Pathology Update 2018
A Bridge to the Future

Scientific & Social Final Program
2 - 4 March 2018
International Convention Centre, Sydney

www.rcpa.edu.au/Events/Pathology-Update
Pathology Update 2018 Registration Desk Hours

Friday 2 March 2018: 8.00am - 5.00pm
Saturday 3 March 2018: 8.00am - 4.00pm
Sunday 4 March 2018: 7.30am - 3.00pm

Speakers Preparation Room: The Gallery Level 2

RCPA Media Room: Level 2 - Business Suite 2
Please ask for a RCPA staff member to escort you.

RCPA Annual Admission of New Fellows and Awards Ceremony Robing Rooms:
C2.5 & C2.6

Industry Exhibition: The Gallery Level 2

Scientific Sessions: Pyrmont Theatre, Level 2 and 3

The Pathology Update 2018 Scientific and Social Final Program is correct at the time of print on Monday 29 January 2018
Pathology Update 2018 Conference
Mobile App sponsored by Sectra

To download the full scientific program, speaker biographies and abstracts please Search the Apple or Google Play stores for ‘RCPA’ and download to access the Pathology Update 2018 App.

Windows Phone users will need to access our Web App, available

https://rcpapu18.entegyapp.com/
We welcome you to Pathology Update 2018 - A Bridge to the Future

On behalf of the College Council, Pathology Update 2018 Overseeing Committee and the Scientific Program Committees, it is with great pleasure that we welcome you back to the new International Convention Centre, Sydney, for what promises to be an exciting three days of cutting edge research and updates in your discipline.

The scientific committees have worked extremely hard to develop an interesting, informative and entertaining program, and we hope we have managed to provide “something for everyone” – including fellows, trainees, scientists, and other healthcare workers.

Pathology Update aims to be the best Australasian pathology multi-disciplinary scientific meeting.

We would like to thank all our speakers for their hard work in preparing their presentations – we couldn't do it without you! We are proud to be hosting over one hundred and forty local and thirteen international speakers who are leaders in their fields over a busy three - day scientific program. We are pleased to advise we have over one hundred and eighty abstracts that have been accepted for the Roche Scientific Poster Display. We thank Roche for their ongoing commitment to Pathology Update and education.

As well as enjoying the scientific sessions, please make the most of the opportunity to meet with colleagues and share issues of interest. Make new friendships and renew old ones at the Welcome Cocktail Party amongst the Industry Exhibition sponsored by DiaSorin and we encourage you to attend the RCPA Annual Admission of New Fellows and Awards Ceremony and the Soiree that will follow.

Thank you to all our sponsors and exhibitors. This meeting could not take place without their continued financial support and we ask you to acknowledge their support by visiting all the booths in The Gallery. Thank you for your loyalty and supporting our profession. We recognise the continued support of the Lead Partner - The Department of Health and all the Major and Supporting Partners who have all shown continued commitment to the profession by their support for this meeting.

Finally we want to congratulate the Chair and the Members of the eight Scientific Program Committees that coordinated the program for Pathology Update 2018. Many Members of the Scientific Program Committees have been volunteering for over a decade.

A/Prof Bruce Latham
President

Dr Jan Kencian
Chair, Overseeing Committee
Pathology Update 2018 Overseeing & Scientific Program Committees

Pathology Update 2018 Overseeing Committee

Dr Jan Kencian - Chair  
Dr Tony Badrick  
Dr Damien Bruno  
A/Prof Kevin Carpenter  
Mrs Debbie Deston  
Dr Michael Dray  
Dr Debra Graves  
Dr Neil Lambie  
Dr Daniel Kirkpatrick  
Mr Wayne Mathews  
Dr Ben McGettigan  
Dr Angie Pinto  
Ms Eve Propper  
Dr Wendy Pryor  
Dr Bronwen Ross  
Dr Helen Wordsworth

Pathology Update 2018 Scientific Program Committees

Anatomical Pathology  
A/Prof Chris Hemmings - Chair  
Dr Brooke Beardsley  
Dr Inny Busmanis  
Dr Amanda Charlton  
A/Prof Margaret Cummings  
Dr Laveniya Satgunaseelan  
Dr Victoria Yachmenikova

Chemical Pathology  
A/Prof Chris Florkowski - Chair  
Dr Tony Badrick  
Dr Cherie Chiang  
Dr Penelope Coates  
Dr Chris Farrell  
Prof Rita Horvath  
Dr Que Lam  
Dr Alan McNeil  
Mr Greg Ward

Clinical Forensic Medicine  
Dr Sanjeev Gaya- Chair  
Dr Maria Nittis

Forensic Pathology  
A/Prof Neil Langlois - Chair  
Dr Brian Beer  
Dr Alanah Buck  
Dr Clive Cooke  
Prof Jo Duflo  
Dr Rebecca Irvine  
Dr Dianne Little  
A/Prof Charles Naylor  
Dr Sarah Parsons  
A/Prof David Ranson  
Dr Simon Stables  
Prof Noel Woodford

Genetic Pathology  
Dr Janice Fletcher - Chair  
Dr Melody Caramins  
Prof John Christodoulou  
A/Prof Rory Clifton- Bligh  
A/Prof Marcel Dinger  
Dr Andrew Fellowes  
Dr James Harraway  
Prof Rodney Scott  
Prof Hamish Scott  
Prof David Thorburn  
Ms Vanessa Tyrell

Haematology  
Dr James D’Rozario- Chair  
Dr Rebecca Adams  
Dr Alessandra Bianchi  
Dr Timothy Brighton  
Dr Amanda Davis  
Dr Sara Hall  
Dr Yasmin Harvey  
Dr Chris Hogan  
Dr Sueh-li Lim  
Dr Huong Phan  
Prof John Rasko

Immunopathology  
Dr Katrina Randall - Chair  
A/Prof Stephen Adelstein  
Dr Sharon Choo  
Dr Elizabeth Da Silva  
Dr David Gillis  
Dr Tiffany Hughes  
Dr Ben McGettigan  
Dr Michael O’Sullivan  
Prof Mimi Tang

