

Beyond Insulin:

Innovative research in T1D prevention and cure



AUSTRALASIAN
TYPE 1 DIABETES
IMMUNOTHERAPY
COLLABORATIVE

Speaker's name: Maria J. Redondo, MD, PhD

Seminar date: Friday, 23rd February 2024, 1-2pm AEST

Seminar title: Using Type 1 Diabetes Genetic Risk Scores for Prediction and Diagnosis of Type 1 Diabetes

Zoom connection details: <https://us02web.zoom.us/j/5056623028>

About the speaker: Dr Redondo is a Professor of Pediatrics at Baylor College of Medicine, in Houston, Texas, US. She obtained her medical degree at the Universidad Autónoma de Madrid, Spain. She completed her training in Endocrinology and Diabetes in Madrid, and her fellowship in pediatric endocrinology at the Barbara Davis Center for Childhood Diabetes in Denver, Colorado, US. Dr Redondo joined the Pediatric Diabetes and Endocrinology Section at Texas Children's Hospital in January 2010. Dr Redondo's NIH-funded research focuses on using genetics to predict type 1 diabetes, select candidates for prevention trials, classify pediatric diabetes; and rare forms of diabetes.



Brief outline of seminar content: Genetics improves the prediction of type 1 diabetes (T1D), particularly in the early stages of the pre-clinical disease, and can identify the individuals who will benefit the most from prevention treatments. We have started to develop a tool to facilitate the use of genetic information by clinical researchers and practitioners. We are also interested in using genetics to help classify diabetes type in children with unclear forms of diabetes, study rare forms of diabetes, and increase our understanding of the heterogeneity of diabetes, with the ultimate goal of applying precision medicine in diabetes.

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