalks between islets and other tissues that regulate adaptive β-cell proliferation for the treatment of diabetes considering the abovementioned issues.

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