



Histology Group of Victoria Inc.

Org. No. A003523F  
ABN 49 725 623 468

<http://www.hgv.org.au>

Twitter: @HGV\_Histology

Facebook: <http://www.facebook.com/groups/6832145876/>

# PARAFFINALIA

**Volume 18 Number 5**

**October, 2013**

## **Contents:**

- Blurb from the Bush
- Under the Microscope with Tanja Dimitrijevska
- Journal Review by Samantha Arandelovic
- NSH Providence Rhode Island USA- Report by Elizabeth Baranyai
- Mt. Gambier Meeting 2014
- HGV Committee Nomination form
- November Scientific Meeting/AGM notice
- Future Events 2013

---

*Editor: Elizabeth Baranyai*

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

# Committee Page

The members of the Histology Group of Victoria 2013 are:

Committee Members	Name	Institution	Phone
President	Adrian Warmington	St. John of God Pathology (Victoria)	5320 1171
Treasurer	Judy Brincat	Melbourne Pathology	9287 7785
Editor Paraffinalia	Elizabeth Baranyai	Cabrini Malvern	9508 1263
Trade representative	Kristy De George	Austin Pathology	9496 5792
Web Master	Sean Phefley	Monash Health	9594 3493
Social Secretary	Rebecca Forrester	Peter MacCallum Cancer Centre	9656 1431
Social Secretary	Kellie Vukovic	Peter MacCallum Cancer Centre	9656 1431
Meeting Co-ordinator	Nguyen Nguyen	Peter MacCallum Cancer Centre	9656 1431
	Mark Bromley	Melbourne Pathology	9287 7806
	Rosemary Savino	Monash Health	9594 3494
	Jane Furness	Melbourne Pathology	9287 7785
	Samantha Arandelovic	St. John of God Pathology (Victoria)	0438176517
	Alison Boyd	St. Vincent's Hospital	9288 4288

Please feel free to contact any of the committee members listed above with any comments or suggestions. Contributions are always welcome.

## Advertising:

All enquiries for trade advertising in the next edition, please contact: Kristy De George - [trade@hgv.org.au](mailto:trade@hgv.org.au)

Advertising for the next edition of Paraffinalia closes: **1<sup>st</sup> February, 2014**

## Paraffinalia Rates:

**A4 Electronically Submitted \$275 (inc GST)**  
(Will be colour for e-newsletter and B&W for hard copy)  
**Flat Rate Per page colour**

**Used Equipment FREE**  
**50 words – no logos/no pictures**

**Positions Vacant**  
**No Logo up to 75 words FREE**  
**A4 with logo \$165 (inc GST)**

## Electronic Rates:

**Positions Vacant-FREE email to membership**

**-FREE list on Website**

## Articles & Reports:

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

Please email articles (preferably Microsoft Word format) for inclusion in the next edition to [editor@hgv.org.au](mailto:editor@hgv.org.au)  
All items submitted for publication will then become the sole property of the Histology Group of Victoria Inc.

## Disclaimer:

Any opinions expressed in this publication are solely those of the contributing author and are not necessarily reflective of the Histology Group of Victoria Incorporated or the editor.

**NOTE:** No responsibility is assumed by the Histology Group of Victoria Incorporated for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. It is the users responsibility to ensure that all procedures are carried out according to appropriate Health and Safety requirements.

Copyright of this newsletter "Paraffinalia" is held by the Histology Group of Victoria Incorporated. No material may be reproduced in part or in whole without written consent from the copyright holders. All rights reserved.

