



# TISSUE PAPER

## President's Report - Jerres Alcober

Welcome to the first edition for 2019 of the Tissue Paper. We hope that our members enjoyed the festive season and are having a great start to the new year. The final event for last year was the AGM & 3rd Scientific Meeting for 2018. A special mention to Brett Harrison, Dr Jennifer Young, Metagene and the Normanby Hotel for a great and informative evening for our attending members. This event also saw the election of the 2019 HGQ Executive Committee - President: Jerres Alcober; Secretary: Amanda Marsden; Treasurer: Mark Bromley; Committee Members: Kellie Vukovic; Chris Cazier; Arin Chandra; Melissa Hillas; Greg Bowlay; Emma Hughes; Michelle Goddard; Lloyd Blundell; Brett Harrison.

We are looking forward to providing many opportunities for continuing education and



networking for our members again this year. Stay tuned to the following events on the 2019 calendar - 1st Scientific Meeting - SNP Bowen Hills (Mar); National Histology Conference 2019 -Adelaide, SA (May); Social Event - Trivia Night (Jun); Workshop (Jul); 2nd Scientific Meeting - AIMS (Aug), AGM/3rd Scientific Meeting (Oct). To keep up to date with the HGQ, take advantage of free membership at [www.hgq.org.au](http://www.hgq.org.au) . Until the next edition, take care, stay safe and enjoy!! Happy reading ;)

## Secretarial report - Amanda Marsden

Welcome everyone to the first Tissue Paper for 2019!

So much hard work went into making 2018 such a successful year for HGQ. There was the hugely popular Trivia Night, 3 Scientific Meetings and a very educational full day workshop on GIT held at QUT. Thank you to all the committee members who made it all possible.

2019 promises to be just as exciting and I would like thank the committee members who put their hand up for another year and to extend a warm welcome to our new committee members, Emma Hughes and Michelle Goddard.

First up this year is the Scientific Meeting to be held on 14th of March at Sullivan Nicolaides Pathology. The annual trivia night once again promises to be the social event of the year. The night is being held at the Normanby again on the 28th June, so get your tables organised early. The 9th National Histology Conference is well into the planning stage and is to be held in Adelaide in 24-26th May. Remember to put the date in your calendar and keep an eye out for further information on their website: [nationalhistologyconference.com](http://nationalhistologyconference.com).

Hope you can all come to join us in the forthcoming events. Don't forget to head to the website ([www.hgq.org.au](http://www.hgq.org.au)) and become a member of HGQ - it's FREE!

## The HGQ Committee is:

President	Jerres Alcober (TPCH)	Workshops	Chris Cazier (QUT)
Secretary	Amanda Marsden (PAH)	Scientific Meetings	Brett Harrison (Trade)
Treasurer	Mark Bromley (SNP)		Lloyd Blundell (Trade)
Newsletter	Greg Bowlay (Mater)		Emma Hughes (SNP)
	Melissa Hillas (Mater)	Trade Contact	Arin Chandra (SUHC)
Social Events	Kellie Vukovic (SNP)	Social Media	Jerres Alcober
Member Contact	Michelle Goddard (TPCH)	Website	Mark Bromley

**We are always looking for contributions of scientific articles and news, or if you have improvements and techniques that make a difference in your lab! Submissions can be sent to [newsletter@hgq.org.au](mailto:newsletter@hgq.org.au) in PDF format.**



**HGQ is now on Instagram, follow us! @histogrpld**

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Please forward submissions in Microsoft Word or compatible program via email to [newsletter@hgq.org.au](mailto:newsletter@hgq.org.au). For any attached photos, please also include these in a separate file. Include your name and address if required. Submissions can be in the form of a brief note, letter or as a complete article.

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# 2018 QUT Award Night

It was a privilege to be able to attend the the QUT Faculty of Health Awards Ceremony for the 2018 Academic year with Jerres Alcober on Wednesday 20th February. Held at roomthreesixty, Level 10, Y block Gardens Point in the City, not only did the venue have stunning views but was filled to the brim with the next generation of talented scientists. A total of 52 award winners, with proud family and friends, were there to receive QUT Faculty of Health awards given for School of Biomedical Sciences and Clinical Sciences.

