

# HGVT

Org. No. A003523F

## PARAFFINALIA NEWSLETTER

**VOLUME 25, NUMBER 1**  
**March 2020**

The HGVT aims to provide a dynamic continuing education program in which all persons with an interest in Histology and Histotechnology are freely invited to participate.

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# Committee Page

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The members of the Histology Group of Victoria and Tasmania 2020 are:

Name	Institution
Kerrie Scott-Dowell	Dorevitch Pathology/Leica
Adrian Warmington	Dorevitch Pathology (Ballarat)
Mark Bromley	Sullivan Nicolaides Pathology
Elizabeth Baranyai	Cabrini Health
Alison Boyd	Northern Hospital
Kellie Vukovic	Melbourne Pathology
Sue Sturrock	Melbourne Pathology
Yvette Beaber	Monash
Samantha Arandelovic	Mater Pathology Brisbane
Emma Pan	Walter & Eliza Hall Institute
Alex Johnston	Walter & Eliza Hall Institute
Sukwinder Sohal(Romi)	University of Tasmania
Meghan Leo	Histolab
Bindi Bates	Peter Mac
Ola Aladasi	VCS

**Contact us at**

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Author enquiries and readers wishing to contribute articles or reports can contact the Editor - [editor@hgv.org.au](mailto:editor@hgv.org.au)

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# President's Report – Behind the Bench

Welcome Histopees to 2020.

We have had an exciting start to the year with a great first up educational meeting which attracted over 70 people. In a cozy room, we heard 5 interesting stories highlighting the diagnostic dilemmas faced and how science is solving the problems.

We have included a new page in Paraffinalia for “news from your lab” (births, marriages, significant events), so please forward photos with a caption to [editor@hgv.org.au](mailto:editor@hgv.org.au). I look forward to seeing what is happening around the traps.

The Committee is currently working towards building a diverse program for the year and I would like to thank all those people who have offered to share their knowledge. We are also keeping an eye on the coronavirus and will let you know of any implications to our program. In the meantime, keep yourself safe, don't panic and I will begin my search of the Eastern Suburbs for toilet paper.

Kerrie Scott  
HGVT President





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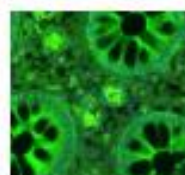
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**QuantCenter** is the framework for 3DHISTECH **image analysis applications** that provide computer-assisted image analysis of the whole slide. A robust software algorithm gives objective results, quickly and reliably.

**CaseViewer** is designed to support the histopathological diagnostic workflow and, as a **digital microscope application**, also supports the microscope examination process for the life sciences.

**CaseCenter** is a **web-based pathology workflow** tool with a full-featured case and slide database. CaseCenter not only enables **teleconsultation** with digital slides but also gives full control of your samples as it is a fast and effective slide and case database.



**3DHISTECH**

# UNDER THE MICROSCOPE WITH ANDREW SPENCE

## 1. What was your first part-time job?

Making burgers at McDonalds in Glenrowan.

## 2. How long have you worked in histology?

I moved into the histology department from the general specimen reception department at Dorevitch in June 2016 so about 4 years, most of that time being part-time while studying Masters of Laboratory Medicine.

## 3. When people ask, "So, what do you do?" How do you explain Histology?

I say something like; it's the testing for skin cancers and other diseases in different organs like colonoscopy tests. I try to explain that scientists cut up the organs and then get the small pieces in wax and cut them really thinly onto a microscope slide and then stain the tissue so pathologists can make a diagnosis.



## 4. What is a skill you'd like to learn and why?

I'd like to learn and develop skills in immunohistochemistry. I learnt about IHC at uni and practiced some in uni classes. I also observed scientists completing IHC work at Dorevitch and at WEHI when I was on uni placement there, but I haven't had opportunities to put my knowledge to use yet.

## 5. If money was no object, what would you do all day?

I'd like to try and help people somehow. Maybe with local organizations such as the West Welcome Wagon that helps asylum seekers who are new to Australia by providing donated furniture, clothing and other secondhand items. The church I attend already has a connection with them and I've volunteered with them before. I'd probably also spend time playing Xbox and Nintendo Switch.