# BLURB FROM THE BUSH

---

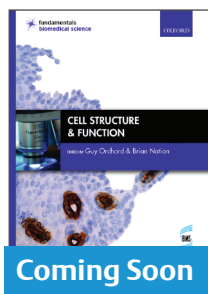
Traditionally the Blurb from the Bush is written from Ballarat, my home town, but as this edition is formulated during school holidays, I am typing from the shores of Phillip Island, overlooking Western Port Bay, giving the old microtomy arms a bit of a rest before we head into the busy home stretch leading to Christmas. Christmas! Already! Well before the jolly red man makes his appearance, the HGV has one more meeting. With the National meeting this year we have been a bit starved of scientific meetings, so here is a great opportunity before the year ends. Our November meeting (advertised in this edition) is combined with our Annual General Meeting, and is a chance to hear what promises to be an excellent scientific presentation along with how the HGV fared during 2012/2013. Nomination forms for the HGV committee are also contained in this edition. We are always after new enthusiastic members to participate on the committee to bring new ideas and a fresh perspective on how we can deliver ongoing education. If you think you might be interested but are not sure what the commitment will mean, please contact one of the committee members and have a chat.

Our November committee meeting is always a big meeting as we commence planning for the following year. If anyone has any suggestions for topics or speakers we encourage you to send these through to [editor@hgv.org.au](mailto:editor@hgv.org.au). Planning is already well under way for a combined meeting between HGV and HGSA in Mt Gambier, South Australia during the March long weekend. Thanks goes mainly to HGSA who are undertaking most of the planning for the meeting, the program for which is developing into a quality field. In addition the HGV are also in the very preliminary phase of organising an entirely new interstate venture towards the end of next year. Many ducks still need to arrange themselves, but we hope to have more news in our next newsletter.

I will continue to put the feet up and watch the spring rains and winds whip the bay into a field of white caps whilst swilling another local merlot.

Adrian Warmington  
HGV President

The **Fundamentals of Biomedical Science** series is written to reflect the challenges of practicing biomedical science today. It draws together essential basic science with insights into laboratory practice to show how an understanding of the biology of disease is coupled to the analytical approaches that lead to diagnosis.

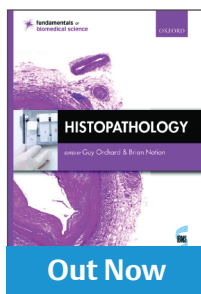


## Cell Structure and Function

Edited by **Guy Orchard**, St. John's Institute of Dermatology, St Thomas's Hospital and **Brian Nation**, Editor, British Journal of Biomedical Science

448pp | Apr 2014  
9780199652471  
**\$63.95 (AUD)**

**Cell Structure and Function** describes the structural and functional features of the various types of cell from which the human body is formed. Focusing on normal cellular structure and function, it gives students and trainees a firm grounding in the appearance and behaviour of healthy cells and tissues on which can be built a robust understanding of cellular pathology.



## Histopathology

Edited by **Guy Orchard**, St. John's Institute of Dermatology, St Thomas's Hospital and **Brian Nation**, Editor, British Journal of Biomedical Science

416pp | Sep 2011  
9780199574346  
**\$65.95 (AUD)**

**Histopathology** describes the processes and practices that are central to the role of the histopathology biomedical scientist, from pre-sampling to diagnosis to laboratory management.

"The book is well illustrated with numerous high quality photomicrographs and well thought out diagrams ... an excellent textbook for anybody interested in pursuing a career involving histopathology."

Dr. Stephen Lau, in Journal of Histotechnology

### Order your inspection copies

Both these titles are available on inspection to anyone teaching a module for which they might be recommended as set texts. Order your inspection copy online at: [www.oup.com](http://www.oup.com)

# Under the Microscope with Tanja Dimitrijevska

## Reported by Kellie Vucovic

---

### **Anatomical Pathology**

#### **Grade Scientist - 2**

#### **Hospital - Cabrini**

##### **1. What was your first job?**

Pharmacy assistant.

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

7 years.

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

When someone has surgery to remove a lump or tissue, that tissue comes to us in histology, we slice it and look at it under the microscope for any abnormalities.

##### **4. Who would you most like to have dinner with and why?**

Richard Gere because he's a silver fox.

##### **5. What is your all-time favourite movie?**

The Karate Kid.

##### **6. What is your favourite stain?**

Masson Trichrome.