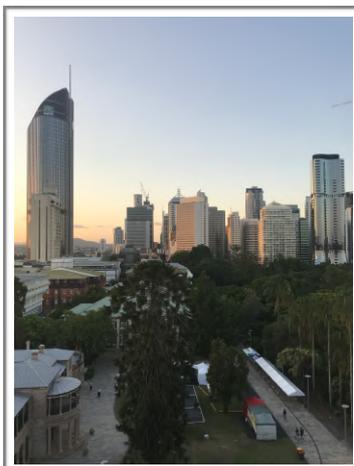
The evening started with a message from Professor Ross Young, Executive Dean of Faculty, who welcomed all and congratulated the recipients on their success. An engaging speech focussed on the Faculty strategy of "Real Health Matters" with a focus on developing the knowledge, skills and attitude that graduates could take with them into their future career paths. Professor David Waugh, Head of School for Biomedical Sciences then took the stage to start the award presentation for Biomedical Sciences. Next were the awards for Medical Laboratory Sciences and with it, Jerres' time to shine. The Histotechnology Group of Queensland Award was proudly presented to Wing Kei Chu. The award was given to the third-year Bachelor of Medical Laboratory Sciences student achieving the highest academic result in Histopathology.

After much hand clapping, the last award was given out. An interesting presentation about the Faculty of Health International Student Mobility Program was delivered by Sacha Alexiou. Sacha undertook the program at Nanjing Medical University, China and had multiple amusing stories to tell.

A special guest presenter concluded the evening, Adjunct Associate Professor Veronica Cassey, Faculty of Health 2018 Outstanding Alumni Award Winner. She gave an entertaining and inspiring speech, highlighting her many years of experience in the nursing profession, its evolution and the importance of all health professionals working together as a team.

I would like to extend sincere congratulations to our winner, Wing Kei Chu.

**Amanda Marsden**



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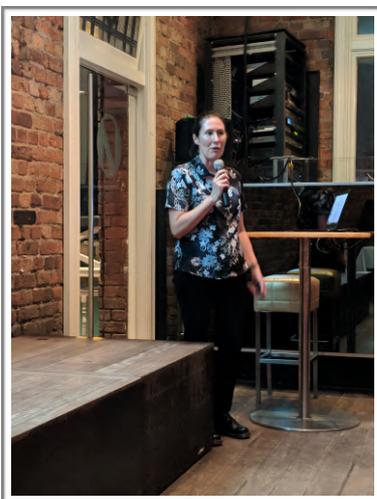
# *HGQ Annual General Meeting*

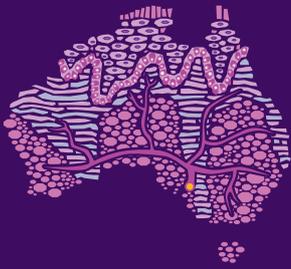
The 25th of October saw the Annual General Meeting and the 3rd Scientific Meeting of the year at the Normanby Hotel. After the throng had settled themselves with a drink, an overview of 2018 was given by 'El Presidente'. Highlights of the year were the Trivia Night and the Workshop, both of which were well attended and generated positive responses. Next it was the Treasurer's turn, and we were all glad to find out there is still some money left in the account. Next round is on you, Mark. And then it was time for electing the next year's committee. While the majority of players were happy to continue, it is nice to see some new faces join in. We can promise it won't hurt a bit.

Then we turned to the really interesting part of the evening. Dr Jennifer Young of the Queensland Eye Institute generously gave up her Thursday night to give those present an adventure into some of her previous research. Using zebra fish embryos, she investigated the effects of blocking of Fgf3 and Fgf8 genes. These encode for fibroblast growth factors which are involved in cell division, the regulation of cell growth and maturation. Any defects in these result in developmental defects of the central nervous system. By using a combination of wholemount ISH, for which Dr Young created her own novel RNA probes, neurofilament IHC and other more general histological and molecular techniques, the importance of these genes to the formation of the entire hindbrain is demonstrated. There were even a few nice images of Alcian Blue staining of the cartilage formation. It's nice to see histology outside of diagnostic pathology, as research is something that few of us have interaction with apart from requests for tissue sections. Dr Young is currently researching corneal endothelial cells, with the hope of treatments for repairing the cornea without the need for donor transplants

The night concluded with food, drinks and gossip (food and drinks provided by the Normanby Hotel, BYO gossip). Many thanks to the sponsor of the evening, Metagene.

**Melissa Hillas**





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

ADELAIDE • SOUTH AUSTRALIA

24-26 MAY  
2019

The Histology Group of South Australia and its organising Committee warmly invites delegates, presenters and trade representative to Adelaide, South Australia for the 9th National Histology Conference. The event will be held at the Adelaide Convention Centre on the weekend of 24–26 May 2019.