Microbiology  
Dr Harsha Sheorey - Chair  
A/Prof Sharon Chen  
Prof Monica Lahra  
Dr Chris Mansell  
Dr Arthur Morris  
Dr Robert Norton  
Dr Gemma Robertson
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<th>Time</th>
<th>Anatomical</th>
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<th>Forensic</th>
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<td>8.30am - 9.00am</td>
<td>The challenges of implementing a PD-L1 proficiency program and RCPAQAP Update</td>
<td>Welcome breakfast and introduction for medical and science students sponsored by the Department of Health</td>
<td>Meet the Chief Examiner</td>
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<td>9.00am - 10.00am</td>
<td>Ms Julia Pagliuso</td>
<td>Chair: Dr Kathy Robinson</td>
<td>Dr Dianne Little</td>
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<td>Pyrmont Theatre</td>
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<td>Dr David Clift</td>
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<td>Prof Alfred Lam</td>
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<td>Dr David Moffatt</td>
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<td>10.30am - 12.00pm</td>
<td>Meet the Chief Examiner continued</td>
<td>Case Presentations</td>
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<td>Dr Esther Myint</td>
<td>Back to basics</td>
<td>Horse related deaths</td>
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<td>A/Prof Elizabeth Salisbury</td>
<td>Dr Kay Weng Choy</td>
<td>Dr Melanie Archer</td>
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<td>A/Prof Jurgen Stahl</td>
<td>Lead exposure: a Queensland family case series</td>
<td>A discussion of decomposition</td>
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<td>Dr Gemma Daley</td>
<td>Dr Hannah Estub</td>
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<td>Anatomical</td>
<td>A boy with an olive complexion</td>
<td>Anaphylaxis to bone cement: a case report</td>
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<td>Leading the way in research</td>
<td>Dr Zahrul Ismadi</td>
<td>Dr Sairita Maistry</td>
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<td>The tumour microenvironment of lung carcinomas - a low power view</td>
<td>Dr Michael Page</td>
<td>Chair: Dr Dianne Little</td>
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<td>Predicting radio responsiveness in locally advanced rectal cancer</td>
<td>A case of severe hypertriglyceridaemia and hypercholesterolaemia</td>
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<td>A/Prof Chris Hemmings</td>
<td>Dr Jun Guan Tan</td>
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<td>Sessile serrated adenomas with dysplasia: morphologic patterns and correlations with MLH1 immunohistochemistry</td>
<td>Deadly alcoholic fog</td>
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<td>Dr John Liu</td>
<td>Dr Oliver Treacy</td>
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<td>Using the epigenome to understand and better classify phylodes tumours</td>
<td>Dr Penelope Coates</td>
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<td>Prof Sandra O’Toole</td>
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<td>Pathologists can transform understanding of disease pathogenesis and revolutionise treatment: experience from the Australian melanoma genome project</td>
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<td>Prof Richard Scolyer</td>
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<td>HPV-negative gastric-type adenocarcinoma in situ of the cervix</td>
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<td>Chair: Prof Anthony Gill</td>
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<td>2.00pm - 3.30pm</td>
<td>Contemporary classification of breast cancer</td>
<td>Mass spectrometry - evolving role</td>
<td>Forensic and Clinical Forensic Medicine</td>
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<td>A/Prof Laura Collins</td>
<td>Spatially resolved mass spectrometric analysis of tissues</td>
<td>combined standing closed session</td>
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<td>The low-grade breast neoplasia pathway</td>
<td>for chemically augmented histopathology</td>
<td>Scene workshop</td>
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<td>A/Prof Laura Collins</td>
<td>Prof Zottan Takats</td>
<td>Sergeant David Veldhoen</td>
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<td>Chair: A/Prof Chris Hemmings</td>
<td>Harmonisation and applications to endocrinology</td>
<td>Chair: A/Prof Neil Langlois</td>
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<td>Pyrmont Theatre</td>
<td>A/Prof Ronda Greaves</td>
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<td>3.30pm - 4.00pm</td>
<td>Afternoon Tea in The Gallery amongst the Industry Exhibition &amp; Roche Scientific Poster Display</td>
<td>Clinical applications of mass spectrometry</td>
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<td>4.00pm - 5.00pm</td>
<td>Cystic lesions of the pancreas - cytohistologic correlation</td>
<td>Mr Jeffrey Pope</td>
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<td>A/Prof Michelle Reid</td>
<td>A/Prof Chris Florkowski</td>
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<td>Chair: A/Prof Chris Hemmings</td>
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<td>5.00pm - 6.00pm</td>
<td>RCPA BEA DS Nelson and RCPA Quality Assurance Programs Oral Presentations</td>
<td>The evaluation of medical tests: from results to consequences</td>
<td>Forensic and Clinical Forensic Medicine</td>
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<td>Prof Patrick Bossuyt</td>
<td>combined standing closed session</td>
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<td>Chair: Prof Rita Horvath</td>
<td>Scene workshop</td>
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<td>6.00pm - 8.00pm</td>
<td>Welcome Cocktail Party in The Gallery sponsored by DiaSorin</td>
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Welcome Cocktail Party in The Gallery sponsored by DiaSorin
6.00pm - 8.00pm

RCPA BEA DS Nelson and RCPA Quality Assurance Programs Oral Presentations -
5.00pm - 6.00pm

Cystic lesions of the pancreas - cytohistologic
Afternoon Tea in The Gallery amongst the Industry Exhibition & Roche Scientific Poster Display
2.00pm - 3.30pm

Contemporary classification of breast cancer
1.00pm - 2.00pm

Lunch in The Gallery amongst the Industry Exhibition & Roche Scientific Poster Display
12.00pm - 1.00pm

Welcome breakfast and introduction for medical and science

RCPAQAP update
Developing quality assurance for total DNA extraction
Ms Sze Chai

How good is your Next Generation Sequencing? Understanding the quality of your data
Dr Simon Patton

Chair: A/Prof Edwin Kirk

Case Presentations
Finding Gold in Feingold syndrome-2
Dr Cheng Yee Chan

Utilising genomics at the BC Cancer Agency - my fellowship experience in lymphoid cancer research
Dr Yasmin Harvey

Newborn screening for primary immunodeficiency diseases: the next generation
Dr Jovanka King

Chair: A/Prof Edwin Kirk

C3.3

Haematology

Case Presentations
Patient with thrombophilia on anticoagulation with recurrent bleeding
Dr Fathima Ayayi

New onset bruising? It’s time for a ‘C’ change
Dr Maansi Joshi

Uncontrollable haemorrhage on novel emicizumab therapy: what do we do?
Dr Ray Mun Koo

An unusual case of bleeding in a patient with a positive lupus anticoagulant
Dr Heshani Midewake

Double the HITT twice the fonda
Dr Kirsty Sharplin

Undetectable fibrinogen: say what?
Dr Matthew Wheeler

Chair: Dr Robert Bird

Cockle Bay 2

Case Presentations
Neurosyphilis strikes again
Dr Yeri Ahn

Direct Renal Biopsy PLA2R staining in the Diagnosis of Primary Membranous GN
Dr Pai Dai

Potential surrogate markers of central nervous system inflammation in cerebrospinal fluid in the diagnosis of autoimmune encephalitis
Dr Jocelyn Jiang

A case of atypical haemolytic uraemic syndrome and use of complement function test (CH50) for monitoring the use of eclizumab as its management
Dr Crystal Lam

Mass spectrometric assays for the detection of transthyretin mutations in hereditary transthyretin myeloidosis
Dr Mark Taylor

Chair: Dr Melanie Wong

C3.4

What could possibly go wrong?

