



ANZACA

AUSTRALIAN AND NEW ZEALAND
ASSOCIATION OF CLINICAL ANATOMISTS

IN THIS ISSUE

THE PRESIDENT'S REPORT 1

**GOOD NEWS STORY
QS WORLD RANKINGS** 3

MEET THE STUDENTS 4

NEW TEXTBOOKS 6

RECENT PUBLICATIONS 7

2021 CONFERENCES 9

BOOK CLUB 10

HIRING 11

The President's Report

*by Quentin Fogg,
Associate Professor in
Clinical Anatomy,
The University of Melbourne*



And, seemingly just like that, we're half way through 2021. The top of everyone's list continues to be COVID and how it is impacting our lives. Across Australia and New Zealand we've seen restrictions come and go, the promise of something more "normal" being briefly so close, then lost once more. Writing this in Melbourne as our fourth lockdown is, hopefully, drawing to a close, the unpredictability of pretty much everything looms large. Most of you will also be finishing up a busy first semester of teaching; the new challenges presented in our mid-COVID world continue to stretch many of us, some of the time leading us to innovate and celebrate new triumphs, and other times just making everything a little bit harder. As always, please reach out to your ANZACA colleagues should you need help, support or just to feel more connected.

This issue has once again been expertly put together by Dr Amanda Meyer, who continues to do a spectacular job in collating and designing such a great-looking (and reading!) newsletter. If you have anything that you'd like to share in our next issue, please contact Amanda. In this issue we celebrate the achievements of our members, the world rankings of our leading Universities and get a sneak peak at the next generation of anatomists.

*This newsletter has been compiled and
edited by*

DR AMANDA MEYER

*from the University of Western Australia.
If you have anything you'd like to contribute
to the newsletter, please email:
amanda.meyer@urwa.edu.au*



anzaca.org

The President's Report continued

Of particular note, our student representative, Joyce El-Haddad, has facilitated our introduction to the new Anatomy Honours students at UNSW; it is fantastic to read about their passion for anatomy and enthusiasm at getting into some exciting research. If you'd like to share similar introductions to students at your University, please get in touch!

We also highlight the latest publications from ANZACA members. It's great to see us contributing to books, a wide range of journals and, excitingly, challenging dogma through digital publication. This issue rounds off with upcoming conferences, our book club and job listings. If you have anything you wish added to these, please do so at any time. You'll notice our 2021 Conference listed amongst the numerous other (mostly online) events happening this year. Our 2021 hosts at LaTrobe University are busy putting together a wonderful conference that you'll definitely be able to enjoy online, but may even get to experience in person (fingers and toes are crossed for that!). Please stay tuned for more information over the coming weeks and months, as our COVID status hopefully settles as vaccination rates increase. To make sure you stay connected with ANZACA, we'll also be getting in touch soon about membership dues to 2021. These were suspended in 2020, but now we hope to get things moving ahead once more, and your support will enable that to happen. In these turbulent times we will continue to commit to online engagement, even when face-to-face events return, so even if you are not able or interested in travelling to us, you're always welcome online.

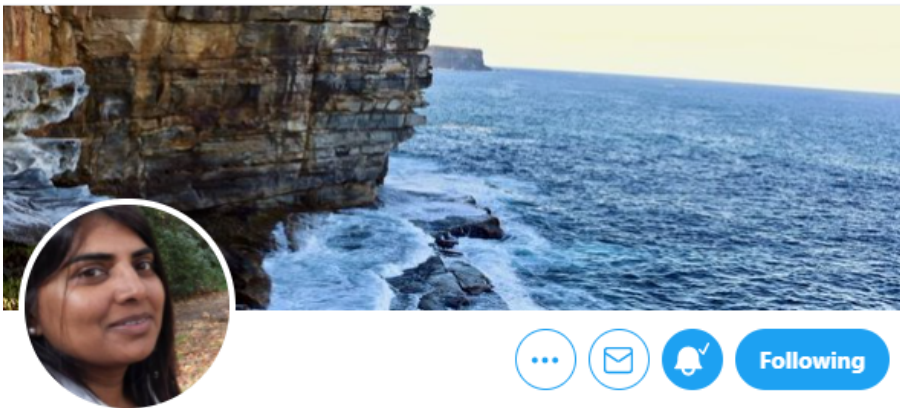
So we're half-way through another challenging year, with plenty more hurdles in front of us. I'm particularly keen on a bit of a rest after an enormous first semester, and am sure many of you feel the same. Others will be gearing up for (is it too soon to write this?!) a big semester two, or perhaps maintaining a busy mix of teaching, research and admin all the way through. Wherever you are, and however hectic things get, please remember that ANZACA is there for you. Please keep an eye on our social media channels and let us know how we can help.

