

**9<sup>TH</sup> NATIONAL HISTOLOGY  
CONFERENCE 2019**

ADELAIDE • SOUTH AUSTRALIA  
24-26 MAY 2019

**2019 National Histology Conference**

SCIENTIFIC PROGRAM IN PROGRESS

**FRIDAY 24 May 2019**

0800 - 1800	<b>EXHIBITION BUMP IN</b> Hall L   Adelaide Convention Centre
0900 -1630	<b>PRE-CONFERENCE WORKSHOPS</b>   nearby offsite location <i>See below for more details</i>
1400 - 1600	<b>PRE-CONFERENCE SOCIAL PROGRAM   TOUR OPTIONS</b>   nearby offsite location <i>See below for more details</i>
<b>1800 - 2000</b>	<p align="center"><b>WELCOME FUNCTION</b> Hall L   Adelaide Convention Centre</p> <ul style="list-style-type: none"> <li>— <b>Dress Code:</b> Neat Casual</li> <li>— <b>Cost:</b> \$85 per person (included with all 'Full Conference' Registrations)</li> </ul> <p>A great networking opportunity that will allow you to catch up with colleagues and mingle with delegates and trade attending the meeting. The welcome reception will be held at the conference venue in with the Trade Exhibition Hall.</p> <p><i>*This function is included with all 'Full Delegate' registrations. Day Only delegates &amp; partners must pay the extra ticket cost. Tickets can be purchased during registration or by contacting InFront Events</i></p>

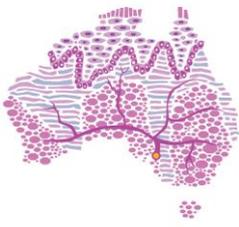
**PRE-CONFERENCE WORKSHOPS**

MORNING WORKSHOPS	
<p align="center"><b>Down the Ureter</b> <i>Complex Cut-up Workshop</i></p> <p>From diagnosis to prognosis, a close-up inspection and hands on grossing tutorial of a stage 4 kidney specimen</p> <ul style="list-style-type: none"> <li>— <b>When:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 0900 - 1200</li> <li>— <b>Venue:</b> Adelaide University</li> <li>— <b>Cost:</b> \$95.00 (including morning tea)</li> </ul>	<p align="center"><b>Troubleshooting from Diagnosis to Prognosis - error reduction in the anatomical pathology laboratory</b></p> <p>How many errors can your team find?</p> <ul style="list-style-type: none"> <li>— <b>When:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 0900 - 1200</li> <li>— <b>Venue:</b> Adelaide University</li> <li>— <b>Cost:</b> \$95.00 (including morning tea)</li> </ul>
AFTERNOON WORKSHOPS	
<p align="center"><b>Troubleshooting from Diagnosis to Prognosis - error reduction in the anatomical pathology laboratory</b></p> <p>How many errors can your team find?</p> <ul style="list-style-type: none"> <li>— <b>When:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 1330 - 1630</li> <li>— <b>Venue:</b> Adelaide University</li> <li>— <b>Cost:</b> \$95.00 (including afternoon tea)</li> </ul>	<p align="center"><b>Syphilis down the Scope</b> <i>Sponsored by: Trajan Scientific</i></p> <p>A hands-on comparative tutorial of IHC staining methods vs old school special stains</p> <ul style="list-style-type: none"> <li>— <b>When:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 1330 - 1630</li> <li>— <b>Venue:</b> Adelaide University</li> <li>— <b>Cost:</b> \$95.00 (including afternoon tea)</li> </ul>

