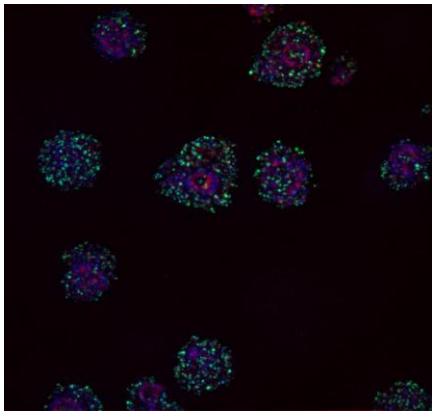
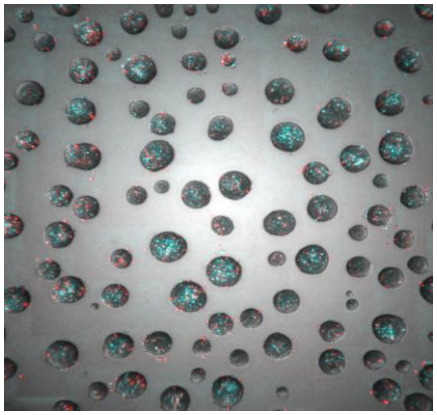
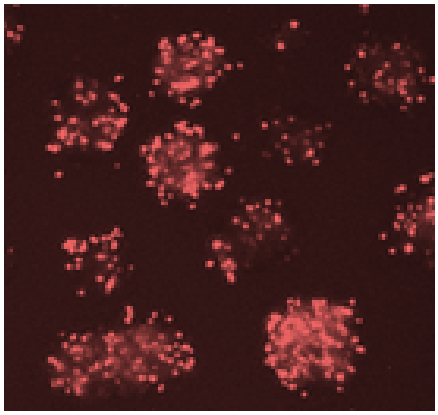
Functional High Throughput Technologies Australia

Organoid Nexus 2025: Application Workflow from Production to Practice

When: November 21, 2025
Time: 8:45 arrival for 9:00 start, concludes at 17:00
Where: Bio21 Institute, 30 Flemington Rd, Parkville VIC
Attendance: In-person only

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Program

Organoids represent a revolutionary approach to biomedical research and are becoming recognised as a potential tool for personalised medicine. This meeting focuses on the organoid workflow, integrating multiple stages from organoid production and expansion, through assay development and high-throughput screening, to advanced data analysis. A well-designed workflow ensures reliability, scalability, and meaningful biological interpretation, driving the translation of organoid-based discoveries into clinical and therapeutic applications.

Welcome	
8:45-9:00	**Registration** **Tea and coffee on arrival**
9:00-9:05	*Conference Welcome and Housekeeping* ***Twishi Gulati***
9:05-9:45	**Session 1: Generation of organoids**
Chairs	**Alison Ferguson and Louise Winteringham**
	3D Culture Facility **Alison Ferguson, University of New South Wales**
	Title TBC **Dongli Liu, University of New South Wales**
	Translational Cancer Research Program **Louise Winteringham, Harry Perkins Medical Research Institute**
	Title TBC **Selected speaker 2, University/ Institute**
	Open discussion
	Scientifix
9:45-10:30	**Session 2: Characterisation of organoids**
Chairs	**Jacek Kolanowski and Thierry Jarde**
	Innovation Centre **Jacek Kolanowski, Victor Chang Cardiac Research Institute**
	Title TBC **Cong Nguyen, University of New South Wales**
	Monash Organoid Program **Thierry Jarde, Monash University**
	Title TBC **Harriet Fitzgerald, Monash University**
	Open discussion
	Corning Life Sciences
10:30-11:00	**Morning Tea (and 3 minute Sartorius)**
11:00-11:45	**Session 3: Optimisation of organoids for screening**
Chairs	**Cedric Bardy and Nathan Godde**
	Brain Organoid Therapeutics

	Cedric Bardy, South Australia Health and Medical Research Institute
	Title TBC
	Fiona Bright, South Australia Health and Medical Research Institute
	Australian Organoid Facility
	Nathan Godde, University of Queensland
	Title TBC
	Michael Leitner, QIMR Berghofer Medical Research Institute
	Open discussion
	Inventia
11:45-12:30	**Session 4: Organoid screening**
Chairs	**Amee George and Tim Failes**
	ANU Centre of Therapeutic Discovery
	Amee George, Australian National University
	Title TBC
	Selected speaker 7, University/ Institute
	Drug Discovery Centre
	Tim Failes, Children's Cancer Institute Australia
	Title TBC
	Philipp Graber, Children's Cancer Institute Australia
	Open discussion
	Thermo Fisher
12:30-13:30	**Lunch (and 3 minute Bio Strategy-DKSH)**
13:30-14:15	**Session 5: Screening analysis**
Chairs	**Ben Dwyer and Mark Li**
	Patient derived organoid platform
	Ben Dwyer, Curtin University
	Title TBC
	Selected speaker 9, University/ Institute
	Victorian Centre for Functional Genomics
	Mark Li, Peter MacCallum Cancer Centre
	Title TBC
	Nicholas Choo, Monash University
	Open discussion
	Tecan
14:15-15:00	**Session 6: Technical challenges in organoid screening**
Chairs	**Alejandro Hidalgo-Gonzalez and Anai Gonzalez-Cordero**
	Stafford Fox Drug Discovery Facility
	Alejandro Hidalgo-Gonzalez, Murdoch Children's Research Institute
	Title TBC

	Selected speaker 11, University/ Institute
	Stem Cell & Organoid Facility **Anai Gonzalez-Cordero, Children's Medical Research Institute**
	Title TBC **Andrea Perez-Iturralde, Children's Medical Research Institute**
	Open discussion
	Vendor presentation
15:00-15:30	**Afternoon Tea (and 3 minute vendor presentation)**
15:30-17:00	**Session 7: Towards a national vision for organoid screening**
Chair	**Kaylene Simpson and Twishi Gulati**
~7 min	**Short talks from selected abstracts (x 8)**
10 min	**Open discussion**
3 min	**Phenomics Australia and Therapeutic Innovation Australia (NCRIS)**
15 min	**Future of organoid screening – open discussion**
17:00	**Conference concludes**