

Symposium Program

DAY 1: Thursday 24th May:

8.30am – 8.50 am

REGISTRATION Coffee/Tea

8.50am – 9.00 am

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|-------------------|---------|
| Andrew Szentirmay | Welcome |
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9.00am – 10.30am

Session: **NEW Technologies & How Molecular Diagnostics is Changing**

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|----------------|---|
| Carl Wittwer | <i>New Technologies & the Future of Molecular Diagnostics</i> |
| Dar Bin-Shieh | <i>The photonics-based sequence specific DNA scission and enrichment</i> |
| Dale Levitzke | <i>FluxPCR™: An Introduction to a new digital quantitative polymerase chain reaction (dPCR) Technology.</i> |
| Brenda Alqarni | <i>Recombinase Polymerase Amplification: Moving towards POCD</i> |

Morning Tea Break:

11.00am – 1.00pm

Session: **NGS/droplet digital PCR in the Clinical Environment**

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|----------------|--|
| Michael Pfaffl | <i>Exosomal biomarkers in Clinical Diagnostics – How to optimize micro-vesicle purification and microRNA sequencing in sepsis patients</i> |
| Katie Meehan | <i>The potential of Exosomes in Cancer Research</i> |
| Ben Lundie | <i>Clinical Validation of CNV Analysis of All Size Ranges from Whole Genome Sequencing. Data provides Unprecedented Resolution & Sensitivity</i> |

Lunch Break

2.00pm – 3.30pm

Session: **Cancer Diagnostics & Measuring Residual Disease**

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|---------------|---|
| Bing Yu | <i>Explore the potential of cfDNA for Cancer Patients</i> |
| Alex Dobrovic | <i>Droplet Digital PCR - what's old, what's new.</i> |
| Jenny Lee | <i>Clinical application of circulating tumour DNA in melanoma: from digital droplet PCR to next generation sequencing and beyond.</i> |
| Pei Ding | <i>Blood-based testing in monitoring for treatment response and outcome for patients with advanced EGFR-mutated lung cancer.</i> |

Opportunity to attend the 3.00 PM Free Flight Bird Show



Afternoon Tea Break

4.00pm – 6.00pm

Session: qPCR Data Analysis 1

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

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

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|--------------|---|
| Brant Bassam | <i>RT (Reverse Transcription): The Elephant in the PCR Room</i> |
| Jan Ruijter | <i>Current Issues of qPCR Data Analysis</i> |

Morning Tea Break

11.00am – 1.00pm

Session 2: Veterinary Molecular Diagnostics

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|-----------------------|---|
| Shauna Murray | <i>Rapid qPCR assays for on-site harmful algal detection in the aquaculture industry.</i> |
| John Mackay | <i>Development of a dual target qPCR assay for American Foulbrood in bees, honey, and hives.</i> |
| Ian Marsh/Katie Eager | <i>Molecular diagnostics from the veterinary laboratory perspective, to sequence or not to sequence.</i> |
| Rebecca Traub | <i>Quantitative real-time PCR as tool for informing soil-transmitted helminth control programs in the Asia Pacific.</i> |

Lunch Break

2.00pm – 4.0pm

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

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

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



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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

The image is a promotional banner for Vivid Sydney 2018. It features a night-time view of the Sydney Harbour Bridge and the Sydney Opera House, both illuminated with colorful lights. The text 'vivid SYDNEY' is prominently displayed in the center, with 'vivid' in a large, white, lowercase font and 'SYDNEY' in a smaller, uppercase font to its right. Above 'vivid' is the tagline 'LIGHT, MUSIC & IDEAS'. Below the main title, the dates '25 May - 16 June 2018' are listed. A message of gratitude reads 'Thank you for making Vivid Sydney 2017 great!' followed by 'Check out the full list of highlights below'. At the bottom, there are three buttons: 'Light' with a lightbulb icon, 'Music' with a musical note icon, and 'Ideas' with a brain icon. In the top right corner, there are links for 'Sign up' and 'Login', and social media icons for Facebook, Twitter, Instagram, and a accessibility icon.