Pathology Update 2022: Friday 4 March 2022

### Scientific & Social Final Program

**9.00am - 10.00am**
- **Medical & Science students’ Welcome Breakfast**
  - Dr Debra Gavran, Dr Ravin Nettarachchi, A/Prof Kenneth Lee, Ms Teresa Stuart
  - Dr Alan Yin, C3.5: Chair: Ms Teresa Stuart

**10.00am - 10.30am**
- **Meet the Chief Examiners**
  - Dr David Cliff, Dr David Moffat & A/Prof Esther Mylly

**Morning Tea amongst the Industry Exhibition & Roche E-Posters in The Gallery**

**Chair:** Dr Daman Langguth

**Innovations Plenary**

**Chair:** Dr Que Lam

- **Immunopathology**
  - Dr Irene Low
  - Prof Alfred Lamw
  - Examiners

- **Microbiology**
  - Dr David Clift, Dr David Moffat

### Case Presentations

- **Oral & Maxillofacial**
  - The microbiome and oral cancer: driver or passenger
  - Prof Newell Johnson

- **Update on oral epithelial dysplasia grading and clinical significance**
  - Dr Omar Kujan
  - Oral potentially malignant disorders: a clinician’s perspective
  - Dr Lalina Tiwari
  - Chair: Dr Victoria Yachnenikova

### Wellington (C2.2)

- **Case Presentations**
  - An interesting case in clinical chemistry
  - Dr Germaina Dally
  - A case of post COVID-19 vaccination hypothyroaemia and cerebral oedema
  - Dr Andrea DiSara

### Pyrmont Theatre

- **Developmental regression in a child?**
  - Dr Campbell Heron

- **Update on Lipids**
  - Polygenic risk scores in breast cancer and beyond
  - Prof David Hunter

### Pyrmont Theatre

- **Update on Lipids**
  - Lipidoprotein(a)
  - Polygenic risk scores in breast cancer and beyond

### Pyrmont Theatre

- **The influence of mainstream pornography on changing sexual practices**
  - Dr Samantha Keene
  - No Filter: technology facilitated sexual assault: a paediatric perspective
  - Dr Joanna Tully

### Pyrmont Theatre

- **Post AstraZeneca COVID-19 vaccination deaths in Western Australia**
  - Dr Kinraleet Patton
  - Management of deaths in temporal relationship to COVID-19 immunisation referred to the Coroner in NSW
  - Dr Isabelle Brouwer

### Pyrmont Theatre

- **Predicting infection risk in patients on conventional synthetic, biologic & targeted synthetic disease modifying anti-rheumatic drugs**
  - A/Prof Peter Wong

### Pyrmont Theatre

- **Application of sequencing in microbiology & public health diagnostic laboratory**
  - Prof Sebastian van Ha

### Pyrmont Theatre

- **First reported human death due to Invasive Aspergillus fumigatus infection in an immunocom-petent host**
  - Dr Adam Stewart

### Pyrmont Theatre

- **Thalassemias as an uncommon cause of giant papillary conjunctivitis**
  - Dr Yat-ming Tsang

### Pyrmont Theatre

- **Direct identification of organisms from blood cultures in a state-wide laboratory network using MALDI-TOF MS**
  - Dr Harry Walker

### Pyrmont Theatre

- **Analysis of a teenager with a biphasic leukaemia: New insights into a rare pediatric case of acute myeloid leukaemia**
  - Prof Daan Drijfhout

### Pyrmont Theatre

- **First, do no harm ...to yourself and why neuroscience helps**
  - Where science and politics meet: The origins of SARS-CoV-2
  - Dr Beverly Stone

### Pyrmont Theatre

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Pathology Update 2022: Saturday 5 March 2022 Scientific & Social Final Program

8.30am - 9.30am BEA & RCPA/GAP Trainee E-Poster Presentations
Dr Andrew Fox-Lewis, Dr Ravin Hettiarachchi, Dr Joshua Jing Xi Li, Dr Jassee Zhao, Mrs Corrina Clifft, Dr Jocelyn Reeder & Dr Samantha Sunderland
Pyrmont Theatre; Chair: A/Prof Trishle Leong

9.35am - 10.30am Eva Raik Memorial Oration: Chronic Myeloid Leukaemia: Closing in on the Target
Prof Tim Hughes
Pyrmont Theatre; Chair: Dr Lawrie Bolt

10.30am - 11.00am Morning Tea amongst the Industry Exhibition & Roche E-Posters in The Gallery
(Roche E-Poster Winners announced)

11.00am - 12.30pm New frontiers in melanocytic neoplasia
Dr Nina Mestab Atdakani/Counting mitoses: 5(0)el matters
Dr Ian Gree
Pyrmont Theatre