## 6. What's an ideal weekend for you?

Something like a short trip or bike ride to somewhere scenic like a lake, the beach or a mountain then watching a movie or playing video games in the evening.

## 7. If you could take only THREE items with you to a deserted island, what would they be?

A pocketknife, a sturdy tent, my bible.

## 8. What is the best conference you have ever attended?

During my Masters course I had the opportunity to attend a conference for laboratory medicine students at St. Vincent's hospital which was an interesting and fun experience of seeing presentations and presenting a scientific poster with my group.

## 9. What's on your bucket list this year?

Well I proposed to my fiancé in October last year so getting married is on my bucket list for this year.



## 10. Where do you most want to travel, but have never been?

I've never been to New Zealand and I would love to visit the glaciers and the mountains and hang out in the land of the Lord of the Rings movies.



# High-Quality Ready-to-Use Antibodies for Melanoma

## Advanced Staining

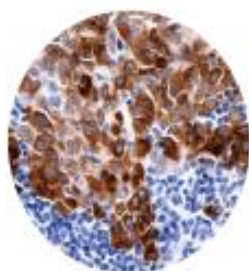


### The Dako FLEX RTU Solution provides your lab:

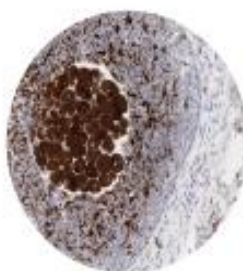
- **FLEX RTU antibodies** calibrated and validated to provide high analytical sensitivity and specificity for accurate and reliable IHC results
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Target	Species	Clone	Dako Omnis	AutoStainer	Reg Status
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Melanosome	Mouse mAb	HMB-45	GA05261-2	IR05261-2	IVD
S100	Rabbit pAb		GA50461-2	IR50461-2	IVD
Tyrosinase	Mouse mAb	T311		IR06161-2	IVD



Melan-A FLEX RTU (IR633)



Melanosome FLEX RTU (GA052)

[www.agilent.com](http://www.agilent.com)

This information is subject to change without notice.

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D58505/ C57381 - Feb 10<sup>th</sup>, 2020



# February Scientific Meeting Review

On the 20<sup>th</sup> February 2020, HGVT organized a scientific meeting at Peter MacCallum Cancer (VCCC) with thanks to TRAJAN who sponsored the event. The scientific meeting involved many speakers including Alison Farley (WEHI), Joy Bagsic (Austin Hospital), Andrew Dinan (Alfred Hospital), Trung Nguyen (Cabrini), Sandra Van Brummelen (Anatpath) and our own Kerrie Scott (Leica/Dorevitch).



All our guest speakers presented interesting cases, starting with the first speaker, Alison Farley from WEHI gave her presentation about using multiple imaging modalities to map hemorrhagic stroke through development of a sequence of thrombocytopenia. She used two different modules, NFE2/mouse phenotype and the Inducing acute thrombocytopenia.



***Dr. Alison Farley***



***Joy Bagsic with Kerrie Scott***

The second speaker, Joy Bagsic from Austin Hospital presented an interesting and rare cases of ovarian, peripheral T-Cell Lymphoma showing further primary and secondary Ovarian Lymphomas and to reiterate the importance of considering lymphomas as a differential diagnosis among solid ovarian tumors.

The third speaker, Andrew Dinan from Alfred Hospital presented a special case talking about the unwanted guest in a Lung Biopsy showing how Glioblastoma multiforme can always confined to central nervous system and how the age and progression can make patient candidate for organ donation.