Chair: Prof Stephen Graves

Prof David Thorburn

Pyrmont Theatre

Liquid biopsies: an introduction to circulating tumour cells - a cTNA
Prof Jacqui Shaw

The use of droplet digital PCR for detection of low level mosaicism
Dr David Godler

Chair: Dr Janice Fletcher

C3.3

Haematology and Immunopathology combined session

Mapping human dendritic cell and macrophage populations in health and disease
Prof Matthew Collin

Haematopoietic and immune defects associated with GATA2 mutation
Prof Matthew Collin

Chair: Dr James D’Rozario

Cockle Bay 2

Case Presentations
Whole genome sequencing to characterise azithromycin resistant Neisseria gonorrhoeae from NSW in 2017
Dr Robert George

Pink is not just for girls - a case of severe, systemic Rhodococcus infection
Dr Letitia Gore

Lions in the lab!
Dr Deborah Lai

O I spy
Dr Mark Robertson

Proteogenomics of carbapenem-resistant Pseudomonas
Dr Michael Thomas

Chair: Dr Robert Norton

C3.5

Basic research at the speed of the clinic - how can we help patients today?
Dr Howard Jacob

Chair: A/Prof Marcel Dinger

Cockle Bay 2

Interesting cases in morphology
Dr Sara Hall

Chair: Dr Helen Wordsworth

Cockle Bay 2

RCPAQAP update
Using quality assurance to determine uncertainty of measurement
Dr Louise Wienholt

