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AIMS QLD State Branch Committee Members 2021-2022

Chair: Indu Singh

Vice-Chair: Anne-Marie Christensen

Treasurer: Patricia (Trish) Laube & Avinash Kundur

Secretary: Patricia (Trish) Laube & Avinash Kundur

Committee Member: Ali Baradaran

Committee Member: Allan Hicks

Committee Member: Jacqueline DeWirral

Committee Member: Kieren Cheng

Committee Member: *Vacant*

Committee Member: Deborah Orr (PaLs)

Student Members: Caitlin Devonport & Jacob Thamm (QUT)

Eshwin Ranghesh & Andre Jones-Dorr (Griffith)

For all branch enquiries, please contact queenslandaims@gmail.com

AIMS QLD Branch Chair's Report May 2022

Welcome to the Queensland Analyser April 2022. Good to see a better start to the new year with COVID challenge more manageable and under some control. With borders opened and COVID restrictions relaxed it was still not all back to normal as floods started creeping into various territories. I am sure some of our colleagues or their families and friends would have been impacted. Hoping and praying things are returning to somewhat normal for all.

In the first quarter of this year, we have had a few changes to AIMS Queensland Branch committee and AIMS leadership. We would like to acknowledge the support and active involvement of Dr Rebecca Donkin one of our valued members who resigned from the committee. The other major change has been changing over of the AIMS CEO role. Our sincerest thanks to Mr Michael Nolan for his ongoing support and guidance for AIMS Queensland branch activities. Wishing Mike a very happy and well-deserved retirement. We would also like to welcome Ms Sarah Just as the incoming CEO of the AIMS Australia.

Since last newsletter in Dec 2021, we have not had any formal events or activities, but have been busy planning the AIMS Queensland Branch State Conference in collaboration with PaLS to be held on 16th and 17th July 2022 at Gold Coast campus of Griffith University. The Theme will be "Biomarkers of Disease". The registration information and draft schedule with some speakers can be found in this newsletter and on AIMS website. A more detailed final program will follow soon.

In one of the regular features of this newsletter "5 minutes with" we share with you Dr Allan Hick's thoughts as a practising scientist and current program director of Bachelor of Medical Laboratory Science program at Griffith University. We also thank him for sharing his article on effect of COVID-19 pandemic on medical scientists.

Wishing everyone a healthy and happy year ahead. Here's to hoping the rest of 2022 will be less challenging. We hope to see you all 16-17th July 2022 on the Gold Coast and at our other events planned for 2022. In the meantime, stay safe and keep saving lives.

Indu Singh

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AIMS and Griffith University Continuing Professional Development Workshops in Essential Haematology & Immunohaematology

Written by Avinash Kundur

Prof Indu Singh from Griffith University, Medical Laboratory Science program delivered the Continuing Professional Development Workshops for industry practitioners in Essential Haematology & Immunohaematology from 31st January to 4th February 2022 on Gold Coast Campus. The workshop was a great success with up to 16 members from various industry institutions such as Australian Defence Force, Public and Private pathology in Queensland, New South Wales, and South Australia in attendance. The workshop attendees received the Australian Institute of Medical and Clinical Scientists certificate as evidence of 10 CPD points gained towards APACE for each day of attendance and completion of exercises in booklet. Five days intensive workshops added up to 40 hours in total. All attendees also received Griffith University Digital Badges which provides them with credit towards the basic Haematology I course.

Day 1: RBC disorder morphology on day 1 along with a hands-on practical session on running a Haemoglobin electrophoresis and interpretation of results along with FBE, ISTUD & HPLC on a Haemoglobinopathy case study.

Day 2: Full day blood cell morphology class, with the morning session focused on WBC disorder morphology and the afternoon session focused on Malaria morphology, delivered by one of the leading experts in Malaria morphology in Australia, Ms Robyn Wells.



Image 1: Malaria Morphology Workshop presented by Ms Robyn Wells at Griffith University, Gold Coast Campus.

Day 3: Focused on haemostasis, with the morning session dedicated to learning morphology of platelet & coagulopathy disorders. Manual coagulation testing as PT, aPTT, mixing studies and Lupus case studies were completed in the afternoon session.



Image 2: Continuing Professional Development Workshop attendees with the teaching team at Griffith University, Gold Coast Campus.

Day 4: Dedicated to immunohematology /transfusion science. The skills learnt/revised were manual tube method for checking blood group including subtypes and weak D testing, followed by antibody screen and antibody identification using the card (CAT) methods. Finally, crossmatch and phenotyping were conducted for blood transfusion

Day 5: The final day of the workshop, in the morning session elution was performed to identify auto and masked antibodies followed by a team lunch. The afternoon session included investigating a transfusion reaction case study. Finishing the week with awarding AIMS certificates.

