The Artificial Pancreas: Past, Present and Future

Dr Helen Murphy
Honorary Consultant/Senior Research Associate
University of Cambridge Metabolic Research Laboratories and NIHR Cambridge Biomedical Centre

Thursday 23 August
12.30pm to 1.30pm

VENUE:
Rural Clinical School – Mersey Seminar Room 1

VIDEOCONFERENCE TO:
• Burnie Multi A
• Other sites state wide as specified on the website registration page or by request.

RSVP: RCS Reception
Phone: 6430 4550
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Website: http://www.utas.edu.au/rural-clinical-school/events

Dr Murphy’s research has highlighted the gap that currently exists between the expectations of good blood glucose control and the realities of actually achieving it, particularly in type 1 diabetes. Newer closed-loop insulin delivery systems, the so-called artificial pancreas, aim to bridge this gap. Closed-loop systems link real-time continuous glucose monitoring with fully or semi-automated insulin pump delivery via an adaptive control algorithm to control glucose levels. Helen will review the recent progress and future challenges of closed-loop systems.

Dr Murphy completed her specialist training in diabetes and endocrinology in Australia and New Zealand. She is currently a clinician scientist based at the University of Cambridge Metabolic Research Laboratories and combines clinical and research interests focusing on technological advances in type 1 diabetes.