Clinical Forensic Medicine & Forensic Pathology
The role of child death review committee
Dr Susan Arbercole
The role of the maternal death review
Dr Matthew Lynch
New and novel toxicological agents
Mr Peter Stockham
Chair: A/Prof Neil Langlois
C2.5

Gene Expression
Making sense of expression studies
Ms Chelsea Mayoh
Diagnostic pathway for platelet disorders
Dr David Baboolal
Chair: Dr Janice Fletcher
C3.4

Coagulation
VITT diagnosis and management
Dr Vivien Chen
Diabetic pathway for platelet disorders
Dr David Baboolal

Immunopathology & Microbiology
COVID-19 Infection & Vaccination
Neutralising antibodies in COVID-19
Prof Kanta Subbarao
The cytokine storm of severe SARS-CoV2 infection
A/Prof Jason Tubiana
Update on SARS-CoV-2 vaccination
A/Prof Paul Griffin
C2.2
Chairs: Dr Robert Norton & Dr Harsha Sherey

12.30pm - 1.30pm Lunch amongst the Industry Exhibition & Roche E-Posters in The Gallery

1.30pm - 3.00pm Diagnostic algorithms in head and neck cancer
Dr Philip Luk
Addressing adverse breast cancer pathology
A/Prof Andrew Redfern
Pyrmont Theatre

Direct-to-consumer pathology tests: are laboratories the last to know?
A/Prof Mirette Saad
Direct-to-consumer pathology tests in Australia: ethical, clinical, and public health implications
A/Prof Katy Ball
Prof Stacy Carter
Dr Padth Shh
Chair: A/Prof Neil Langlois
C2.3

Bayes’ theorem and the logic of forensic pathology opinion
Dr Hans de Boer
Dr Judith Fronczek
Operation Deans
Dr Simon Stables
Dr Adam Griffin
Chair: A/Prof Neil Langlois
C2.6

Genetics in haematological malignancies
Genetic testing for clinical trials from the triallist’s perspective
A/Prof David Ross
Genome testing in haematology – who and why
Dr Lucy Fox
Chair: Dr Janice Fletcher
C3.4

Genomics
Integration of genomic testing into pathology reporting
Dr Rebecca Walsh
Gene expression in haematology – an international perspective
Dr Adam Griffin
Chair: A/Prof Neil Langlois
C2.6

Antimicrobial Resistance and Failures – Current Issues & Solutions
Antimicrobial susceptibility testing & limitations
A/Prof Alexander Henderson
Sepsis & antimicrobial stewardship
Dr Kathryn Wilks
Using genomics to investigate antimicrobial resistance
Dr Norelle Sherry
Chair: A/Prof Neil Langlois
C2.6

3.00pm - 5.00pm Afternoon Tea amongst the Industry Exhibition Roche E-Posters in The Gallery

3.30pm - 5.00pm New frontiers in uterine neoplasia
Dr Deborah Smith
Novel molecular techniques in perinatal pathology
Dr Admire Matsika
Pyrmont Theatre

Primary Hyperaldosteronism
Primary aldosteronism – are we missing something?
Dr Jun Yang
Mass spectrometry for aldosterone?
Dr Brett McWhinney
Best practice screening for primary hyperaldosteronism
A/Prof Cherie Chiang
Chair: A/Prof Neil Langlois
C2.3

Operation Deans post-mortem imaging, a radiologist’s perspective
Dr Andrew Gillson
Postmortem lung CT interpretation
Dr Chris O’Donnell
Cranioencephalic trauma
Dr Sarah Constantine
Chair: A/Prof Neil Langlois
C2.6

Cellular & Genetic Therapies
RNA therapeutics
Dr Mohamed Farah
Retinal gene therapies
Dr Tom Edwards
Gene therapies for blood and autoimmune disorders
Prof Matthew Porteus
Chair: A/Prof Neil Langlois
C2.6

Interesting morphology cases
Dr Sara Half
Interesting haemoglobinopathy cases
Dr Jeremy Robertson
Chair: A/Prof Neil Langlois
C2.3

Lessons from a rheumatologist: highlighting the clinical utility of the myeloma LINE-1 test
Dr Matthew Parker
Gold standards (or the lack of) in Immunopathology EDA
Ms Kristie Chapman
Emerging analyses in CSF testing
A/Prof Minh-Wax Lin
Chair: A/Prof Neil Langlois
C2.1

Antimicrobial Resistance and Failures – Current Issues & Solutions
Whole genome sequencing for M. tuberculosis resistance
Dr Ivan Bastian
Resistance testing in the STI organisms
Dr Emma Sweeney
Update on resistance in mycology
Prof Sharon Chan
Chair: A/Prof Neil Langlois
C3.2

6.00pm - 9.00pm Admission of New Fellows & Presentation of Awards Ceremony (6.00 - 7.00pm) & Soiree Pyrmont Theatre & Pyrmont Theatre Foyer (7.00-9.00pm)

• Friday 4 – Sunday 6 March 2022: Forensic Pathology & Clinical Forensic Medicine Scientific Programs: Due to the nature of the scientific content presented these two scientific programs will only be open to Fellows, Trainees, Laboratory Scientists & Medical/Science Students. It is closed to onsite & virtual Non-Members & Media.

