

Beyond Insulin:

Innovative research in T1D prevention and cure



AUSTRALASIAN
TYPE 1 DIABETES
IMMUNOTHERAPY
COLLABORATIVE

Speaker's name: Professor Natasha Rogers

Seminar date: Thursday, 23rd November 2023, 1-2pm AEST

Seminar title: CD47 – more than just a receptor on islets

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

About the speaker: Natasha is a Senior Staff Specialist in Nephrology, Head of Transplantation at Westmead Hospital, and Director of the Clinical Islet Transplant Program at Westmead. She is Professor of Nephrology and Transplantation at the University of Sydney where she is a

NHMRC emerging leader fellow. She runs a basic science research laboratory at the Westmead Institute for Medical Research, focusing on matrix biology in cell injury responses, with a particular interest in thrombospondin-1 and CD47.



Brief outline of seminar content: CD47 is a universally expressed cell surface receptor. CD47 regulates cellular stress responses, including oxidative damage, self-renewal, inflammation, and cell death pathways

which are all implicated in the pathogenesis of diabetes. Natasha and her lab have discovered a new role for CD47 on islets as a tonic inhibitor of insulin secretion.

This seminar will summarise findings from this recent discovery.

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