The theme is ‘*Diagnosis to Prognosis & Beyond*’ which will see delegates experience a range of workshops and educational, plenary sessions over the three days to provide continuing education and professional development to those within the medical science, clinical and research fields. Modern equipment and consumables will also be showcased by trade sponsors and a range of social activities to indulge in what our great city has to offer.

## REGISTRATION

Early bird registration closes 15 March 2019

Full Registration Fees	Early Bird Price	Standard Price
Conference Registration + Gala Dinner	\$610	\$710
Conference Registration	\$470	\$570
Student Conference Registration	\$170	\$170

Day Registration Fees	Early Bird Price	Standard Price
Saturday Day Registration	\$290	\$340
Student Saturday Only*	\$120	\$120
Sunday Day Registration	\$200	\$250
Student Sunday Only*	\$95	\$95

\*Student Registration Fees apply to students currently enrolled at a recognised University or TAFE.

## KEYNOTE SPEAKERS



Arie Perry, M.D



Ian Olver AM

## WORKSHOPS

Friday 24 May 2019  
\$95 per workshop

Workshops are limited to a maximum of 30 participants.

### Morning Workshops

- AM Workshop 1 | Complex Cut-up Workshop – “Down the Ureter”
- AM Workshop 2 | “Troubleshooting from diagnosis to prognosis - error reduction in the anatomical pathology laboratory”

### Afternoon Workshops

- PM Workshop 1 | “Syphilis down the Scope”
- PM Workshop 2 | “Troubleshooting from diagnosis to prognosis - error reduction in the anatomical pathology laboratory”

## IMPORTANT DATES

**Mid-Late December** | Call for Abstracts & Early Bird Registration Open

**15 February 2019** | Abstract Close

**15 March 2019** | Early Bird Registration Fees Cut-Off – normal registrations fees apply

**8 March 2019** | Abstract Acceptance

Visit: [www.nationalhistologyconference.com](http://www.nationalhistologyconference.com) for online registration, abstract submission and more information.

## SOCIAL

### ‘Bats, Balls and Divas’ Adelaide Oval Walking Tour

Friday Afternoon, 24 May 2019

**Duration:** 90 mins (approx. 2.5kms walk with some stairs and escalators)

**Cost:** \$55 per person (*minimum numbers apply*)

### ‘Rivers of Gin’ Popeye, River Torrens Cruise

Friday Afternoon, 24 May 2019

**Duration:** 90 mins (includes 45-minute masterclass and 3x glass gin light)

**Cost:** \$55 per person (*minimum numbers apply*)

### Friday Night Trade Opening Welcome Reception

Friday 24 May 2019

**Time:** 1800 – 2000

**Cost:** \$85 per person

*This function is included with all ‘Full Delegate’ registrations. Day delegates & partners wishing to attend must pay the extra ticket cost.*

### ‘Through the Looking Glass...’ Conference Gala Dinner

Saturday 25 May 2019

*Sponsored by Agilent*

**Time:** 1900 til late

**Cost:** \$150 per person

*This function is included with the ‘Full Conference + Gala Dinner’ registration only. All other delegates & partners wishing to attend must pay the extra ticket cost.*

For more information please visit the conference website: [www.nationalhistologyconference.com](http://www.nationalhistologyconference.com)  
Or contact the Conference Organisers at InFront Events | [events@infront.com.au](mailto:events@infront.com.au) | 61 8 8362 9844



# VENTANA DP 200 slide scanner

*Robust, reliable, high-speed scanning with high image quality*



## VENTANA DP 200 slide scanner features

- **High-speed scanning:** improved scanning speed at 20x and 40x magnifications
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- **High-quality images:** outstanding images for various tissue types, including challenging slides and frozen sections
- **DICOM compatibility:** provide a standardised output file format for inter-operability with PACS servers
- **Colour management:** ICC colour profile applied to every scanned image
- **Dynamic focus:** tracks tissue depth in real-time and uses the data for high-resolution images

### Efficient

High speed scanning with a no-touch start process and intuitive user interface

### Reliable

Automatic calibrations and built-in diagnostics produce high-quality images

### Flexible

Designed and suitable for a variety of applications

## VENTANA DP 200 slide scanner

<b>Slide capacity</b>	6 single slides, 3 double slides
<b>Scan magnifications</b>	20x and 40x
<b>Focus method</b>	Dynamic focus
<b>Volume scan</b>	Up to 15 layers
<b>Time to view*</b>	20x: <49 seconds, 40x: <85 seconds for a 15mm x 15mm AOI
<b>Scan time</b>	20x: approximately 36 seconds, 40x: approximately 73 seconds for a 15 x 15mm AOI
<b>Slide handling</b>	No slide handling, tray-based movement
<b>Objective</b>	Nikon CFI PLAN APO LAMBDA 20x
<b>Dimensions / weight</b>	49.78cm x 67.82cm x 46.23cm / <48 kg
<b>Calibration</b>	Auto-calibration

\*Time to view includes tray loading, thumbnailing and image acquisition.