A review and what’s new in RCPAQAP immunopathology
Dr Louise Wienholt

Chair: Dr Daman Langguth

Cockle Bay 2

C3.4

RCPAQAP update
Update on parasitology QAP
Mr Graham Robertson

Multi-drug resistant gram-negative bacteria: results
Dr Arthur Morris

Chair: Dr Jenny Robson

C3.5
**Saturday 3 March 2018**

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<th>Time</th>
<th>Session</th>
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| 8.30am - 9.30am | **Innovations Plenary** Nutritional ecology and human health  
*Prof David Raubenheimer | *Chair: A/Prof Kevin Carpenter*  
**Pyrmont Theatre** |
| 9.30am - 10.30am | **Eva Raik Plenary** First do no harm - challenges to be overcome in the modern practice of pathology |
| 10.30am - 11.00am | **Morning Tea in The Gallery amongst the Industry Exhibition & Roche Scientific Poster Display** |
| 11.00am - 12.30pm | **Anatomical**  
Papillary lesions of the breast  
*A/Prof Laura Collins*  
Contemporary issues in core needle biopsy of the breast  
*A/Prof Laura Collins*  
*Chair: Prof Sandra O'Toole*  
**Pyrmont Theatre**  
**Endocrinology**  
Polydipsic polyuric syndrome and copeptin  
*Dr Paul Snelling*  
An update on thyroglobulin  
*Prof Duncan Topliss*  
Defining polycystic ovary syndrome in adolescence  
*Dr Alexa Peña Vargas*  
*Chair: Dr Cherie Chiang*  
*C3.2* |
| 12.30pm - 1.30pm | **Lunch The Gallery amongst the Industry Exhibition & Roche Scientific Poster Display** |
| 12.30pm - 1.30pm | **Sonic Healthcare sponsored lunch for Sonic Healthcare Pathologists, Trainees and Scientists (invitation only)**  
*C2.5/6* |
| 1.30pm - 3.00pm | **Chemical and Microbiology combined session**  
Metabolic phenotyping of microorganisms - from fundamentals to clinical diagnostics  
*Prof Zoltan Takats*  
Mass spectrometry signatures of volatile organic compounds from micro-organisms  
*Prof Steve Chambers*  
Faecal microbiome and its relation to disease  
*Prof Mark Morrison*  
*Chair: A/Prof Sharon Chen*  
*C3.2*  
**Chemical**  
**Microbiology**  
**Combined session**  
**Endocrinology**  
Polydipsic polyuric syndrome and copeptin  
*Dr Paul Snelling*  
An update on thyroglobulin  
*Prof Duncan Topliss*  
Defining polycystic ovary syndrome in adolescence  
*Dr Alexa Peña Vargas*  
*Chair: Dr Cherie Chiang*  
*C3.2*  
**Closed session**  
The history and epidemiology of elder abuse  
*Prof Mark Lachs*  
Frailty  
*Prof Renuka Visvanathan*  
*Chair: A/Prof Morris Odell*  
*C3.6* |
| 3.00pm - 3.30pm | **Afternoon Tea in The Gallery amongst the Industry Exhibition & Roche Scientific Poster Display** |
| 3.30pm - 5.00pm | **Driving structured reporting**  
Prof James Kench  
Biliary tract neoplasm  
*A/Prof Michelle Reid*  
Solid pancreatic tumours  
*A/Prof Michelle Reid*  
*Chair: Dr Bastiaan De Boer*  
**Pyrmont Theatre**  
**RCPAQAP update**  
Moving quality control (QC) - a shift towards risk based QC using average of normal (AoN) techniques  
*Dr Tony Badrick*  
Point of care: external quality assurance challenges  
*Mr Peter Graham*  
IT external quality assurance - stay calm don’t panic  
*Dr Tony Badrick*  
Approaches to the assessment of lot to lot variation  
*Dr Doug Chesher*  
*Chair: Chair: Dr Que Lam*  
*C3.2*  
**Closed session**  
Age associated financial vulnerability: the neuroscience and epidemiology of a clinical and public health crisis  
*Prof Mark Lachs*  
Toxicology of drug facilitated assault  
*Prof Alison Jones*  
*Chair: Dr Maria Nittis*  
*C3.6* |
<p>| 6.00pm - 9.00pm | <strong>RCPAQAP Admission of New Fellows and Presentation of Awards Ceremony &amp; Soiree in the Pyrmont Theatre at ICC Sydney</strong> |</p>
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<td>Biliary tract neoplasia</td>
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<td>Dr Volkan Adsay</td>
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<td>Gallbladder pathology</td>
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<td>needle biopsy of the breast</td>
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<td>Dr Cherie Chiang</td>
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<td>Dr Alexia Peña Vargas</td>
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<td>volatile organic compounds from Mass spectrometry signatures of</td>
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<td>fundamentals to clinical diagnostics</td>
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<td>Chair: Dr Sanjeev Gaya</td>
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<td>Examination of victims of torture</td>
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<td>Identifying forensic injuries of elder abuse</td>
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<td>Building the clinical genomic sequencing infrastructure</td>
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<td>Prof Matthew Collin</td>
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<td>Histiocytic disorders: new hematopoietic neoplasms on the block</td>
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<td>Prof Matthew Collin</td>
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<td>An update on the pathogenesis and prevention of graft versus host disease</td>
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<td>Reconstitution of MAIT cells after allogeneic haematopoietic stem cell transplantation</td>
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<td>Chair: Prof John Rasko</td>
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<td>Immunopathology</td>
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<td>Primary immunodeficiency</td>
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<td>Prof Klaus Warnatz</td>
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<td>Newborn screening for primary immunodeficiency: diseases: TREC, KREC and beyond</td>
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<td>Dr Jovanka King</td>
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<td>Newborn screening in New Zealand</td>
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<td>Dr Shannon Brothers</td>
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<td>Chair: Dr Stephanie Richards</td>
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<td>Microbiology</td>
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<td>The Forever Parasite: Managing Strongyloidiasis in Transplantation</td>
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<td>Dr Michele Morris</td>
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<td>Filamentous fungi and lung transplant recipients</td>
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<td>A/Prof Sharon Chen</td>
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<td>Infections and diagnostic dilemmas in immunocompromised children</td>
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<td>Dr Brendan McMullan</td>
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<td>Chair: Dr Chris Mansell</td>
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<td>Bedside to bench side and back to bedside: clinical sequencing for discovery</td>
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<td>Prof Howard Jacob</td>
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<td>Zero Childhood Cancer -accelerating translation of experimental oncology; better matching drug to target</td>
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<td>Ms Vanessa Tyrrell</td>
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<td>Chair: Dr Cliff Meldrum</td>
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<td>Microbiology and Chemical combined session</td>
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<td>Metabolic phenotyping of microorganisms - from fundamentals to clinical diagnostics</td>
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<td>Prof Zoltan Takats</td>
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<td>Mass spectrometry signatures of volatile organic compounds from micro-organisms</td>
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<td>Prof Steve Chambers</td>
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<td>Faeical microbiome and its relation to disease</td>
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<td>Prof Mark Morrison</td>
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<td>Chair: A/Prof Sharon Chen</td>
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<td>Autoimmunity</td>
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<td>Detection of myelin oligodendrocyte glycoprotein (MOG) antibodies and their clinical significance</td>
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<td>Dr Sudarshini Ramanathan</td>
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<td>Autoimmune autonomic gangliopathy</td>
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<td>Dr Nicolas Umiola</td>
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<td>Role of human leukocyte antigen (HLA) in Goodpasture disease</td>
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<td>Dr Joshua Ooi</td>
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<td>Chair: Dr Stephen Adelstein</td>
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<td>Ethical issues in genomics</td>
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<td>Dynamic consent: improving translational research</td>
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<td>Dr Harriet Teare</td>
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<td>Development of national consent for diagnostic genomic testing</td>
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<td>A/Prof Julie McGaughran</td>
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<td>Addressing the needs of Indigenous communities to enable informed consent and engagement</td>
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<td>A/Prof Kristine Barlow-Stewart</td>
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<td>Chair: Prof Edwin Kirk</td>
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<td>Cockle Bay 2</td>
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<td>Public health</td>
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<td>Update on measles in NSW</td>
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<td>Dr Vicky Sheppard</td>
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<td>Using genomics in outbreak responses</td>
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<td>Dr Deborah Williamson</td>
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<td>Chair Prof William Rawlinson</td>
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<td>Cockle Bay 2</td>
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<td>8.00 - 9.30am</td>
<td>Trainees go Digital Masterclass</td>
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<td>• Tweeting for Pathology</td>
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<td>• Digital filing in 2018</td>
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<td>• One App to rule them all</td>
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<td>• Digital technology in the life of a chemical pathology trainee</td>
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<td>• Leveraging Mobile Messaging Apps for Tele-Pathology</td>
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<td>• The Digital Age- Pathology at NUH</td>
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<td>• Digital pathology: The Christchurch trainee experience</td>
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<td>9.30 - 10.30am</td>
<td>Innovations Plenary</td>
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<td>Direct mass spectrometric profiling in biological tissues - a new paradigm in histology</td>
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<td>Prof Zoltan Takats</td>
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<td>CFM Women Waking from Sleep during Sexual Assault</td>
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<td>RCPA Trainee Induction: RCPA Structure &amp; Education</td>
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<td>Dr Kathy Robinson</td>
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<td>10.30 - 11.00am</td>
<td>Morning Tea in the Gallery amongst the Industry Exhibition &amp; Roche Scientific Poster Display</td>
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<td>11.00 - 12.30pm</td>
<td>Morning Tea in the Gallery amongst the Industry Exhibition &amp; Roche Scientific Poster Display</td>
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<tr>
<td>12.30 - 1.30pm</td>
<td>Lunch in the Gallery amongst the Industry Exhibition &amp; Roche Scientific Poster Display</td>
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<td>1.30 - 3.00pm</td>
<td>Neuroendocrine tumours of GI/pancreatoobiliary tract</td>
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<td>Dr Volkan Adsay</td>
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<td>Chronic pancreatitis or adenocarcinoma</td>
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<td>Dr Volkan Adsay</td>
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<td>Chair: Dr Priyanthi Kumarasinghe</td>
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<td>3.00 - 4.00pm</td>
<td>High Tea Closing in the Gallery</td>
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<td>3.30 - 5.30pm</td>
<td>RCPA Trainee Induction: RCPA Structure &amp; Education</td>
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<td></td>
<td>Dr Kathy Robinson &amp; Dr Wendy Pryor</td>
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**Innovations Plenary**
Direct mass spectrometric profiling in biological tissues - a new paradigm in histology  
*Prof Zoltan Takats*
Chair: Dr Raymond Chan  
Pyrmont Theatre

**Microbiology**
Next generation sequencing/whole genome sequencing workshop  
Principles and utility in diagnostics  
*Dr Sebastian van Hal*
BLAST searches  
*Dr Sebastian van Hal*
Chair: *Dr Robert Norton*
C3.5