Wishing you all the very best for the next phase of the year,

Quentin



GOOD NEWS STORY



Prof Nalini Pather









@NaliniPather Follows you

Professor @UNSWAnatomy | ❤️ 🧠 Anatomy, Ethical Decision Making, Digital Technologies, Medical Imaging, Growth & Development, Outreach & Communications

📍 Sydney, New South Wales 📅 Joined June 2009

Dr Nalini Pather (Professor of Anatomy, University of New South Wales) has begun her tenure as Associate Editor for Anatomical Sciences Education journal. Dr Pather is highly valued member of ANZACA and the American Association for Anatomy. In 2020, Dr Pather was appointed Chair of the Federative International Program for Anatomy Education (FIPAE).

QS World University Rankings 2021

15		The University of Melbourne 📍 Parkville, Australia
26		The University of Western Australia 📍 Perth, Australia
28		The University of Sydney 📍 Sydney, Australia
29		The University of Queensland 📍 Brisbane, Australia
37		Monash University 📍 Melbourne, Australia
40		University of Otago 📍 Dunedin, New Zealand ⭐ 5+ QS Stars
47		The Australian National University 📍 Canberra, Australia
50		The University of New South Wales (UNSW Sydney) 📍 Sydney, Australia

The QS World University Rankings by Subject are based upon academic reputation, employer reputation and research impact. Eight universities from Australia and New Zealand are in the Top 50 for Anatomy & Physiology in 2021.



MEET THE STUDENTS

Thank you to Joyce El-Haddad for introducing us to six of the Honour Students at The University of New South Wales. Below you can read what Xavier, Asena, Rahul, Peter, Rachel and Jordan are researching.



"Hi, I'm Xavier, I'm a recent medical science graduate at UNSW and am currently commencing an honours year in anatomy. My project is focused on the 3D modelling of the gallbladder and cystic duct and aims to contribute to the current understanding of its geomorphometry. What we find in the literature is a lack of reference standards, especially in the paediatric population. Furthermore, 3D modelling could have implications for improved diagnosis for gallbladder diseases as well as contribute as an imaging tool during surgeries where we do not have a clear visual field, as seen in laparoscopic cholecystectomy."

- Xavier Biala (supervised by Prof. Nalini Pather & Prof. Daniel Moses)



"Neurons that produce the neuropeptide orexin degenerate in Parkinson's disease (PD). My project will use a rodent model to examine the impact of the loss of orexin on behaviour. It is expected that selectively knocking down the production of orexin in the brain will result in motor and cognitive symptoms that are typically seen in PD. This will extend on the known neurocircuits which underlie PD."

- Asena Bingul (supervised by Dr Teri Furlong)



"My name is Rahul and I am currently doing completing my honours in human anatomy before I begin studying medicine next year. My honours project aims to identify and address current issues associated with medical imaging of Hypertensive Heart Disease. I will be studying an emerging field of diagnostics called Radiomics to see how it can be used to improve current diagnostic methods. My radiomics model will be based on using complex algorithms to extract quantitative characteristics from CMR images of the hypertensive heart. These characteristics will then form large databases which undergo statistical analysis that allows for disease diagnosis to be made."