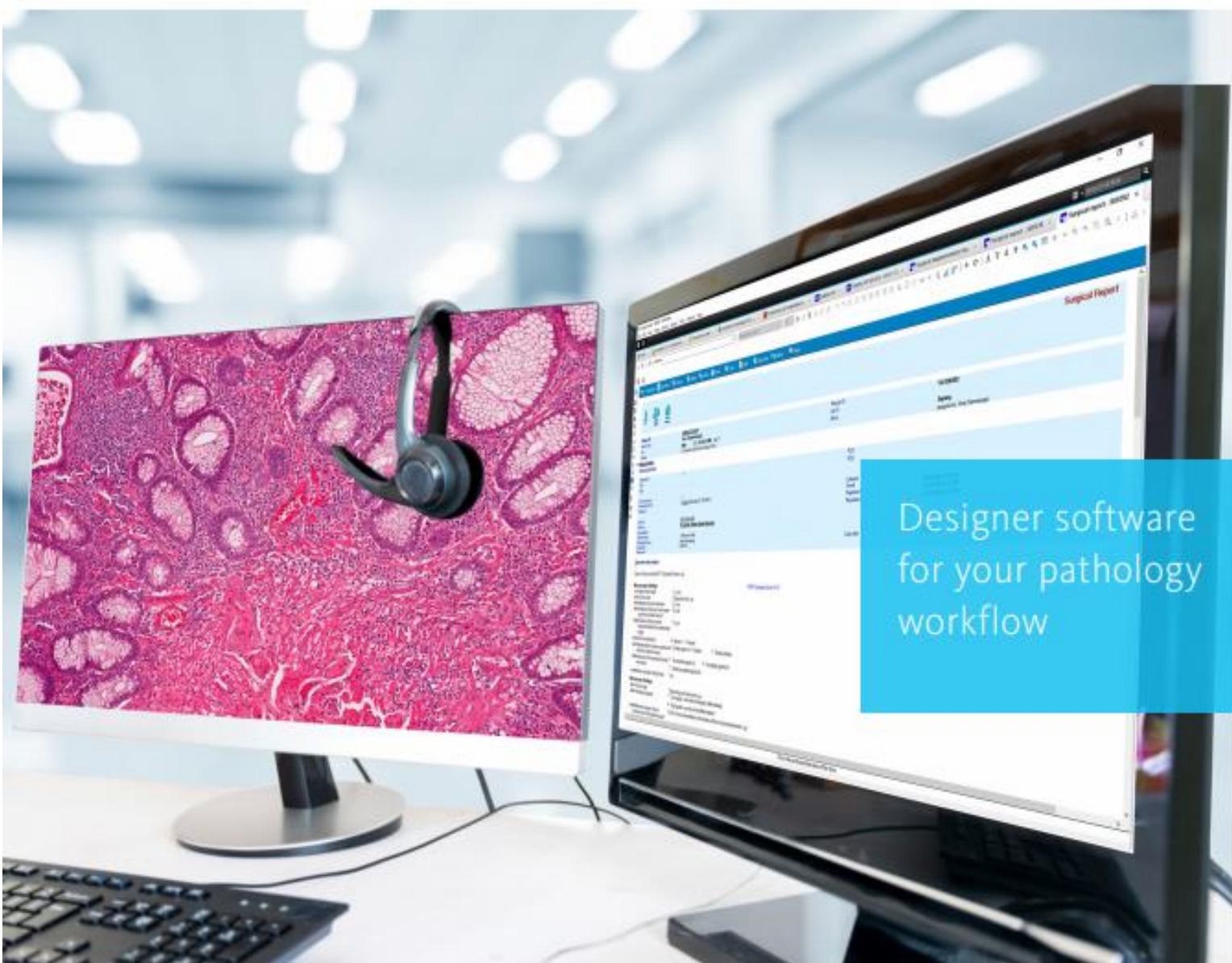


***Andrew Dinan***



***Sandra Van Brummelen***

The fourth speaker Sandra Van Brummelen from Anapath, presented a case of Immature Retroperitoneal Teratoma. The presentation was interesting as this condition is not common. The pathology report strongly suggested that the origin of the tumor was a burnt out testicular cancer.



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# February Scientific Meeting Review continued...

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Amazing presentation presented by the last speaker Trung Nguyen from Cabrini, showing different cases of Melanoma lung, Hamartoma lung and Hepatocellular carcinoma displayed in the below photos.



**Trung Nguyen**

At the end our beautiful HGVT President, Kerrie Scott, displayed multiple questions to showing many artifact in the histological section, which is not normally present in the normal tissue and it may confuse with normal tissue or any pathological changes.



**Kerrie Scott**

Overall an intriguing and informative night, with thanks again to TRAJAN for their sponsorship and to all our speakers for taking the time to share their insights and knowledge. With a strong start to 2020's set of HGVT meetings we are excited to see what else the year has in store for us.

**Ola Aladasi**

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Had a recent exciting life event? While Histology is a fascinating science, it's no less fascinating than the members that make it all work!

