

Introductory Short Course Genomics & Molecular Pathology

Friday 11 – Sunday 13 October 2019 Melbourne

Friday 11 October – Conference Hall 1 & 2 Level 2	Saturday 12 October - Conference Hall 1 & 2 Level 2
<p><i>Registrations open 8.15 am</i> <i>9.00am - 10.30am Chair: Janice Fletcher</i></p> <p>Topic: Introduction to genomic architecture (genes and genomic variation) <i>Speaker: Edwin Kirk</i></p> <p>Topic: Inheritance models (constitutional and somatic changes) <i>Speaker: Dimitar Azmanov</i></p> <p>Topic: Epigenetics <i>Speaker: Luke Hesson</i></p>	<p><i>9.00 am - 10.30am Chair: Leslie Burnett</i></p> <p>Topic: <i>NGS</i> <i>Speaker: Melanie Galea</i></p> <p>Topic: <i>Mosaicism</i> <i>Speaker: Mac Gardner</i></p> <p>Topic: <i>Microarrays</i> <i>Speaker: Eric Lee</i></p>
10.30am – 11.00am - Morning tea – Conference Hall Foyer	
<p><i>11.00am - 12.30pm Chair: Edwin Kirk</i></p> <p>Topic: Overview of tools for genetic testing: including cytogenetics and microarray <i>Speaker Marina Berbic</i></p> <p>Topic: PCR-based analysis (including digital droplet and real-time) and Sanger sequencing including quality measures <i>Speaker: Dimitar Azmanov</i></p> <p>Topic: What to test: sample types, nucleic acid preparation methods and quality assessment <i>Speaker: Bing Yu</i></p>	<p><i>11.00am - 12.30pm Chair: Eric Lee</i></p> <p>Topic: Bioinformatics primer <i>Speaker: Karin Kassahn</i></p> <p>Topic: <i>Genome informatics</i> <i>Speaker: Gareth Price</i></p> <p>Topic: Clinical and disease-specific databases, normal population variations <i>Speaker: Leslie Burnett</i></p>
12.30pm – 1.30pm – Lunch - Conference Hall Foyer	
<p><i>1.30pm - 3.00pm Chair: Bing Yu</i></p> <p>Topic: Choosing the right test <i>Speaker: Meg Wall</i></p> <p>Topic: Regulatory requirements (including choosing the right lab) <i>Speaker: Leslie Burnett</i></p> <p>Topic: Introduction to ethics of genetic testing in Australia (vs USA) <i>Speaker: Julie McGaughran</i></p>	<p><i>1.30pm - 3.00pm Chair: Dimitar Azmanov</i></p> <p>Topic: Genetic testing in solid tumours including colorectal cancer <i>Speaker: Eric Lee</i></p> <p>Topic: Renal diseases <i>Speaker: Amali Mallawaarachchi</i></p> <p>Topic: Neuromuscular diseases <i>Speaker: Kathryn Friend</i></p>
3.00pm – 3.30pm - Afternoon tea - Conference Hall Foyer	
<p><i>3.30pm - 5.00pm Chair: Meg Wall</i></p> <p>Topic : <i>Constitutional – Cardiomyopathy</i> <i>Speaker: Jodie Ingles and Julie McGaughran</i></p> <p>Topic: <i>Familial cancer - breast</i> <i>Speaker: Judy Kirk</i></p>	<p><i>3.30pm - 5.00pm Chair: Melanie Galea</i></p> <p>Topic: <i>Variant classification workshop</i> <i>Speaker: Karin Kassahn assisted by: Melanie Galea and Dimitar Azmanov</i></p>
<p><i>5.00pm - 7.00pm Welcome drinks</i> <i>Conference Hall Foyer</i></p>	

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<p>Sunday 13 October Level 1 M11 Genetic Pathology & Chemical Pathology – Janice Fletcher & Melanie Galea</p>	<p>Sunday 13 October Level 1 M15 Haematology – Meg Wall</p>	<p>Sunday 13 October Level 1 M12-13 Anatomical Pathology – Sandra O’Toole</p>	<p>Sunday 13 October Level 1 M14 Immunopathology – Melanie Wong</p>
<p>9.00am - 10.30am Chair Janice Fletcher Topic: Illustrative case: Genotyping that influences prescribing <i>Speaker: Ron Trent</i></p> <p>Topic: Circulating tumour DNA <i>Speaker: Rick McCoy</i></p> <p>Topic: Non-invasive pre-natal testing <i>Speaker: Tristan Hardy</i></p>	<p>9.00am - 10.30am Chair Meg Wall Topic: Cancer cytogenetics and microarray <i>Speaker: Sarah Moore</i></p> <p>Topic: Thalassemia and sickle cell disease <i>Speake: Zane Kaplan</i></p> <p>Topic: Bleeding disorders <i>Speaker: Will Stevenson</i></p>	<p>9.00am - 10.30am Chair Sandra O’Toole Topic: Molecular neuropathology <i>Speaker: Michael Buckland</i></p> <p>Topic: Molecular pathology of melanoma <i>Speaker: Richard Scolyer</i></p> <p>Topic: Breast molecular pathology <i>Speaker: Sandra O’Toole</i></p>	<p>9.00am - 10.30am Chair Melanie Wong Topic: Approach to genetic testing for severe combined immunodeficiency <i>Speaker: Melanie Wong</i></p> <p>Topic: Getting bang for your buck – which patients are more likely to have undiagnosed immune deficiency in adults <i>Speaker: Vanessa Bryant</i></p> <p>Topic: Diagnosing auto-inflammatory diseases and the pathways involved. <i>Speaker: Seth Masters</i></p>
<p>10.30am – 11.00am - Morning tea – Promenade Foyer South Level 1</p>			
<p>11.00am - 12.30pm Chair Janice Fletcher Topic: Genetics of endocrine disease <i>Speaker: Sunita de Sousa</i></p> <p>Topic: Functional testing in inborn errors of metabolism <i>Speaker: Janice Fletcher</i></p> <p>Topic: Carrier Testing - MacKenzies Mission <i>Speaker: Martin Delatyckl</i></p>	<p>11.00am - 12.30pm Chair Meg Wall Topic Leukemia in children and adults <i>Speaker: Piers Blombery</i></p> <p>Topic: Germline predisposition to haematologic malignancy <i>Speaker: Lucy Fox</i></p> <p>Topic: Genomic testing for management of lymphoma <i>Speaker: Rishu Agarwal</i></p>	<p>11.00am - 12.30pm Chair Sandra O’Toole Topic: Setting up and delivering molecular NGS testing <i>Speaker: Vivek Rathi (1 hour)</i></p> <p>Topic: Large diagnostic panels - challenges and opportunities <i>Speaker: Stephen Fox (30 mins)</i></p>	<p>11.00am - 12.30pm Chair Melanie Wong Topic: Genomic and functional testing for atypical HUS and complement disorders <i>Speaker: Theo de Malanche</i></p> <p>Topic: Targeted testing for risk factors - coeliac disease, HLA associations and autoimmune testing <i>Speaker: David Gillis</i></p> <p>Topic: HIV viral load and resistance testing <i>Speaker: Frederick Lee</i></p>
<p>12.30pm – 1.15pm - Lunch – Level 2 Conference Hall Foyer</p>			
<p>1.15pm - 3.00pm Chair Melanie Galea Conference Hall 1 & 2 Level 2</p> <p>Topic: Fetal Autopsy <i>Speaker: Chris Barnett</i></p> <p>Topic: Lung Cancer Case <i>Speaker: Vivek Rathi</i></p> <p>CLOSE</p>			