- Rahul Prabh (supervised by Prof. Nalini Pather & Prof. Daniel Moses)

MEET THE STUDENTS



"My name is Peter Lautre, and I am a Medical Science graduate currently undertaking an Honours year with the Anatomy Department at UNSW. My project concerns functional anatomy of the limbs, specifically the knee joint in the paediatric adolescent population. It aims to expand on the literature's current understanding of knee injuries in youth sports. Firstly I aim to explore changes in the alignment of the knee which has shown Varus progressions and the potential implications of the tibial growth plates in these changes. Secondly I will examine imbalances in the musculature of the players as a result of sports-specific movements and play, with the potential to determine if there is a significant association between the muscle and alignment changes. This would help to understand certain knee injuries, such as ACL and meniscus tears as well as later-life osteoarthritis progression, with a Varus alignment implicated in these conditions."

- Peter Lautre (supervised by Prof. Nalini Pather & Dr Stanley Serafin.



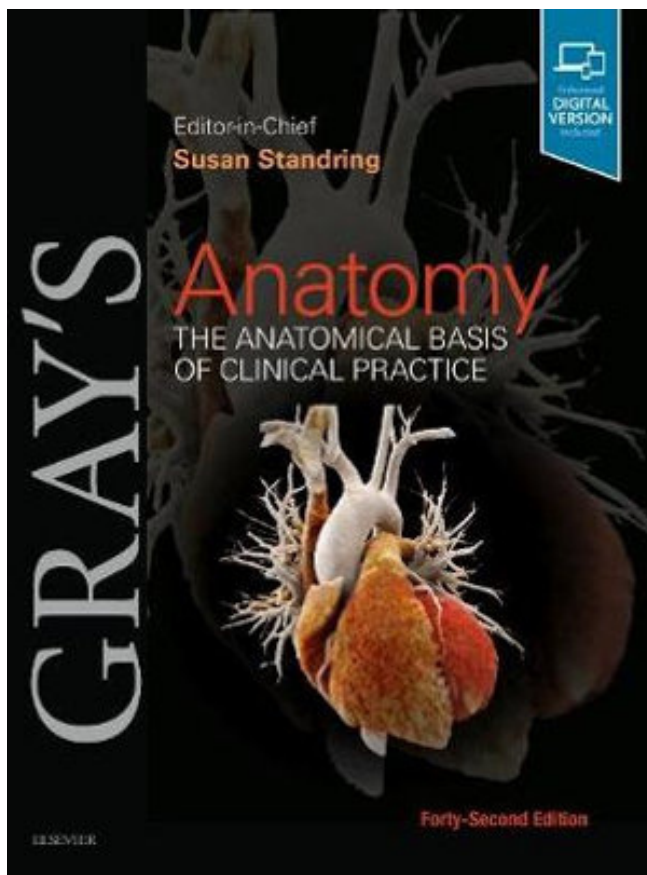
"This year I have been researching into the uses that ultrasound could have for anatomy education alongside my supervisors, Prof. Nalini Pather, Joyce El-Haddad and Jeanette Thom. Even though ultrasound is highly useful for clinical medicine, the value that ultrasound has for understanding anatomy is largely unknown. I am therefore using my honours year at the University of New South Wales to survey anatomy course coordinators and determine the extent to which ultrasound is used within non-clinical anatomy courses. This year, I am also running and assessing an ultrasound activity in a non-clinical anatomy course so that I determine whether ultrasound is valuable for anatomy education." - Rachel Lawrence