After more than two years without face to face meetings, a five-day event with attendees caught up over morning tea and lunch on all five days allowed an ideal environment for learning and networking with scientists from various industries.



Image 3: Team lunch of day 5.

A big thank you to professional body (AIMS), Ms Robyn Wells, Ms Kathy Mitchell, Mr Steve Smith, Ms Samantha Charsley, Dr Avinash Kundur, Prof Indu Singh, Prof Andrea Bialocerkowski and most importantly Ms Heather Gauld, Mr Todd McGrath and Dr Lirio Calderon-Gomez from Griffith University Technical services team for making this event a great success.

Effect of COVID 19 on Medical Scientists

Written by Allan Hicks

What has been the impact on pathology workers in Australia during the CoViD-19 pandemic?

As it now appears that the worst of the pandemic is over and the restrictions have, such as; Quarantine of infected individuals, social distancing and testing largely been removed. These strategies have been shown to be effective in Australia and around the world.

Unfortunately, it appeared that in America the health of the citizens had been politicised with reports that the federal government shelved a national testing program on political party lines. (Eban, 2020) and a 2019 CDC Advisory Committee on Immunisation practices (ACIP) document provided the following clarification which Healthcare providers should be the first to receive the CoViD-19 vaccine,

“Healthcare Personnel does not include dental healthcare personnel, autopsy personnel, and laboratory personnel” (Infection Control in Healthcare Personnel: Infrastructure and Routine Practices for Occupational Infection Prevention and Control Services (2019), 2019)

This failed to protect those arguably most effected by the increase in testing.

Workers in the labs are encountering and handling thousands of samples that have active live virus in them... They truly are front line workers and often are forgotten,”

Amy Karger, MD, Medical Director of MHealth Fairview Point-of-Care Testing. 9/12/20

Many other nations have recognised the importance of testing during the global pandemic.

“These lab staff are working tirelessly to ensure we know the true scale of the outbreak, and to ensure those with Covid-19 know, and get the appropriate care. I want to say on behalf of New Zealand, thank you for your work.”

Jacinda Ardern, Prime Minister of New Zealand addressing the nation on 27.3.20.



Donald J. Trump
@realDonaldTrump

And we are reminded of the Former President of the United States, Donald Trump stance on the pandemic.

The only reason the U.S. has reported one million cases of CoronaVirus is that our Testing is sooo much better than any other country in the World. Other countries are way behind us in Testing, and therefore show far fewer cases!

12:23 PM · Apr 29, 2020 · Twitter for iPhone

41.3K Retweets 240.4K Likes

However, in Australia its was a different message;

“Currently, pathologists in Victoria can process up to 18,000 tests a day” Mr Daniel Andrews, Premier of the State of Victoria, 25.6.20

On the 18th January, 2021 Dr Debra Graves, CEO of the RCPA and Dr Lawrie Bott, VP of the RCPA were quoted in an article published by the Australian Broadcasting Corporation (ABC) The article discusses the fact that Australia has recorded 12 million CoViD tests, equivalent to almost half the population.

“Australia's current position of having effectively suppressed the virus to intermittent outbreaks owes much to the year-long dedication and ingenuity of 35,000 pathologists,

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“Australia's current position of having effectively suppressed the virus to intermittent outbreaks owes much to the year-long dedication and ingenuity of 35,000 pathologists, medical scientists, lab technicians, couriers, phlebotomists and ancillary personnel, who've worked tirelessly every day to keep us safe.” (Graves & Bott, 2021)

Considering the nature of the outbreak and the incredible level of testing that has been required, it would be reasonable to assume that the various Pathology organisations have necessarily required to recruit new staff, upskill current staff, adjust staff schedules or sequester staff from other departments. This training will be required to be reviewed by the NATA inspection teams at the laboratories next scheduled inspection to ensure compliance with ISO 15189 regulations for staff training and competency.

As part of my PhD thesis I conducted a workplace survey of medical scientists with a question about the effect of the pandemic on the pathology industry in Australia which provide some contrasting insight.

*“It has brought pathology labs to the fore, but we still need to emphasize the difference between pathologists and scientists in the public perception.” **Laboratory Manager with more than 20 years’ experience** “*

*“The industry has been stretched to the limit... workforces were divided into two or in some cases three groups. Many groups were unable to function due to lack of trained, qualified personal.” **Laboratory Technologist with more than 20 years’ experience***

“Exhaustion, and a complete silence in the media about any role of medical scientists in the process. Research into vaccines gets coverage. People shoving swabs up noses get coverage. ‘Frontline workers’ get coverage. All deserved. But the swabs don’t turn magically red or green. The role of laboratories in testing (and everything else) has been overlooked”

Laboratory Supervisor more than 20 years’ experience

*“We have experienced periods of 1000% increase in workload during outbreaks... recession has meant staffing is sparse and global outbreak has meant laboratory supplies are difficult to source often requiring sharing among many locations.” **Medical scientist with less than 5-year experience***

“Staff burn out and increased stress due to decisions made for and about pathology by clinical teams who sit outside of pathology...tension between pathologists and scientists due to disagreements between testing methods for CoViD...the scientists understand the testing a lot better as are the ones performing them with the pathologists only signing off at the end.”