<table>
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<tr>
<th><strong>Genetics</strong></th>
<th><strong>Haematology</strong></th>
<th><strong>Immunopathology</strong></th>
<th><strong>Microbiology</strong></th>
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| Genome sequencing 15,000 healthy elderly Australians: Implications for clinical genetics  
*Dr Paul Lacaze*  
Genetic counselling by telehealth  
*Ms Mary-Anne Young*  
Next steps after National Genomic Framework - embedding genomics into healthcare  
*Mr Shane Porter*  
Chair: *Dr Janice Fletcher*
C3.3 | Immuno-therapy of non-Hodgkin’s lymphoma and chronic lymphocytic leukaemia using CD19 CAR-T cells  
*A/Prof Cameron Turtle*  
Clustered regularly interspaced short palindromic repeats (CRISPR) applications in myeloproliferative neoplasms  
*Dr Steven Lane*  
Chair: *Dr Yasmin Harvey*
Cockle Bay 2 | Immunology and malignancy  
Novel cells infiltrating tumours  
*Dr Mainthan Palendira*  
Epstein-Barr virus immunotherapy  
*Dr Rajiv Khanna*  
Chair: *Dr Jack Bourke*
C3.4 | Next generation sequencing/whole genome sequencing workshop continued  
Added value of genome sequencing in tuberculosis diagnosis and management  
*A/Prof Vitali Sintchenko*  
Applications - deep sequencing for detection of pathogens in culture/PCR negative infections  
*Dr Amy Jenkinson*  
Chair: *Dr Robert Norton*
C3.5

1.00 -1.30pm | Forum for the Fellows | Pyrmont Theatre

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<th><strong>Genetics</strong></th>
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<th><strong>Immunopathology</strong></th>
<th><strong>Microbiology</strong></th>
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| Cancer risk study  
*Prof David Thomas*  
Use of the liquid biopsy for monitoring patients with breast cancer and non-small cell lung cancer  
*Prof Jacqui Shaw*  
Chair: *Prof Hamish Scott*
C3.3 | Toxicities of CD19-targeted CAR-T cell therapy  
*A/Prof Cameron Turtle*  
Emerging applications for molecular testing in transfusion medicine  
*Dr Chris Hogan*  
Chair: *Dr Rebecca Adams*
Cockle Bay 2 | Flow cytometry  
B cells in health and disease  
*Prof Klaus Warratz*  
B cells and T follicular helper (TFH) in HIV  
*Prof Martyn French*  
Chair: *Dr Jovanka King*
C3.4 | Viruses in the immunocompromised  
Transplant in the Age of Global Warming: What is Known About the Impact of Emerging Tropical Arbovirus Infections  
*Dr Michele Morris*  
Beta herpesvirus infection of immunocompromised transplant patients  
*Prof William Rawlinson*  
JC and BK virus in renal transplant  
*Prof Dominic Dwyer*  
Chair: *A/Prof Vitali Sintchenko*
C3.5
## Pathology Update 2018 Meetings

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<tr>
<th>Meeting</th>
<th>Time</th>
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<tr>
<td><strong>Friday 2 March</strong></td>
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<tr>
<td>CanSac</td>
<td>12.00pm - 1.00pm</td>
<td>C2.5 + 6</td>
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<tr>
<td>Microbiology AC</td>
<td>12.00pm - 1.00pm</td>
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<tr>
<td>Trainees Forum</td>
<td>12.00pm - 1.00pm</td>
<td>Cockle Bay 2</td>
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<td><strong>Saturday 3 March</strong></td>
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<td>LaRDR- Pathology Review Committee</td>
<td>7.30am - 8.30am</td>
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<tr>
<td>Pathology Editorial Board</td>
<td>12.30pm - 1.30pm</td>
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<td>Immunopathology AC</td>
<td>12.30pm - 1.30pm</td>
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<td>Faculty of Science – Meet the Chief Examiners</td>
<td>12.30pm - 1.30pm</td>
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<td>Developing Communities Working Party</td>
<td>12.30pm - 1.30pm</td>
<td>C3.2</td>
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<tr>
<td>AC Chairs</td>
<td>12.30pm - 1.30pm</td>
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<tr>
<td>Sonic Healthcare Lunch – Invitation only</td>
<td>12.30pm - 1.30pm</td>
<td>C2.5 + 6</td>
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<td><strong>Sunday 4 March</strong></td>
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<tr>
<td>Forensic AC</td>
<td>12.30pm - 1.30pm</td>
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<td>Chemical Pathology AC</td>
<td>3.00pm - 4.00pm</td>
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<tr>
<td>Haematology AC</td>
<td>3.30pm - 4.30pm</td>
<td>Cockle Bay 2</td>
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Pathology Update 2018 Exhibitors & Sponsors

The Pathology Update 2018 Overseeing Committee thanks all the Pathology Update Lead, Major and Supporting Partners and all Industry Exhibitors. Please visit each booth in The Gallery on Level 2.

**Abacus DX**

**Booth Number: 16**

Abacus dx connects innovative global suppliers with Australasian customers. Our range of diagnostic pathology products includes: molecular genetics, anatomical pathology, immunopathology, allergy, clinical chemistry, haematology and infectious diseases. Abacus ALS and Diagnostic Solutions are now abacus dx.

**Contact Details:**
Name: Nicole Conte | +61 7 3386 7911 | 1800 222 287
Email: n.conte@abacusdx.co | Web: www.abacusdx.com

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**Abbott Diagnostics – Major Partner**

**Booth Number: 35**

Abbott Diagnostics goes beyond instruments and tests, offering you holistic harmonised patient centric solutions from consulting and informatics to customised automation. We’ll work with you to develop the right business solution to improve outcomes for your patients and your organisation.

**Contact Details:**
Name: Milu Ruivo / Vicki Neal | +61 2 9857 1111
Email: milu.ruivo@abbott.com | vicki.neal@abbott.com
Facebook: https://www.facebook.com/Abbott
Linkedin: https://www.linkedin.com/company/1612/
Twitter: https://twitter.com/abbottglobal
You tube: https://www.youtube.com/c/abbott

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**Agena Bioscience Inc.**

**Booth Number: 29**

Agena Bioscience is a leading genetic analysis solutions provider that makes genetic testing scalable and cost-effective to the growing number of clinical and genomic testing labs. Agena’s MassARRAY® technology, paired with our UltraSEEK™ and iPLEX™ HS assays, equips laboratories with practical solutions to translate genomic discoveries into mainstream clinical practice.