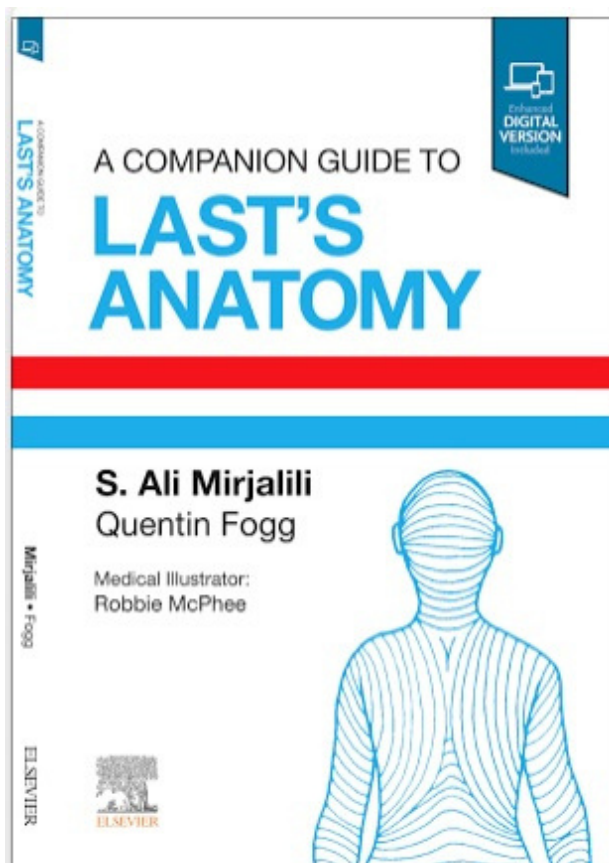
"Hi my name is Jordan, and I am a science honours student at UNSW. My current research involves 3D printing technology on zonal prostate anatomy. The different zones in prostate anatomy have been traditionally difficult to teach using current methods such as cadaver viewing, due to its uniform appearance. My research aims to use 3D printed models of the prostate to help students better visualise and understand the organ. In my free time, I like to travel the world, but lately I have found myself tinkering with computers and gaming, due to the travel restrictions in place. Beside is a picture of me on the peak of Mt. Titlis in Switzerland (brr!)."

- Jordan Kresnanto (supervised by Prof. Nalini Pather & Dr. Reza Shirazi.

NEW TEXTBOOKS



- Each chapter has been edited by international leaders in their field, ensuring access to the very latest evidence-based information on topics
- Over 150 new radiology images, offering the very latest X-ray, multiplanar CT and MR perspectives, including state-of-the-art cinematic rendering
- The downloadable Expert Consult eBook version included with your (print) purchase allows you to easily search all of the text, figures, references and videos from the book on a variety of devices
- Electronic enhancements include additional text, tables, illustrations, labelled imaging and videos, as well as 21 specially commissioned 'Commentaries' on new and emerging topics related to anatomy
- Now featuring two extensive electronic chapters providing full coverage of the peripheral nervous system and the vascular and lymphatic systems.



- Synopsis of the key learning outcomes contained within Last's Anatomy for quick and easy reference.
- Easy to follow key information and anatomical details, to assist with GSSE exam preparation.
- Colour diagrams and prosection images replicate GSSE questions.
- All anatomical details align with the 9th edition of Last's Anatomy and the GSSE.
- An eBook included in all print purchases.

RECENT PUBLICATIONS

Click on the title to take you to the full text page.

Hughes, Diane L.; Whitburn, Laura Y.; Colasante, Meg; McDonald, Aaron C.; McGowan, Heath; Zacharias, Anita; and Green, Rodney A., Developing anatomy demonstrators of the future: The role of team-teaching, *Journal of University Teaching & Learning Practice*, 17(5), 2020.
Available at: <https://ro.uow.edu.au/jutlp/vol17/iss5/10>



Original Communication

Morphological alterations of the cornea following Crosslinking Treatment (CXL)

Sandeepani K. Subasinghe ✉, Kelechi C. Ogbuehi, Logan Mitchell, George J. Dias

First published: 13 February 2021 | <https://doi.org/10.1002/ca.23728>

**Anatomical Sciences
Education**



RESEARCH REPORT

Identification-based multiple choice assessments in anatomy can be as reliable and challenging as their free response equivalents