**PRE-CONFERENCE SOCIAL PROGRAM | TOUR OPTIONS**

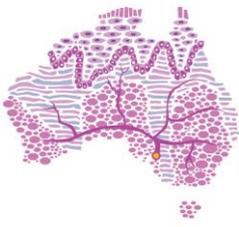
<p align="center"><b>'Bats, Balls and Divas'</b> <b>Adelaide Oval Walking Tour</b></p> <ul style="list-style-type: none"> <li>— <b>When:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 1400 - 1600</li> <li>— <b>Duration:</b> 90 mins (approx. 2.5kms walk with some stairs and escalators)</li> <li>— <b>Venue:</b> Adelaide Oval, North Adelaide</li> <li>— <b>Dress Code:</b> Comfortable attire &amp; walking shoes.</li> <li>— <b>Cost:</b> \$55 per person**</li> </ul> <p><i>**minimum numbers apply to this tour   tickets can be purchased during registration or by contacting InFront Events</i></p>	<p align="center"><b>'Rivers of Gin'</b> <b>Popeye, River Torrens Cruise</b></p> <ul style="list-style-type: none"> <li>— <b>Date:</b> Friday 24 May 2019</li> <li>— <b>Time:</b> 1400 - 1600</li> <li>— <b>Duration:</b> 90 mins (includes 45-minute masterclass and 3x glass gin flight)</li> <li>— <b>Venue:</b> River Torrens</li> <li>— <b>Dress Code:</b> Casual</li> <li>— <b>Cost:</b> \$55 per person</li> </ul> <p><i>**minimum numbers apply to this tour   tickets can be purchased during registration or by contacting InFront Events</i></p>
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*\*\*Please note: the 2019 National Histology Conference Program is current as at 1 February 2019, however remains subject to change\*\**



## SATURDAY 25 May 2019

0800	<b>REGISTRATION OPEN</b> Tea & coffee upon arrival in Exhibition - Hall L   Adelaide Convention Centre
<b>OPENING SESSION 1   PLENARY – HALL M</b>	
0900 - 0930	<b>Official Opening</b>
0930 - 1030	<p><b>Practical utilization of WHO2016 and cIMPACT-NOW in brain tumor diagnosis</b> Dr Arie Perry</p> <p><i>The WHO 2016 classification scheme and more recent advances have resulted in major diagnostic shifts for diffuse gliomas, a subset of ependymomas, and embryonal neoplasms. The new approach focuses on the integrated diagnosis, which incorporates classic histopathology with specific molecular signatures. A number of surrogate immunohistochemical (IHC) stains are now also available for identifying biologically distinct molecular subtypes. The most common division is that of the IDH-mutant diffuse gliomas from their biologically more aggressive IDH-wildtype counterparts. Other examples include histone H3 mutations in the diagnosis of diffuse midline gliomas (K27M mutation) and pediatric glioblastomas (G34R/V mutations), as well as the identification of a more aggressive supratentorial ependymomas defined by RELN fusion (L1CAM positive) and posterior fossa B ependymomas (loss of H3K27me3 staining). Also, in diffuse astrocytomas, the majority of IDH-mutant and H3 G34-mutant cases additionally show loss of ATRX expression and strong p53 staining, serving as clues for further molecular testing as needed. Oligodendrogliomas still require detection of 1p/19q codeletion by molecular testing in addition to IDH mutation, although the vast majority of these can be predicted ahead of time based on the combination of classic histology with retained ATRX expression and negligible p53 expression. In the case of medulloblastoma subtyping, a number of WNT and SHH surrogate stains are available, whereas other IHC markers may be useful for identification of embryonal tumor with multilayered rosettes (LIN28), atypical teratoid/rhabdoid tumor (INI1, BRG1), and high-grade neuroepithelial tumor with BCOR alteration (BCOR).</i></p>
<b>1030 - 1100</b>	<b>MORNING TEA</b> Hall L   Adelaide Convention Centre
<b>SESSION 2   PLENARY – HALL M</b>	
1100 - 1130	Session / Topic - to be confirmed
1130 - 1230	<b>Molar Pregnancies</b> A/Prof Lynette Moore, Dr Sui YU, Shanna Suwalski
<b>1230 - 1330</b>	<b>LUNCH</b> Hall L   Adelaide Convention Centre
<b>SESSION 3   PLENARY – HALL M</b>	
1330 - 1430	<b>Presentation Title to be confirmed</b> Dr Rajiv Patel
1430 - 1500	Session / Topic - to be confirmed
<b>1500 - 1530</b>	<b>AFTERNOON TEA – sponsored by Olympus Australia</b> Hall L   Adelaide Convention Centre
<b>SESSION 4   PLENARY – HALL M</b>	
1530 - 1630	<b>What Makes My Skin Glow?</b> <i>Speakers to be confirmed</i> <i>Panel session on inflammatory skin conditions</i>
1630 - 1700	Session / Topic - to be confirmed
1700	<b>SESSIONS CLOSE</b>



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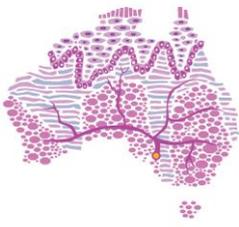
**SATURDAY 25 May 2019**