VENTANA DP 200 slide scanner is for *in-vitro* diagnostic use.

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# 1<sup>ST</sup> HGQ SCIENTIFIC MEETING 2019

**Where:** Sullivan Nicolaides Pathology 24 Hurworth Street, Bowen Hills

**When:** Thursday 14<sup>th</sup> March @ 6:30pm

>Head to the main reception and you will be let in and escorted up to the meeting room<

## [**SPEAKERS**]

**Selena Chu**

QUT HGQ Award Winner 2019

Talking about her experiences in Science and her plans for the future

**Emma Hughes**

MOHS Surgery a technicians perspective

Followed by food and a tour of the Histology Lab

Please RSVP before 13th March online at [www.hgq.org.au](http://www.hgq.org.au)



# TekEquipment

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# 2019 HGQ Trivia Night

**Date:** Friday 28th June  
**Time:** 6:30-10:30pm  
**Venue:** The Normanby Hotel  
'Bovine Room'



1 Musgrave Road Red Hill QLD 4059

**Price:** \$30pp - tables of 10 (Payment due by Friday 7th June)

## Includes:

- Sit-down dinner (alternate drop)
- One complimentary house beer, wine or soft drink
- Trade sponsored prizes and rounds with a professional host
- Additional drinks at bar prices

**HURRY!!**  
**Tables are limited and will sell quickly!**

**Limited parking is available at the venue**



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They have developed a range of controls, some with as few as two cell lines providing a positive and negative: Standard Controls. There is also a supply of more comprehensive products with as many as five cell lines, providing a range of expression and sensitivity: The Dynamic Range<sup>DR</sup>.



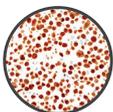
Breast Analyte Control<sup>DR</sup>



Estrogen Receptor Analyte Control<sup>DR</sup>



HER2 Analyte Control<sup>DR</sup>



HPV/p16 Analyte Control<sup>DR</sup>



PD-L1 Analyte Control<sup>DR</sup>



Progesterone Receptor Analyte Control<sup>DR</sup>



ALK-Lung (EML4-ALK) Analyte Control



ALK-Lymphoma (NPM-ALK) Analyte Control



Breast Analyte Control (ER, PR and HER2)



HPV/p16 Analyte Control



ROS1 Analyte Control

**HistoCyte now available in Australia.**

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Quality in Control

# More to me than Histology

**Selena Chu**

**HGQ Awardee 2018 (QUT Medical Scientist)**

## 1. What did you want to be when you grew up?

I wanted to be a lawyer when I was in my primary school. I remember I was glued to the television every night to catch the daily episode of a courtroom drama broadcasting at the time in Hong Kong. A part of me still would like to pursue a law degree in the future.

## 2. What's the best piece of advice someone has given you?

"Everyone may have something that they are naturally talented in but one can always catch up by constant practice." - It was told by a demonstrator in my histology practical class.



## 3. What's your favourite stain and why?

Masson's Trichrome. I was stunned by all the beautiful colours when I looked at my first slide stained successfully using the technique. I took a lot of photos and kept them in my phone.

## 4. Do you have any hobbies/ what do you do in your spare time?

I like reading non-fiction books, especially about investigative journalism and popular science. Currently I am reading *Bad Blood: Secrets and Lies in a Silicon Valley Startup* and it's amazing.

## 5. Do you have a hidden/ special skill?

Not sure if this is a 'skill' but I can fall asleep anywhere. I had fallen asleep while brushing my teeth and standing on public transport.

## 6. Favourite food?

Korean barbecue! Love the meat and veggies combination!

## 7. Dream holiday destination?

Hawaii. I would like to have a nice beachside holiday and explore in tropical forests.

## 8. If you could have dinner with anyone (present or past), who and why?

J.K. Rowling. I have been fascinated by her imagination and creativity since I was a child.



