

9:00am	Registration opens/ Light refreshment
9:30am	<b>Prof. Bernie Tuch - NSW Stem Cell Network</b> Welcome
<b>Session 1</b>	<b>Developmental Biology</b> <b>Chair: Prof. Patrick Tam (Children's Medical Research Institute)</b>
9:35am	<b>Dr Jacqui Schiesser (Murdoch Children's Research Institute)</b> Topic: Creation of immature Beta Cells from human pluripotent stem cells.
10:00am	<b>Dr Kfir Molakandov (Kadimastem Ltd, Israel)</b> Topic: Creation of mature Beta Cells from human pluripotent stem cells.
10:30am	Morning tea
<b>Session 2</b>	<b>Function of Beta Cells</b> <b>Chair: Prof. Tom Kay (St Vincent's Institute of Medical Research)</b>
11:00am	<b>Prof. Doug Melton (Harvard Stem Cell Institute)</b> Topic: Function in vivo of matured human Beta Cells derived from pluripotent stem cells.
11:30am	<b>Prof. Allan Karlsen (Novo Nordisk)</b> Topic: Safety of using stem cell derived Beta Cells.
12:00pm	<b>Dr Itai Pelled (Beta-O2)</b> Topic: Function of Beta Cells nourished by oxygen supplied externally
12:30pm	Lunch session
<b>Session 3</b>	<b>Immunoisolation Device for Delivery</b> <b>Chair: Associate Professor Tim Dargaville (Queensland University of Technology)</b>
1:30pm	<b>Prof. Bernie Tuch (Australian Foundation for Diabetes Research)</b> Topic: Micro encapsulation of Beta Cells inside 3D Scaffold.
1:55pm	<b>Prof. Patrick (Toby) Coates (University of Adelaide)</b> Topic: 3D printing of islet cells.
2:20pm	<b>Dr Tom Loudovaris (St Vincent's Institute of Medical Research)</b> Topic: Macro encapsulation of Beta Cells.
2.45pm	Afternoon tea
<b>Session 4</b>	<b>Panel Discussion</b> <b>Chair: Prof. Toby Coates (University of Adelaide)</b>
3:20pm	<b>All previous speakers</b> Topic: Cell Therapy for the masses without Immunosuppression
4:00pm	Refreshments / Networking