Jan Douglas-Morris, Helen Ritchie, Catherine Willis, Darren Reed ✉

First published: 08 March 2021 | <https://doi.org/10.1002/ase.2068>

Bioethical Inquiry
<https://doi.org/10.1007/s11673-021-10095-2>

CRITICAL PERSPECTIVES

The Dubious Practice of Sensationalizing Anatomical Dissection (and Death) in the Humanities Literature

Carl N. Stephan • Wesley Fisk

RECENT PUBLICATIONS



PAPER

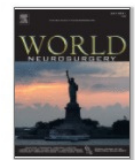
Next-generation osteometric sorting: Using 3D shape, elliptical Fourier analysis, and Hausdorff distance to optimize osteological pair-matching

Hayley S. M. Fancourt BSc (Hons), Jeffrey J. Lynch MSc, John E. Byrd PhD, Carl N. Stephan PhD ✉

First published: 06 February 2021 | <https://doi.org/10.1111/1556-4029.14681>



World Neurosurgery
Volume 149, May 2021, Pages e217-e224



Original Article

Neuroanatomy Teaching in Australian and New Zealand Medical Schools

Hamish J. Newman ^{1, 2} ✉, Amanda J. Meyer ¹, Sandra E. Carr ²

MEDIA WATCH



Redefining anatomical language in healthcare to create safer spaces...

As our understanding of sex and gender is changing, the language of healthcare is...



Monash Biomedicine Discovery Institute ...

2021 Conferences

American Association for Anatomy Annual Meeting.

27-30 April, 2021

Virtual with discounted registration rates in 2021!

Abstract deadline was 7 January, but late-chance abstracts will be accepted from 14 January-4 February with a \$100 non-refundable processing fee and will not be eligible for oral presentation.

Human Anatomy & Physiology Society.

23-26 May, 2021

Virtual conference

American Association of Clinical Anatomists Annual Meeting

28 June - 1 July, 2021

Virtual conference

Anatomical Society Summer Meeting 2021

7-9 July, 2021, Glasgow

British Association of Clinical Anatomists Summer Meeting 2021

Date to be announced

Virtual meeting hosted by Dr Abduelmenem Alashkam (University of Edinburgh)