##### **7. What is your favourite food/Restaurant?**

Anything from Schnitz.

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

RCPA Melbourne under the microscope.

##### **9. Favourite beverage?**

Beer.

##### **10. What is your dream holiday destination and why?**

Africa. Would love to do a camping safari and see all the amazing animals in the wild.

# Journal Review by Samantha Arandelovic

---

Saxena, Rashmil; Darnell, Adam J. Proliferation in the normal gastrointestinal tract: an immunohistochemical study with Ki-67. Journal of Histotechnology, Volume 35, Number 1, April 2012 , pp. 22-26(5).

The aim of this study is to identify the location of proliferating cells by an immunohistochemical stain for Ki-67 in the normal gastrointestinal tract and its two main accessory organs the liver and pancreas.

In the body there are three types of tissue. First type is non-dividing tissues which consists of mature cells and are unable to replicate such as heart and brain cells. Then there is stable tissue in which the cells have the ability to replicate if required such as kidney and liver cells. The last type is continuously dividing tissues--bone marrow, gastrointestinal tract and skin, there is a constant loss of mature cells which requires constant replacement by continuous replication.

The gastrointestinal tract continuously sheds mature cells from the mucosal surface into the lumen and this loss is made up by constant replication.

Five sections each of normal FFPE human oesophagus, stomach, small intestine, colon, liver and pancreas were used for this study. Four micrometer thick sections were cut- dewaxed and hydrated.

Five minutes of endogenous peroxidase followed by 20 minutes of incubation with protein block. Antigen retrieval at 125°C for 30 seconds in decloaking chamber containing citrate buffer followed by incubation with a pre-diluted antibody to Ki-67. Incubated with polymer detection system, tagged with HRP and developed using DAB as a chromogen.

The results showed that proliferation occurs at:

Oesophagus--basal layer of squamous epithelium

Stomach--neck glands in mucosa

Small Intestine--cells at the base of intestinal crypts

Colon--cells at the base of colonic crypts

Liver--Ki-67 marks scattered hepatocytes, sinusoidal cells and bile duct cells

Pancreas--marks scattered cells on the acini and ducts

In normal oesophagus, proliferating cells are at the base of the mucosa, which means mature cells are at the top of mucosa and unable to proliferate and are eventually lost into the lumen. This requires a continuous movement of cells from

base to luminal surface. However in oesophageal neoplasia, the pattern of Ki-67 staining increases from the base of the mucosa to the superficial layers. Ki-67 expression increases with the increasing grades of dysplasia.

Ki-67 is a nuclear antigen which is present in the nucleus of dividing cells in all phases of cell cycle G1, S, G2 and M, however it is not present in G0 phase which is the resting phase of non- dividing cells.

Ki-67 has been extensively employed to aid in the diagnosis and the recognition of the normal pattern staining is essential because it is against this background that abnormalities of proliferation can be recognised.

Liver and pancreas showed a low proliferative activity, Ki-67 staining in only rare cells, meaning they are stable tissue and most cells are in resting (G0) phase.

Samanatha Arandelovic  
Medical Scientist- Histology  
St John of God Pathology

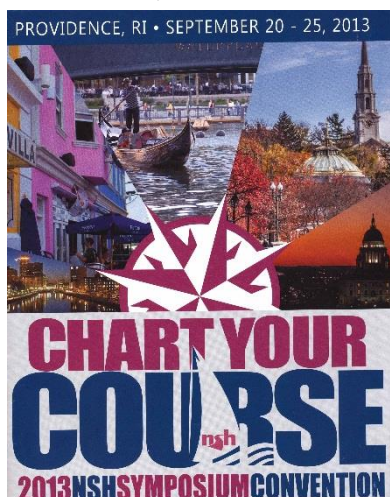


## 2013 NSH Symposium, Providence Rhode Island

This year, the National Society for Histotechnology (NSH) symposium was held in Providence Rhode Island. It was a co-incidence that I was going to be nearby as it was my American husband's 50<sup>th</sup> birthday around the same time as the convention was on. We would be staying at my sister-in-law's place in Massachusetts to celebrate this event, a mere 40 minute drive from the convention centre where the symposium was being held, so I had no excuse not to attend for at least some of the time.