**Contact Details:**
Name: Karl Herron | +61 (0)435 599 431
Email: karl.herron@agenabio.com
Web: http://agenabio.com/areas-of-interest/oncology-liquid-biopsy/
Australian Digital Health Agency

**Booth Number: 9**
Tasked with improving health outcomes for Australians through the delivery of digital healthcare systems and the national digital health strategy for Australia, the Australian Digital Health Agency commenced operations on 1 July 2016. We are working with all areas of the community – including patients and the public, carers, healthcare providers, scientists and researchers, entrepreneurs and technology innovators – to ensure that what we do is always shaped around their needs, wants and aspirations. Established as a statutory authority in the form of a corporate Commonwealth entity, the Agency reports to State and Territory Health Ministers through the COAG Health Council.

**Contact Details:**
- Name: General Enquiries | +61 1300 901 001
- Email: help@digitalhealth.gov.au | Web: www.digitalhealth.gov.au
- Twitter: AuDigitalhealth

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Australian Red Cross Blood Service

**Booth Number: 38**
The Australian Red Cross Blood Service is pleased to offer a comprehensive range of resources for everything you need to know about blood and transfusion. Webinars, workshops and events, self-paced eLearning, and practical tools, including our apps and lanyard cards, are all available to support your transfusion knowledge.

Come and visit us to find out more www.transfusion.com.au

**Contact Details:**
- Name: Transfusion Policy and Education | +61 08 8112 1303
- Email: transfusion@redcrossblood.org.au | Web: www.transfusion.com.au
- Twitter: @TransfusEd

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BDO - Supporting Partner

We provide our services to a diverse range of clients, from large corporate organisations to private businesses, entrepreneurs and individuals across a broad array of industry sectors. We enjoy outstanding relationships with our clients by focusing on what is important to them, adopting a partnership-style approach, being responsible and reliable, keeping our promises and maintaining open and frank communication. We look for innovative ways to help our clients maximise growth opportunities, improve processes and avoid pitfalls. The end result is that we meet – or exceed – our clients’ expectations.

**Contact Details:**
- Name: John Bresolin | +61 2 9251 4100
- Email: john.bresolin@bdo.com.au | Web: www.bdo.com.au

---

Becton Dickinson (BD)

**Booth Number: 14**
BD is a global medical technology company that partners with organisations to help address their most challenging healthcare issues. BD has innovative solutions in the medical, biosciences, diagnostic, respiratory and diabetes spaces. Our goal is “advancing the world of health” by advancing the quality, accessibility, safety and affordability of healthcare.

**Contact Details:**
- Name: Nina Le Lievre | +61 408 254 429
- Email: ds_anz@bd.com | Web: www.bd.com
Biospecifix Pty Ltd

Booth Number: 41

Biospecifix is a leader in provision of high quality Haematology and Flow Cytometry solutions to Australasian Pathology Laboratories. Leading global suppliers we represent include CellaVision (digital imaging), Cytognos (Euroflow reagents), IQ Products (FMH reagents), IMED (Alpha Thal RDT) and Access Bio (Malaria RDT). Visit booth 41 for more information.

Contact Details:
Name: Damien Heathcote  |  +61435 028 966
Email: damien@biospecifix.com.au  |  Web: www.biospecifix.com.au

Cerner - Supporting Partner

Cerner is a leading global supplier of healthcare information technology solutions. Engaged with the Australian healthcare community for over 25 years, Cerner has delivered numerous ground breaking local programs and initiatives. We’re working in partnership with our clients to connect and transform the Australian healthcare landscape, making tangible improvements to the delivery of care across our population. For more information www.cerner.com.au

Contact Details:
Name: Lalita Thompson  |  +61 491 226 462
Email: Lalita.thompson@cerner.com  |  Web: www.cerner.com.au
Facebook: Cerner Australia  https://www.facebook.com/cerneraustralia/
Twitter: @CernerAustralia

Cirdan

Booth Number: 31

Cirdan is one of Australia’s premier suppliers of laboratory informatics and pathology imaging solutions. This year we will be showcasing PathLite Compact, our purpose built gross imaging solution along with the very latest developments in ULTRA, our world-class LIS. We look forward to seeing you!

Contact Details:
Name: Dave Crockett  |  +61 407 627 510
Email: info@cirdan.com  |  Web: www.cirdan.com
Facebook: https://www.facebook.com/CirdanCom/
Twitter: https://twitter.com/cirdan_com
LinkedIn https://www.linkedin.com/company/1261213/admin/updates/

Department of Health - Lead Partner

Booth Numbers 43 + 44

The Department of Health is committed to achieving our vision of better health and wellbeing for all Australians, now and for future generations. Our strategic priorities are to drive better health and aged care outcomes and reduced inequality; deliver an affordable, accessible, efficient, safe, and high quality health and aged care system; and promote better sport outcomes. Our purpose is to lead and shape Australia’s health and aged care system and sporting outcomes through evidence-based policy, well targeted programs and best practice regulation. We will achieve this through six outcomes – health system policy, design and innovation; health access and support services; sport and recreation; individual health benefits; regulation, safety and protection; and ageing and aged care.

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Name: Suzanne Petrie, Director, Pathology Quality Section,
Diagnostic Imaging & Pathology Branch, Medical Benefits Division
Tel:  +61 2 6289 8131
Email: qupp@health.gov.au  |  Web: http://www.health.gov.au/qupp
DiaSorin Australia Pty Ltd- Major Partner

Booth Numbers: 25 + 26
DiaSorin is a specialist manufacturer of in vitro diagnostic assays using immunoassay and molecular diagnostic techniques. DiaSorin in Australia offers the broadest range of assays on a single or automation connected platform including Infectious Diseases, Bone and Calcium, Thyroid, Hypertension, Oncology, Stool diagnostics and general endocrinology. New automated immunoassay releases in 2017 include FGF-23, Androstenedione and SHBG. DiaSorin Molecular is a leader in extraction-free Nucleic Acid assays, delivering improved workflow and efficiency for laboratories performing molecular infectious disease testing.

Contact Details:
Australia: 1300 259 835 | New Zealand: 0508 848 660
Email: sales@diasorin.com.au | Web: www.diasorin.com

Elsevier Australia

Booth Number: 45
Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, deliver better care, and sometimes make groundbreaking discoveries that advance the boundaries of knowledge and human progress. Elsevier provides web-based, digital solutions — among them ScienceDirect, Scopus, Elsevier Research Intelligence and ClinicalKey — and publishes over 2,500 journals, including Pathology, and more than 33,000 book titles, including a number of iconic reference works. Elsevier is part of RELX Group plc, a world-leading provider of information solutions for professional customers across industries.