<b>1900 - late</b>	<p><b>CONFERENCE GALA DINNER</b>  <b>Through the Looking Glass   sponsored by Agilent Technologies</b>  Panorama Room   Adelaide Convention Centre</p>
	<ul style="list-style-type: none"> <li>— <b>Dress Code:</b> Cocktail / After Five</li> <li>— <b>Cost:</b> \$150 per person [included with 'Full Conference + Gala Dinner' Registration]</li> </ul> <p>Whatever happened to Alice? Maybe you can find out when you venture through the looking glass and into the Agilent National Histology Gala Dinner on Saturday 25 May from 7pm in the aptly named Panorama room at the Adelaide Convention Centre.</p> <p>Enter the psychedelic doors into Alice's world of giant tea pots, the strangest of flowers and gigantic mushrooms. Dine on 3 courses of the unbelievable 'Honest Goodness' menu complemented by exquisite South Australian wines &amp; beers while partying with one of Adelaide's favourite cover bands till your feet hurt. Mad hats are optional but definitely encouraged!</p> <p><i>*this function is included with the 'full conference + gala dinner' registration only. All other delegate registrations &amp; partners must pay the extra ticket cost. Tickets can be purchased during registration or by contacting InFront events</i></p>

**SUNDAY 26 May 2019**

0800	<p><b>REGISTRATION OPEN</b>  Tea &amp; coffee upon arrival in Exhibition - Hall L   Adelaide Convention Centre</p>
<b>SESSION 5   PLENARY – HALL M</b>	
0900 – 0945	<p><b>The Evolution and Revolution in Cancer Treatment</b>  Ian Olver AM</p> <p><i>We have seen a paradigm shift in cancer treatment towards more targeted therapies in all modalities, but particularly systemic treatments. Cytotoxic drugs have given way to targeted small molecules and antibodies, and treatments can be selected using biomarkers to indicate the targets present in individual tumours. Immunotherapy is unlocking the potential of the body's immune system to attack the cancer. Genomic analysis will become more important than histological subtype in selecting treatments and may be achieved by via liquid biopsies.</i></p>
0945 - 1030	Session / Topic - to be confirmed
<b>1030 – 1100</b>	<p><b>MORNING TEA</b>  Hall L   Adelaide Convention Centre</p>
<b>SESSION 6   PLENARY – HALL M</b>	
1100 – 1130	Session / Topic - to be confirmed
1130 – 1200	Session / Topic - to be confirmed
1200 - 1230	Session / Topic - to be confirmed
<b>1230 – 1330</b>	<p><b>LUNCH</b>  Hall L   Adelaide Convention Centre</p>
<b>SESSION 7   PLENARY – HALL M</b>	

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**SUNDAY 26 May 2019**

1330 – 1400	<p><b>The importance of cleanliness: the use of archived FFPE tissues for research purposes</b> Dr Lauren Thurgood</p> <p><i>The clinical standard for preparing tissues for histopathological assessment is formalin fixation and paraffin embedding (FFPE). During this process, the tissue architecture is preserved and often excess tissue is stored in archival banks. This resource offers a vast repository of tissue material which in most cases is paired with detailed clinical data.</i></p> <p><i>For researchers, access to excess FFPE tissues from diagnostic laboratories offers a valuable resource for retrospective analysis of diagnostic and prognostic biomarkers, as well as the ability to understand the molecular mechanisms of disease initiation and progression. Various studies have shown that even when stored for decades the material within the blocks does not change over time.</i></p> <p><i>However, the process of FFPE induces numerous chemical changes and degradation to DNA, RNA and protein that can hamper its usefulness for research purposes. To be able to consistently generate reproducible results in the laboratory there are several important factors that need to be considered when processing samples for research use which varying depending on the downstream molecular applications. For example, if RNA is to be extracted from the FFPE blocks, the first 2-3 sections should be discarded as oxidation on the tissue block surface can rapidly degrade the RNA.</i></p> <p><i>For proteomic analysis, sections need to be mounted on uncoated slides as PEI coating can introduce polymer contamination into the mass spectrometer. These factors will be further discussed along with some examples of where we have utilised FFPE samples to answer key questions in our research on chronic lymphocytic leukaemia.</i></p>
1400 - 1430	<b>RCPAQAP update</b>
1430 - 1445	<b>Conference Closing Statement, Next Conference Host City Announcement, Final Thank You's</b>
1445	<b>CONFERENCE CLOSES</b>