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- Up to 14 protocols stained simultaneously
- 28 high-quality Ready-to-Use standardized stain kits
- 30 optimized, validated protocols that are editable for easy, yet flexible, results



# p16<sup>INK4A</sup> (IHC116)



The p16 (p16<sup>INK4A</sup>) protein is a cyclin-dependent kinase (CDK) inhibitor that plays an important regulatory role in the cell cycle. By controlling the transition between the G1 and S phases through regulation of retinoblastoma protein, p16 decelerates cellular differentiation and therefore acts as a tumor suppressor, making it the key marker in several human cancers including head and neck cancer, perianal lesions, melanomas, gliomas, lymphomas, and some types of leukemia. p16 is also clinically indicated in carcinomas of the esophagus, pancreas, lung, biliary tract, liver, colon, and urinary bladder.

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- Request a sample [admin@metagene.com.au](mailto:admin@metagene.com.au)

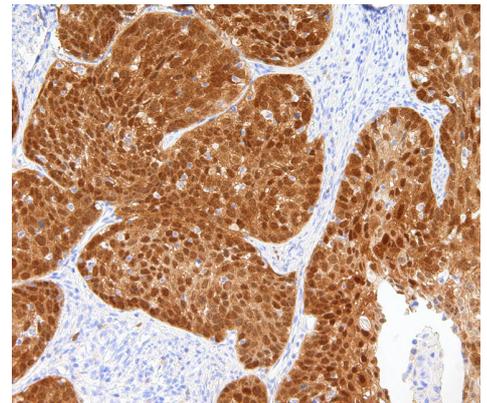
## Product Information

**REF**

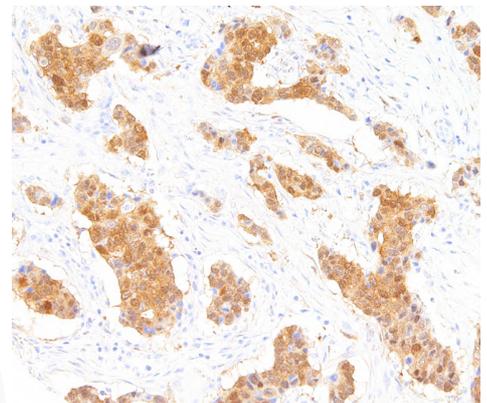
IHC116-100	0.1 ml, Concentrate
IHC116-1	1 ml, Concentrate
IHC116-7	7 ml, Predilute
IHC116-PC	3 Positive Control Slides

**Source**

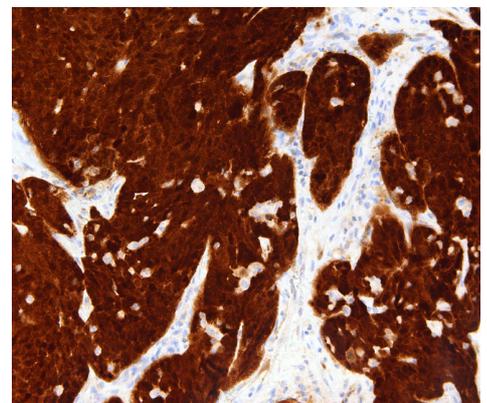
Mouse Monoclonal

**Designations**IVD:   RUO:   

**Fig1.** GeneAb™ p16 [IHC116] on Cervical Cancer



**Fig2.** GeneAb™ p16 [IHC116] on Breast Cancer



**Fig3.** GeneAb™ p16 [IHC116] on Ovarian Cancer

# What's new with the HGQ?

## Upcoming Events

### March 2019

- **Newsletter - Tissue Paper**
- **Scientific Meeting**
  - Venue - SNP Central Lab (Bowen Hills)
  - THU 14 MAR

### May 2019

- **Newsletter - Tissue Paper**
- **National Histology Conference**
  - Adelaide Convention Centre, Adelaide, SA
  - 24-26 MAY

### June 2019

- **Social Event - Trivia Night**
  - Venue - The Normanby Hotel
  - FRI 28 JUN

### July 2019

- **Workshop**
  - Venue - TBA
  - SAT 27 JUL

### August 2019

- **Newsletter - Tissue Paper**
- **Scientific Meeting**
  - Venue - TBA
  - THU 22 AUG

### October 2019

- **Scientific Meeting & AGM**
  - Venue - TBA
  - THU 24 OCT

### November 2019

- **Newsletter - Tissue Paper**