Contact Details:
Name: Sabrina Rahman | +61 410 118 208
Email: sabrina.rahman@elsevier.com | Web: www.elsevierhealth.com.au

Genesearch

Booth Number: 30
Genesearch is the Australian distributor for Thomson Filter Vials: innovation in sample prep for HPLC, MS, LC-MS. Stop by our stand to see how you can save time, money and increase productivity in your analytical work.

Contact Details:
Name: Bonni Yee | +61 415 45 2279
Email: bonniyee@genesearch.com.au | Web: www.genesearch.com.au

Helena Laboratories

Booth Number: 50
Helena Laboratories has been providing quality IVD products to laboratories worldwide for over 50 years. We would be pleased to discuss your electrophoresis needs with you or to offer you a demonstration of our new Myeloma Patient Tracking Software. We also offer a range of haemostasis, POC and new Microbiology products.

Contact Details:
Name: Sean O’Mahoney | +61 2 9543 7299
Email: sales@helena.com.au | Web: www.helena.com.au
Howden Medical Books

Booth Number: 33 + 34
We have a wide range of Pathology titles for sale and on display in a double Booth. So come by, collect a booklist and peruse our books. As always if you can’t find a title you are looking for just ask and we’ll do our best to find it for you.

Contact Details:
Name:  Tim and Jane Leask | 1300 455 778 or +61 3 9873 7554
Email:   sales@howmed.com.au

Illumina - Major Partner

Booth Number: 20
Improve your clinical research. Cutting-edge clinical oncology and inherited disease research solutions from Illumina enable the benefits and insights your lab needs to improve and expand its molecular pathology services. Rapidly analyze expert-defined genes and mutation hotspots to find actionable variants in cancers, including solid tumors and hematological malignancies, or identify pathogenic variants in inherited diseases with our customisable targeted panels.

We look forward to seeing you to discuss your work and to share more!

Contact Details:
Name: Casie Chislett | +61 437 329 408
Email: cchislett@illumina.com | Web: www.illumina.com
Facebook: facebook.com/illuminainc
Instagram: illuminasocial
LinkedIn: Illumina
Twitter: @illumina

Know Pathology Know Healthcare

Booth Number: 12
Know Pathology Know Healthcare is the national initiative to promote awareness of the value of pathology. Discover how the public, politicians, healthcare professionals and celebrities are learning about the tremendous contribution of pathology to Australian healthcare.

Contact Details:
Name: Sophie Herlihy | +61 3 9080 3431
Email: sophie.herlihy@londonagency.com.au | Web: www.knowpathology.com.au
Facebook: KnowPathology
Twitter: @Know_Pathology
LinkedIn: Know Pathology Know Healthcare

MSD Oncology

Booth Number: 27
For more than a century, MSD has been inventing for life, bringing forward medicines and vaccines for many of the world’s most challenging diseases. Today, MSD continues be at the forefront of research to deliver innovative health solutions and advance the prevention and treatment of diseases that threaten people and animals around the world.

Contact Details:
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NanoZoomer Digital Pathology

Booth Number: 46
The NanoZoomer Range comprises a suite of hardware and software digital solutions to suit the requirements of pathologists now and into the future. No matter what your specific needs may be, Hamamatsu, and the Australia/NZ distributor, SDR Scientific, have a model that will exceed your expectations. When it comes to converting glass slides to quality digital images, visit us to find out how easy, accurate and affordable it can be!

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National Blood Authority

Booth Number: 15
The National Blood Authority's (NBA) core business is to deliver a blood supply system that is responsive to patient needs, built on evidence based clinical practice and ensures Australia's blood supply is safe, secure, adequate and affordable. The NBA is a statutory authority that represents the interests of the Australian and state and territory governments, and sits within the Australian Government's Health portfolio.

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Norton Rose Fulbright – Supporting Partner

Norton Rose Fulbright's global life sciences and healthcare team advises a range of innovative pharmaceutical, medical device and biotechnology companies as well as healthcare service providers. We provide cutting-edge advice on the full range of legal issues that arise in the sector, from regulatory and compliance strategy through to patent litigation, professional indemnity, corporate transactions and commercial contracting.

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NPS MedicineWise

Booth Number: 28
NPS MedicineWise is an independent, not-for-profit and evidence-based organisation committed to improving the way health technologies, including medicines and medical tests are prescribed and used. We provide health professionals with information, resources and guidance to help them prescribe medicines and treatment correctly and to equip consumers with the information and tools they need to make better decisions about medicines and medical tests.

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LinkedIn: NPS MedicineWise  |  Choosing Wisely Australia
YouTube: NPS MedicineWise
Olympus Australia Pty Ltd

Booth Number: 40 + 42
In 2017 Olympus released the new BX53 Clinical Microscope and we are pleased to have this microscope on display to show attendees what this microscope can do and how it can make your difficult job easier. Please come and see one of our friendly team at the booth for your personal BX53 microscope demonstration.

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OnQ Software

Booth Number: 21
When the data means everything but resources are in high demand you need a system that acts as an extension of your own skills. You need a system created by scientists for scientists, which works with how you work and what you’re trying to achieve. Because, ultimately, the best results will come from a system that is lab grown.

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Pancare Foundation @ the Roche Internet Café

Pancare Foundation is Australia’s only charity fighting pancreatic, liver, biliary, oesophageal and stomach cancers. Our researchers need funding to help them find breakthroughs in their understanding of these cancers, to help them find tests for early detection, to help them find ways to prevent these cancers and find new therapies to save lives. Our aim is to increase survival rates and to care for people affected by all of these upper gastrointestinal cancers across Australia.

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Philips

Booth Number: 48 + 49
IntelliSite is designed to increase efficiency and collaboration in your clinical lab. Next to CE-IVD mark in Europe, Philips IntelliSite Pathology Solution is now the first, and only digital pathology solution available for primary diagnosis in the United States.

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Qiagen

Booth Number: 36

Qiagen is the leading global provider of Sample to Insight solutions to transform biological materials into valuable molecular insights. Our mission is to make improvements in life possible by enabling our customers to achieve outstanding success and breakthroughs in life sciences research, applied testing, pharma and molecular diagnostics.