In comparison to our conferences, this one is huge. It began with a welcome party for first time attendees on Friday the 20<sup>th</sup> of September. I went to that and met a friendly bunch of people there. Beth Sheppard, the President of the NSH was the first to greet me and welcome me to the event. I also ran into Jean Mitchell who has presented at a couple of our HGV conferences. She said to give a big hello to everyone here.

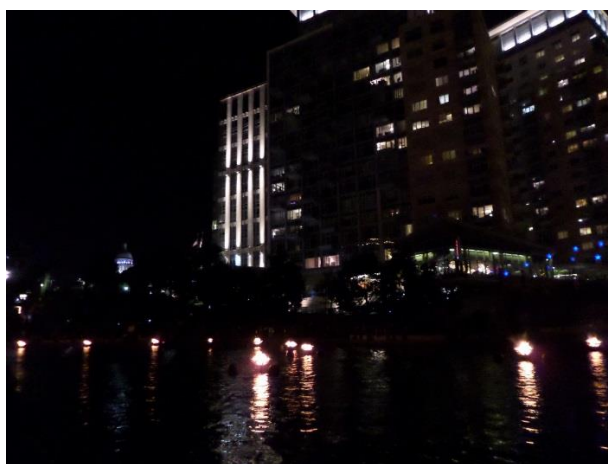
The theme for this year was "Chart Your Course". There were a myriad of workshops that you could choose from, in fact there were 127 of them! They did have from Saturday morning till Wednesday



afternoon to get through them all. The courses ranged from basic to intermediate to advanced. Several sessions ran each day with approximately 10 workshops running concurrently. The symposium allowed people to choose from a range of workshops to advance their careers by attaining a Certificate of Completion. The subjects included for these certificates were Immunohistochemistry, Management, Molecular and Safety. To achieve a certificate, attendees must have accrued a minimum of 9 credit hours in their area of choice.

On the Saturday night there was the 40<sup>th</sup> Anniversary Kickoff Party. Who should I run into but Ted Ditchman and our own Mark Bromley! So we sat together for a while and had a few drinks.

The party was only so so, with only 2 tickets handed out on arrival for drinks. I'd been told by past attendees that this was on the stingy side. So after we'd had our drinks we abandoned the party and went sightseeing. We'd heard that there was a famous light show that took place once a month on the river, and tonight was the night, so off we went to see it. It was a pretty sight with little bonfires lit along the water.





The symposium also displayed a number of posters in addition to all the workshops. They were of a high standard and covered a range of topics.

The trade had to be seen to be believed. It was so much larger than we would ever see. They were all very high tech, using large screen monitors in many cases. Leica had much of their wares inside a huge semi-trailer. I don't know how they got the semi-trailer into the exhibition room. I didn't get to go into the trailer as I got to it at 4.30 just as the area was closing for the day. One of their reps told me to come back in the morning, however I told her I was leaving that evening. Too bad, it would have been good to see inside it. The NSH had a large section which promoted various aspects of histotechnology from IHC to Health and safety dealing with hard tissue as well as all features of their society.



The workshops I had taken were intermediate and advanced, as I'd been advised the basic ones were really basic. Some of them were still fairly basic, and some of the speakers were better than others. However there were some that gave some valuable information such as Dr. Thomas Haas who gave the same Stalking the Big Four lecture he gave at our National Conference. I ran into him and he was very friendly, saying how much he enjoyed his time at our National Conference. Dr. Richard Cartun gave a very good workshop on the interpretation of breast markers. He was interesting because he began his career as a histotechnologist and began by saying he still considered himself to be one despite currently heading his department at Hartford Hospital. He ended by giving us case studies to score, which everyone seemed to do very well.

