Beyond Insulin:
Innovative research in T1D prevention and cure

AUSTRALASIAN TYPE 1 DIABETES IMMUNOTHERAPY COLLABORATIVE

Speaker's name: Professor David O'Neal

Seminar date: Friday June 26, 2026 – 1-2pm AEST

Seminar title: Novel approaches to metabolic control in diabetes: Multianalyte Sensing and Gene Therapy

Registration link: Register here

About the speaker: Professor David O'Neal is a clinician researcher and Professor in the Department of Medicine at the University of Melbourne, with a primary research focus on type 1 diabetes and diabetes technology. His work centres on advancing innovative approaches to glucose monitoring, insulin delivery, and metabolic management, including closed-loop systems and novel sensing technologies. He leads multiple clinical research projects spanning translational and applied studies aimed at improving outcomes for people living with diabetes.

Brief outline of seminar content: This seminar will present two complementary approaches to improving blood glucose control in diabetes. The first will explore multianalyte sensing technologies and how integrating additional physiological signals beyond glucose may enhance precision and responsiveness in diabetes management. The second will examine emerging gene therapy strategies targeting underlying disease mechanisms to provide more durable or potentially curative outcomes. Together, these approaches highlight novel directions in diabetes care that move beyond insulin alone, with potential to transform management and improve long-term outcomes.

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