Lab Supervisor with less than 5 years in the role.

This research shows that the work of medical scientists has a significant clinical influence, albeit largely hidden from public view and is clearly not understood by the public or the Healthcare industry. Laboratory testing is the still **only definitive** method of ascertaining a patients CoViD status and this virus has the capacity to be fatal or cause chronic ongoing health problems.

It would be fair to argue that the work of medical scientists has a direct impact on the level of care that may be required. Now is the time for the medical profession and the Australian Government to rethink its stance on regulation of medical scientists and recognise the critical work conducted by the highly educated and skilled practitioners. This work is providing the public and the entire healthcare framework with the critical information to manage this pandemic. It can no longer be dismissed as not being as critical to patient outcomes as the work of their colleagues.

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5 minutes with Allan Hicks



1. Where do you work?

Currently I am the program director for the Bachelor of medical laboratory science degree at Griffith University and I was previously the Education and Training Manager at Sidra Medicine in Doha, Qatar.

2. What do you like best about being a medical scientist?

The human body was considered by Leonard da Vinci to be the single greatest piece of engineering in existence and after 20 years I still find things about our bodies that amaze me.

3. Do you believe that there will be any lasting changes to the Pathology industry in the post Covid-19 world?

I genuinely hope so.

4. What future development/s direction/s in the industry are you excited about?

The pandemic has forced the development of new technologies and I love new toys.

5. If you could choose to have any superpower, what would it be and how would you use it?

I would have Dr Strange's time travel abilities so I could wind it back to the end of 2019 and stop the pandemic before it happened

AIMS QLD Branch State Conference & PaLS Scientific Meeting

Topic

Biomarkers of Disease

Date

16th-17th July 2022

Venue

**Griffith University, Gold Coast Campus, Southport,
QLD**

Registration

Register at

www.aims.org.au



Non-AIMS Members - \$400

AIMS Members - \$300

Student Members - \$50

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AIMS & PaLS Combined QLD State Meeting 2022

Griffith University, Gold Coast
Proposed Event Schedule

Day 1: Saturday 16th July 2022

| | AIMS SPEAKERS & TOPIC | PaLS SPEAKERS & TOPIC |
|------------------|--|--|
| 8.00 – 9.00 am | Registration | |
| 9.00 – 9.10 am | Welcome and Housekeeping Professor Indu Singh, AIMS Qld State Branch Chair & Ms Deborah Orr, PaLS Chair | |
| 9.10 – 9.20 am | Welcome to Country Uncle John Graham, Kombumerri Elder, Traditional custodian of the Gold Coast | |
| 9.20 – 9.30 am | AIMS Fellowship Awards Ceremony Ms Sarah Just, AIMS CEO | |
| 9.30 – 10.10 am | Plenary Session Ms Maureen Jacobsen, APACE Chair & Ms Sarah Just, AIMS CEO | |
| 10.10 – 10.30 am | Morning Tea | |
| 10.30 – 10.55 am | Cytopathology Associate Professor Paul Shield | Pre-analytical challenges in the field ADF Speaker TBA |
| 10.55 – 11.20 am | Advances in cytogenomic testing Dr Adaxalam Nandini | WBIT – Is the retraining program effective? Ms Karen Dent |
| 11.20 – 11.45 pm | Genetic diagnostics Mr Ben Luddie | Inappropriate centrifugation Mr Kieran Cheng |
| 11.45 – 12.10 pm | Biochemical markers of COVID-19 Dr Peter Vaxxaart | Pre-analytical variables causing erroneous results: Case Study Dr Elizabeth de Waal |
| 12.10 – 12.35 pm | Microbiology Ms Shane Byrne | Cytopathology specimen requirements Associate Professor Paul Shield |
| 12.35 – 1.15 pm | Lunch | |
| 1.15 – 1.30 pm | AIMS Qld State Branch Annual Meeting | |
| 1.30 – 2.15 pm | Plenary Session: Pathology Laboratory Cybersecurity Breach Mr Alesh Joseph (New Zealand) | |
| 2.15 – 3.00 pm | Sponsor Presentations | |
| 3.00 – 3.20 pm | Afternoon Tea | |
| 3.20 – 3.55 pm | Transfusion Science Dr Anne Haughton | Genomics. What does it mean to me? Mr Ben Luddie |
| 3.55 – 4.20 pm | Stem cells and haematology Ms Penny Toland | Remit of samples in cytogenetics Ms Brodie Lingard |
| 4.20 – 4.45 pm | Flow cytometry Speaker TBA: QML | Pre-analytical factors affecting newborn screening results Mr Ricky Price |
| 4.45 – 5.10 pm | POCT – AnteoTech Dr Charlie Huang | Early Prediction of Adverse Pregnancy Outcomes Dr Olivia Holland |
| 5.10 – 5.15 pm | Close and end day 1 | |
| 7.00 – late | Dinner, Drinks & Music UniBar Restaurant | |