The HGVT wants to have a more wholesome representation of its members, and so we are asking for your photo contributions to present in future newsletters to highlight any good vibes you would like to share with the rest of the histology community.

Some ideas could include photos with your team, lab social events, marriages, babies, pets and anything you've achieved that you'd like to shine a light on. Don't be shy, we'd be delighted to celebrate you!

Send your contributions to ([editor@hgvt.edu.au](mailto:editor@hgvt.edu.au)) with a caption and look out for yourself in future newsletters!



**Kellie Vukovic from Melbourne Pathology got married on 18.01.20 at Terindah Estate, Bellarine**



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**Dorevitch Pathology Lawn Bowling Day**



**Leica Mt Waverley held a food truck fundraiser for the Bushfire Appeal**



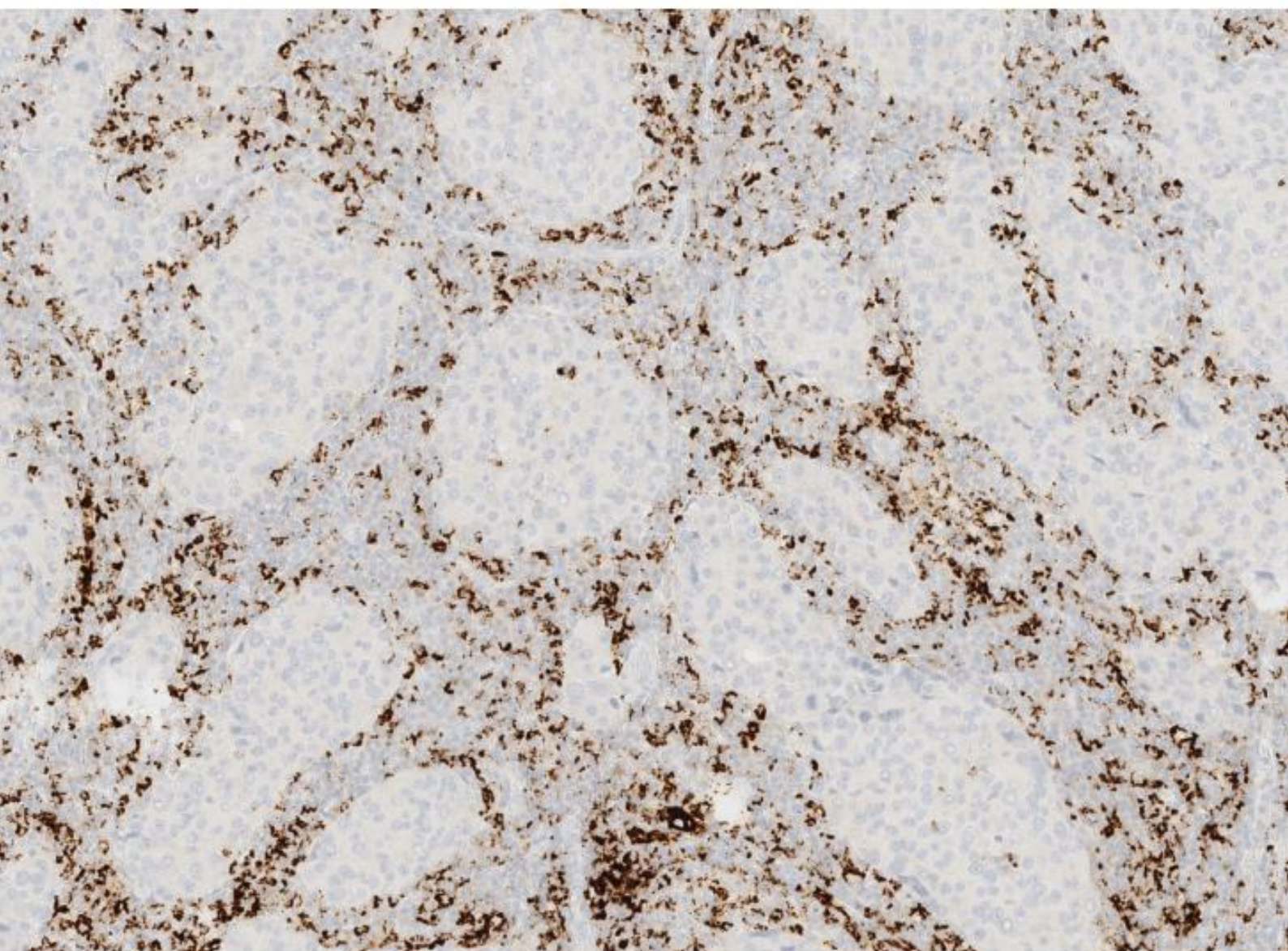
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1. Ventana Medical Systems Inc. VENTANA PD-L1 (SP142) Assay Package Insert.
2. TECENTRIQ Prescribing Information.

