

Beyond Insulin:

Innovative research in T1D prevention and cure



AUSTRALASIAN
TYPE 1 DIABETES
IMMUNOTHERAPY
COLLABORATIVE

Speaker's name: Professor Peter Senior

Seminar date: Friday, 28th February 2025, 1-2pm AEST

Seminar title: Composite Scores to Track Beta Cell Function - Lessons from Islet Cell Transplantation

Zoom link: <https://us02web.zoom.us/j/5056623028> **Passcode:** 230004

About the speaker: Dr. Peter Senior is the Director of the Alberta Diabetes Institute, the Charles A Allard Chair in Diabetes Research and a Professor of Medicine at the University of Alberta. He has clinical appointments as the Medical Director of the Clinical Islet Transplant Program and staff endocrinologist for Alberta Health Services, in Edmonton, Canada. His clinical and research interests focus on type 1 diabetes, hypoglycemia, diabetic kidney disease and islet transplantation. He has published more than 200 scientific articles.



Brief outline of seminar content: The BETA-2 score is a simple composite score based on a single fasting blood test that can estimate beta cell function in islet cell transplantation. It can be measured easily and frequently. It can assess islet engraftment and predicts long term islet function. More recently it has been applied in new onset type 1 diabetes where it parallels AUC C-peptide in MMTT, and thus might be useful to provide an early readout in phase 2 trials. Future work aims to integrate estimates of beta cell function with CGM data and clinical end-points.

For more information about the seminar series, please contact Michelle So mso@svi.edu.au