Further information can be found at http://www.qiagen.com

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Randox Laboratories

Booth Number: 8

Dedicated to improving health, Randox is a market leader within the global in vitro diagnostics industry. With a portfolio comprising automated & semi-automated chemistry analysers, third party biochemistry reagents and complete QC solutions, Randox products are designed to improve efficiency, quality, cost-effectiveness and flexibility in a variety of laboratory settings.

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Roche Diagnostics – Internet Café

Booth Numbers: 3 - 6 Internet Café Major Partner

At Roche, Innovating Healthcare is at the core of our business strategy through Leading Pathology Solutions and Supporting Patient Management. Our expanding knowledge and understanding of disease mechanisms leads us to deliver significant benefits to patients and healthcare professionals. Please visit the Roche internet café and talk to the team over a coffee about our Tissue, Sequencing, Molecular and Pathology complementary technologies for better patient outcomes. Roche Diagnostics gives you The Power of Knowing that you’re investing in the right solutions today, so you can create better healthcare tomorrow. Roche will also provide a coin donation box at the coffee stand for anyone wishing to donate towards the Pancare Foundation.

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Roche Foundation – Medicine

Booth Number: 17

The booth will provide an opportunity to learn more about the Foundation Medicine services available through Roche Australia.

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This year we celebrate the 50th anniversary of Pathology, the scientific journal of the RCPA. The journal is published 7 times a year (including a special theme issue in January/February) and the Pathology Update abstracts are published as an additional supplement annually. Brett Delahunt is the current editor of Pathology, Richard Scolyer is the Senior Associate Editor and Belinda Neill is the Editorial Manager. There are 11 Associate Editors, 105 members of the Editorial Board, and hundreds of peer reviewers, all of whom volunteer their time and expertise and contribute to the international success of Pathology. The RCPA booth will display old and new issues of the journal and will also present the history of the journal over the years. Come and browse through the journals, watch the presentation and celebrate 50 years of Pathology.

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The Royal College of Pathologists of Australasia Quality Assurance Programs
- Major Partner

Booth Numbers: 23 + 24
The Royal College of Pathologists of Australasia Quality Assurance Programs (RCPAQAP) are leaders in the provision of external quality assurance (EQA) for pathology laboratories. Operating under our parent Company, The Royal College of Pathologists of Australasia (RCPA), we offer a comprehensive range of EQA for all disciplines of pathology.

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The world’s largest LIS vendor, SCC Soft Computer is at the forefront of laboratory, genetics, outreach, and blood services information systems software development. Committed to supplying innovative technologies, SCC designs, develops, and delivers full suites of integrated laboratory and genetics information management system solutions for hospitals, large IDNs, and laboratories.

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With more than 20 years of innovation and 1,700 installations worldwide, Sectra is a world-leading provider of IT systems and services for pathology, radiology and other image-intensive departments. Visit us at our booth to learn more about our pathology solutions, see the fastest review workstation on the market and tell us about what you need from a digital pathology solution.

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Sonic Healthcare - Major Partner

Sonic Healthcare is a global healthcare company with a reputation for excellence in laboratory medicine/pathology, radiology/diagnostic imaging and primary care services. Headquartered in Sydney, Australia, Sonic has grown to become one of the world’s leading healthcare providers with operations in Australia, the USA, Germany, Belgium, Switzerland, the United Kingdom, Ireland and New Zealand.

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SOPHiA GENETICS

Booth Number: 37
SOPHiA GENETICS has developed SOPHiA AI, a universal technology for genomic data analysis. By enabling the rapid adoption of genomic testing worldwide, turning data into actionable insights, and sharing knowledge through its community, SOPHiA GENETICS is democratizing Data-Driven Medicine.

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Sunquest Information Systems

Booth Number: 13
Join Sunquest at Pathology Update 2018 and learn how you can make your lab more efficient and effective. Our highly robust and configurable enterprise LIS solution incorporates the latest innovations in streamlined workflow, dynamic sample management, caseload distribution and synoptic reporting. Stop by for a private meeting or demo.

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Sysmex Australia Pty Ltd

Booth Number: 10 +11
As global leaders in the development and implementation of diagnostic IVD and health IT solutions for clinical laboratories, hospitals and healthcare organisations, Sysmex is respected worldwide as being synonymous with quality, innovation and reliability. Drop by our booth (10 & 11) to discover how our innovative product portfolio can improve efficiencies for your organisation and advance patient care.

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TekEquipment

Booth Number: 18
TekEquipment (a division of TekMed) provides high quality autopsy, laboratory and mortuary equipment from premium manufacturers around the world. We specialise in anatomical pathology equipment as well as products for the forensic, hospital and funeral industries.

Anatomical Pathology Equipment:
- Down-Draft Grossing Tables
- Height Adjustable Workspaces & Grossing Tables
- Customised Designs
- Ventilated Cabinets
- Ergonomic Designs
- Formalin Dispensing

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Terumo BCT Australia

Booth Number: 47
Terumo BCT is a global leader in blood component, therapeutic apheresis and cellular technologies. Terumo BCT also distributes B Medical Systems biomedical refrigeration and storage devices. These products are designed to help address the high cost of electricity with features to prevent cold loss and reduce heat emission, and use environmentally friendly natural gases.

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Vela Diagnostics Australia Pty Ltd

Booth Number: 19
Please visit us and see how laboratory samples can turn into actionable information with the first fully integrated NGS and PCR workflow for increased efficiency and flexibility.

- From NGS based HIV / HCV sequencing with simultaneous detection of genotypes and drug-resistant mutations to validated reports including interpretation data.
- From NGS based Oncology panels to an automated clinical expert system and interpretation with Vela Genomics TheraKey™ reporting.

Introducing the power of standardised versatility from Vela Diagnostics.

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Twitter: @VelaDiagnostics
**Voicebrook, Inc**

**Booth Number: 32**
Voicebrook offers the only speech recognition based reporting solution designed specifically for Pathology. We work with our clients to create a tailored solution that optimises the reporting process and empowers Pathology labs to save time, save money, and save lives.

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Google +: plus.google.com/+Voicebrook

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**Werfen**

**Booth Number: 39**
At Werfen, we focus on what we do best, working together with healthcare providers and industry specialists to address the most challenging issues of healthcare today. With strong expertise in Haemostasis, Acute Care and Autoimmunity, our products are derived from our strong commitment to R&D. Unconditional focus on our customers and patients, alongside our core values, motivate us to make a difference every day.

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Floor Plan - Level 3
The Power of Personalised Pathology

Pathology Update 2019 | 22-24 February 2019
Melbourne Convention Centre, South Wharf, Melbourne

www.rcpa.edu.au/Events/Pathology-Update

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