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# Journal Article Review

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## Looks like fungi but it isn't-Identifying pseudo-fungi

Author Anthony F. Henwood

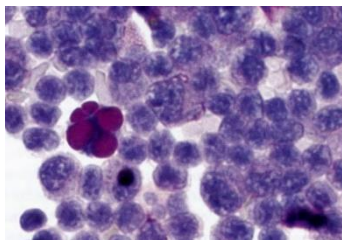
**Journal of Histotechnology, 2017 Vol. 40 No.2 40-45**

Pseudo-fungi are structures that look like true fungi. It is crucial that they are correctly identified as this will determine the treatment a patient will receive. This article looked at several different pseudo-fungi that may cause difficulty if stains are not done correctly and morphology of the structures examined carefully.

The pseudo-fungi were classified into two groups. Those that display features similar to yeast, and those that have structures resembling fungal hyphae. The first group include corpora amylacea, Russell bodies, and Hamazaki-Wesenberg bodies, whilst the second group include fibrin, collagen, exogenous fibers, bacteria, Gamma-Gandy bodies and small branching blood vessels.

Corpora amylacea are small nodular formations often found in aged brains, and in the intraluminal level of prostatic glands. They have the appearance of round, basophilic structures that stain positive with PAS and alcian blue stains. They resemble *Cryptococcus spp* which is not usually a problem when looking at brain or prostate tissue, but can cause confusion in other tissues such as lung. Therefore PAS and alcian blue stains alone will not differentiate between the two, whereas GMS will as *Cryptococcus spp* will stain black whilst corpora amylacea will not, or at the most be faint grayish blue.

Russell bodies are found in plasma cells and can mimic intracellular fungi such as *Histoplasma spp* and *Blastomyces spp*. They stain with PAS stain and due to their uniform size, can look like clusters of yeast. They stain brown-gray with GMS, not black. Guidelines for an accurate histochemical diagnosis are to confirm a positive PAS with a positive classical GMS.



This picture is an example of PAS positive Russell bodies in pleural fluid.

Many other pictures and examples were given, however the take home message is to look at the size and location of the structures in addition to the staining characteristics, ensuring that the stains are done correctly. He cited examples of confusion in GMS where some

people were using 1% periodic acid to oxidise the stain which may result in false negatives. He advocates the classical use of chromium trioxide instead to obtain optimum results.

**Reviewed by Elizabeth Baranyai**



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## Future Events: 2020

Thursday 23<sup>rd</sup> April Educational Evening

Mohs Speaker -Sonya Meena Odhavji

Venue-Peter Mac

Friday 24<sup>th</sup> July and Saturday 25<sup>th</sup> July Workshop and Seminar

Program TBA

Venue Melbourne University

Friday 14<sup>th</sup> August

Trivia Night

Venue TBA

Thursday 15<sup>th</sup> October Educational Evening

Cut up of a Uterus

Speaker Kellie Vukovic

Saturday (TBA) November

½ Day Educational Meeting

Venue- Tasmania Somewhere





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Sarah has worked in the diagnostic market for many years. Whilst completing a Bachelor of Applied Science (Medical Laboratory Science) at LaTrobe University, and a Masters of Biomedical Science at Monash University, she spent University holidays gaining practical experience by working in various pathology laboratories. She also worked in research and development at CSL.

Sarah moved to the commercial sector working for various companies including BD and Siemens, she now assumes responsibility for business development in Victoria, South Australia and Tasmania. Her new role will include promoting innovative new products to MetaGene's southern region customers.

### **Sarah Dower**

Southern Region Sales Manager

**Mobile: 0407 313 453**

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