I heard there were a few other Australians there, but I didn't run into them. Geoff Rolls was giving a lecture on Tissue Processing on the Wednesday afternoon, but by then, I was already on the plane flying home. All in all it was an enjoyable and educational experience that I would recommend people take the opportunity to visit if they have a chance to.

Elizabeth Baranyai  
Cabrini



**Joint Meeting**  
**in Mt Gambier**  
**SAVE THE DATE**  
**8th-9th March**

**2014**

**@ The Quality Inn Presidential**  
**Mt Gambier**



# **Nomination Form for Election to the Committee of Management of the Histology Group of Victoria Inc.**

**Thursday 14<sup>th</sup> November, 2013 Peter MacCallum Cancer Centre**

Nominated Person.....

Institution.....

Email Address.....

Position Nominated For (Please tick box)	President	<input type="checkbox"/>
	Treasurer	<input type="checkbox"/>
	Secretary	<input type="checkbox"/>
	Committee Member	<input type="checkbox"/>

**All nominations must be signed by two HGV members**  
(If you receive Paraffinalia you are a member)

Name of Member.....Signature.....

Name of Member.....Signature.....

**Nominations must have the consent of the nominee**

Signature of Nominee.....

**Nominations must be returned no later than Thursday 7<sup>th</sup> November, 2013.**

Please send nomination form to:  
The Secretary  
Histology Group of Victoria  
PO Box 1461  
Collingwood, VIC 3166

Scanned and emailed to  
[secretary@hgv.org.au](mailto:secretary@hgv.org.au)



# Australia's first Paediatric Intestinal Transplant & AGM

**Speaker:** Tania Marsden

**Date:** Thursday 14<sup>th</sup> November, 2013

**Time:** 6:00 – 6:45 Refreshments  
6:45 – 7:30 Presentation & AGM

**Venue:** Brockhoff Lecture Theatre  
Level 3, Smorgan Family Building  
Peter MacCallum Cancer Centre  
St. Andrew's Place, East Melbourne

Attendance at this meeting contributes to APACE points





## **PARAFFINALIA ADVERTISING PACKAGE 2014**

Receive a 1 page advertisement space  
in each edition of Paraffinalia in 2014  
(5 editions)

For the discounted rate of \$1000!  
(normally \$1250)

Only 3 Advertising Packages available  
for 2014!

*To purchase or enquire about an advertising package  
contact Kristy 9496 5792.*

*Please submit all advertisements electronically to  
[trade@hgv.org.au](mailto:trade@hgv.org.au)*



Histology Group of Victoria Inc.  
Org. No. A0035235F

## Future Events:

# 2013

### **Thursday 21<sup>st</sup> February**

~~Combined HGV/ASC Scientific Meeting Student Presentations~~

~~Venue: The Royal Dental Hospital  
720 Swanston St., Carlton~~

### **Friday, 15<sup>th</sup> March**

~~Lawn Bowls~~

~~Venue: Fitzroy Bowling and Sports Club  
578 Brunswick St, Fitzroy North~~

### **April 26-28**

~~National Histology Conference 2013~~

~~Venue: Crown Conference Centre, Melbourne~~

### **Thursday, 30<sup>th</sup> May**

~~3<sup>rd</sup> International Workshop in Diagnostic Immunohistochemistry~~

~~Venue: Sydney~~

### **Friday 26<sup>th</sup> July**

~~Trivia night~~

~~Venue: Colonial Hotel  
240 King St, Melbourne VIC 3000~~

### **September 2-4**

~~AIMS meeting~~

~~Venue: Grand Hyatt Melbourne~~

### **September 20-25**

~~NSH Symposium Convention~~

~~Venue: Providence, Rhode Island, USA~~

### **Thursday 14<sup>th</sup> November**

~~Scientific Meeting/AGM:~~

~~Australia's first Paediatric Intestinal Transplant by Tania Marsden~~

~~Venue: Peter Mac~~