Symposium Program

DAY 1: Thursday 24th May:

8.30am – 8.50 am

REGISTRATION	Coffee/Tea	

8.50am – 9.00 am

	Andrew Szentirmay	Welcome

9.00am – 10.30am

Session: NEW Technologies & How Molecular Diagnostics is Changing

	Carl Wittwer	*New Technologies & the Future of Molecular Diagnostics*
	Dar Bin-Shieh	*The photonics-based sequence specific DNA scission and enrichment*
	Gert de Vos	*THE BEAUTY OF SIMPLICITY: Towards an ultra- fast system for PCR in microtiter plate format*

Morning Tea Break:

11.00am – 1.00pm

Session: NGS/droplet digital PCR in the Clinical Environment

	Michael Pfaffl	*Exosomal biomarkers in Clinical Diagnostics – How to optimize micro-vesicle purification and microRNA sequencing in sepsis patients*
	Ben Lundie	*Clinical Validation of CNV Analysis of All Size Ranges from Whole Genome Sequencing. Data provides Unprecedented Resolution & Sensitivity*
	Bing Yu	*Explore the potential of cfDNA for Cancer Patients*
	Pei Ding	*Blood-based testing in monitoring for treatment response and outcome for patients with advanced EGFR-mutated lung cancer.*

Lunch Break

2.00pm – 4.00 pm

Session: Vet/Agri/Aqua - Molecular Diagnostics

	Shauna Murray	*Rapid qPCR assays for on-site harmful algal detection in the aquaculture industry.*
	John Mackay	*Development of a dual target qPCR assay for American Foulbrood in bees, honey, and hives.*
	Ian Marsh/Katie Eager	*Molecular diagnostics from the veterinary laboratory perspective, to sequence or not to sequence.*

Opportunity to attend the 3.00 PM Free Flight Bird Show

Afternoon Tea Break

4.30pm – 6.00pm

Session: qPCR Data Analysis 1

	Jan Ruijter	*Analysis of qPCR Data: A History of Biased Simplification*
	Michael Pfaffl	*MIQE Challenges & Solutions: The use of efficiency corrected relative Quantification Models (REST) for Transcriptional Biomarker Discovery.*

CONFERENCE DINNER AT RIPPLES CHOWDER BAY 7.00 PM

DAY 2: Friday 25th May:

8.30am – 9.00am

REGISTRATION	Coffee/Tea

9.00am – 10.30am

Session: qPCR Data Analysis 2

	Brant Bassam	*RT (Reverse Transcription): The Elephant in the PCR Room*
	Jan Ruijter	*Current Issues of qPCR Data Analysis*

Morning Tea Break

11.00am – 1.00pm

Session 2: Cancer Diagnostics & Measuring Residual Disease

	Alex Dobrovic	*Droplet Digital PCR - what's old, what's new.*
	Jenny Lee	*Clinical application of circulating tumour DNA in melanoma: from digital droplet PCR to next generation sequencing and beyond.*
	Katie Meehan	*The potential of Exosomes in Cancer Research*

Lunch Break

2.00pm – 4.0pm

Session: NGS/qPCR/Melting Analysis & 3 Base PCR in Diagnostics

	Carl Wittwer	*Extreme PCR & High-Speed Melting*
	Ruiting Lan	*Application of Next Generation Sequencing to outbreak investigations*
	John Melki	*3base™ technology and application for fast PCR detection of antibiotic resistance*
	Yizhou Chen	*Insecticide resistance monitoring with qPCR and next generation sequencing.*

Opportunity to attend the 3.00 pm Free Flight Bird Show:

Afternoon Tea Break

4.00pm – 5.00pm

Session: Discussion FORUM

	Hosted by Alex Dobrovic	*Panel Discussion – Limit of Detection (LOD): What does it mean and why is it relevant?*

END OF MEETING

LIGHT, MUSIC & IDEAS

VIVID SYDNEY

25 May - 16 June 2018

Thank you for making Vivid Sydney 2017 great!
Check out the full list of highlights below

💡 Light   🎵 Music   🧠 Ideas