Day 2: Sunday 17th July 2022

| | AIMS SPEAKERS & TOPIC | Student Member Workshops |
|------------------|---|---|
| 9.30 – 9.35 am | Welcome and Housekeeping Professor Indu Singh, AIMS Qld State Branch Chair & Ms Deborah Orr, QALS Chair | |
| 9.35 – 10.20 am | Plenary Session Ms Tanya Constantino: Doctors without Borders | |
| 10.20 – 10.40 am | Sponsor Presentation | |
| 10.40 – 11.10 am | Morning Tea | |
| 11.10 – 11.35am | Pathology in the ADF Speaker TBA | Graduate Employability Workshop Hosted by AIMS QLD State Branch Student Committee Members for BML S students |
| 11.35 – 12.00 am | Anatomical Pathology Dr Caroline Cooper | |
| 12.00 – 12.25 pm | Biomarkers in Forensics Speaker TBA | |
| 12.25 – 12.55 pm | A short history of Malaria Ms Robyn Wells | |
| 12.55 – 2.00 pm | Closing remarks followed by lunch | |



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The **APACE (Australasian Professional Acknowledgement of Continuing Education)** scheme is a voluntary programme that recognises continuing education, formal courses and a wide range of professional activities which contribute to your professional growth.

The healthcare industry is undergoing rapid change. We are expected to keep our knowledge and skills up to date to enable us to perform to the highest professional standard. The **APACE** scheme provides a method by which your professional activities are recognised.

APACE has been approved by the **New Zealand Medical Laboratory Science Board** as a re-certification programme for **New Zealand Medical Laboratory Scientists**.

APACE has been approved by the **Royal College of Pathologists Australia (RCPA)** as a continuing professional development recognition programme for Fellows of the Faculty of Science.

Why should I join the APACE Scheme?

APACE credit points can be claimed for all approved continuing education participated in over a 2-year period. It is simple and easy to do. Collect an attendance certificate or alternatively all AIMS run activities have an attendance sheet which is sent to head office as a record. A wide range of activities will contribute to points, ranging from employment to serving on professional committees.

What are the benefits of being APACE accredited?

- APACE provides formal recognition of activities that may have been pursued without recognition elsewhere- contributes to a professional development portfolio.
- Apace certificate looks great in a Resume.
- Encourages individuals to maintain, improve and extend their knowledge and skills.
- CPD is about keeping up with current and new developments and practices.
- Encouraging staff participation ensures a competent workforce and enhanced service quality and reliability.
- CPD demonstrates personal commitment to ongoing continuing education and professional development to current and future employers.
- Knowledge gained through CPD may enable individuals to reframe complex problems and gain new insights.

How do I start collecting Points?

- APACE is open to and included in your membership fee for all AIMS members, and also open to AACB, ASM, ASTH, ANZSBT, and FSA (SIRT) for a small fee.
- The Activity Credit guide is located online, Login to the AIMS website and go to the members area to check for included activities and points values.
- Keep a record of all activities completed, including dates and a description of the activity.
- Activities are conveniently logged online, no need for hard copies.
- An APACE Certificate is issued when you notify head office that you have accrued 100CEU in a 2-year period.
- Limits on types of activities have been temporarily removed, in recognition of the difficulties in accessing activities during the pandemic. Limits will be reestablished when things return to normal.
- Then you are well on your way to your APACE Certificate! 😊

For more information and to enrol visit <http://www.aims.org.au/apace>

Note on Student Membership Application Forms

The one-page form is currently for full-time students only and has to be signed or emailed from institutional email address by the Course Coordinator or an officer of the university. The two-page form is for all other applicants. Both forms are available at <http://www.aims.org.au/membershipinformation/join>

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Ortho Highlights at IFCC World Lab 2022



The image shows a collection of laboratory equipment, including analyzers and storage units, arranged in a modern setting. To the right, a family consisting of a father, a mother, and a young girl are smiling. The background is decorated with various icons representing healthcare and technology.



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