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Pathology Update 2022 Te Our Hands
Pathology Update 2022: Sunday 6 March 2022 Scientific & Social Final Program

9.30am - 10.30am

<table>
<thead>
<tr>
<th>Anatomical</th>
<th>Chemical</th>
<th>CFM*</th>
<th>Forensic*</th>
<th>Genetic</th>
<th>Haematology</th>
<th>Immunopathology</th>
<th>Microbiology</th>
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<tbody>
<tr>
<td>Chair: Dr Victoria Tychmenikova</td>
<td>Chair: Dr Que Lam</td>
<td>Chair: Dr Angela Williams</td>
<td>Chair: A/Prof Neil Langlois</td>
<td>Chair: Dr Janice Fletcher</td>
<td>Chair: Dr Rebecca Adams</td>
<td>Chair: Dr Daman Langath</td>
<td>Chairs: Dr Robert Norton &amp; Dr Martha Sheaney</td>
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10.30am - 11.00am

Closing Afternoon Tea in The Gallery

11.00am - 12.30pm

What's new in hepatobiliary pathology? Dr Greg Miller
What's new in renal pathology? Dr Allison Skene
Pyrmont Theatre

12.30pm - 1.30pm

Lunch amongst the Industry Exhibition & Roche E-Posters in The Gallery

1.00pm - 1.30pm

Trainee Open Forum

12.30pm - 1.30pm

C2.5 / C2.6

Innovations Plenary Medical Leadership in Pathology Dr Colin Goldsmith
Pyrmont Theatre Chair: Dr Daniel Owens

3.00pm - 4.30pm

Clinical Forensic Medicine & Forensic Pathology
C3.3

Go with your gut - Quality issues around testing
Dr Kay Weng Choy

Strangulation
Chief Inspector Sean McDermott
Acting Senior Sergeant Catherine Young
Spiral trauma
Dr Katherine Jancz
Human rights issues, including crimes against women
"Prof Roger Byard"
Prof Roger Byard presentation will be streamed into C2.5 and C2.6

Disaster Victim Identification - the Interpol working group on pathology and anthropology
Dr Hans de Boer
Enforced disappearance and extrajudicial execution
Prof Morris Tobian-Binz
Human rights issues, including crimes against women
"Prof Roger Byard"

Using EDA data to determine risk in molecular diagnostic tests
Dr Sze Chi
Update on Medical Research Futures Fund Genomics Projects
Introduction
Ms Tiffany Blythwood
National diagnostic and research network
Prof John Christodoulou
A national approach to data federation and analysis
Dr Marie-Jo Biron
Evaluation policy and ethics
Prof Robyn Ward
Workforce and education
Dr Debra Graves

1.30pm - 3.00pm

Who classification of thoracic tumours 2021: what’s changed?
Prof Wendy Cooper
New frontiers in pancreatic neoplasia
Dr Angela Chou
Pyrmont Theatre

1.00pm - 3.00pm

Forum for the Fellows - Dr Lawrie Bott
Pyrmont Theatre Chair: Dr Debra Graves

1.00pm - 3.00pm

Emerging Technologies
C3.4

Dr Theo De Malmmanche

Near Future Technologies
Optical genome mapping using bioanote
Dr Kate Ashton
Mainstreaming proteomics into rare disease diagnostics
Dr David Stroud
Long read technologies
Dr Michael Ching

QA
Digital morphology
How to use, tips and tricks
Ms Daniel Holzhauser
Laboratory diagnosis of malaria in Australia: challenges and changes
Dr Roger Lee
PoCT haematology analyses a EGA perspective
Ms Linda Khan

1.00pm - 3.00pm

QA & CC
A review of diagnostic stewardship in microbiology processing of urines
Dr Michael Addison
Clostridiodes difficile
Ms Katherine Ryan
Medical laboratory waste
Dr Rebecca Davis

3.00pm - 4.30pm

Closing Afternoon Tea in The Gallery

This is correct at the time of print on Monday 14 February 2022.
For the most current scientific program please go to the Path Update 2022 Platform.

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