AMEE (An international association for medical education) Meeting 2021

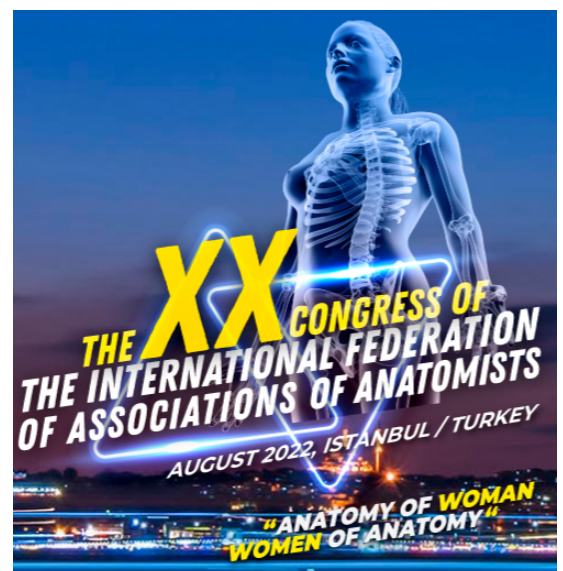
27-30 August, 2021, Glasgow, UK

Hybrid conference

ANZACA Meeting 2021

1-3 December 2021, Melbourne, Australia

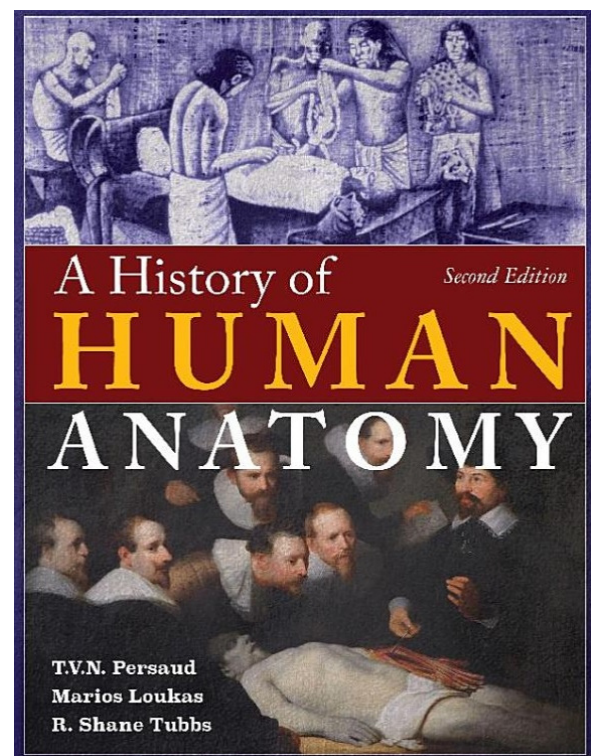
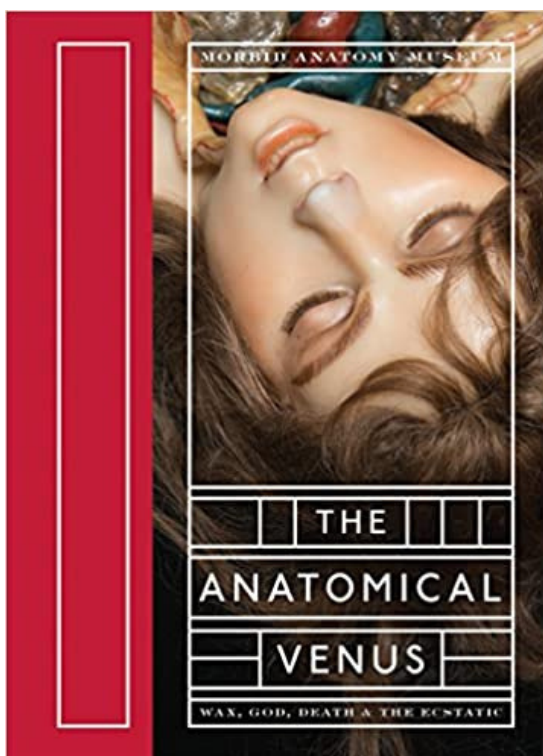
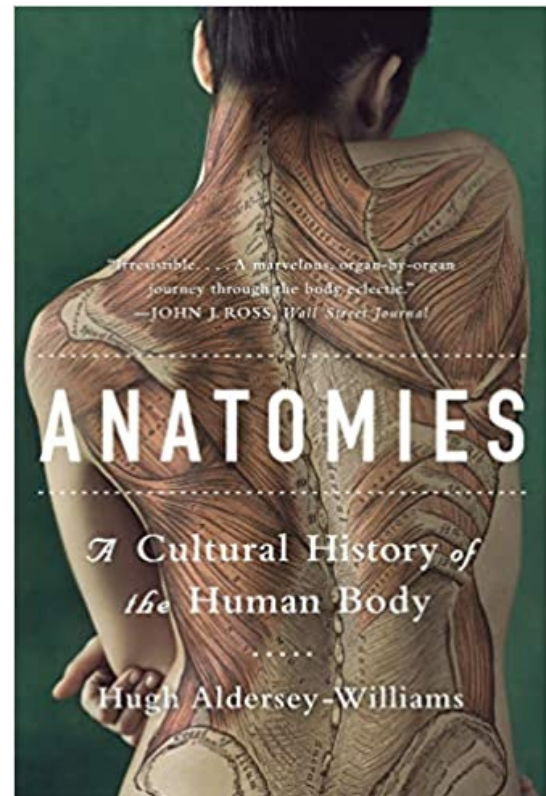
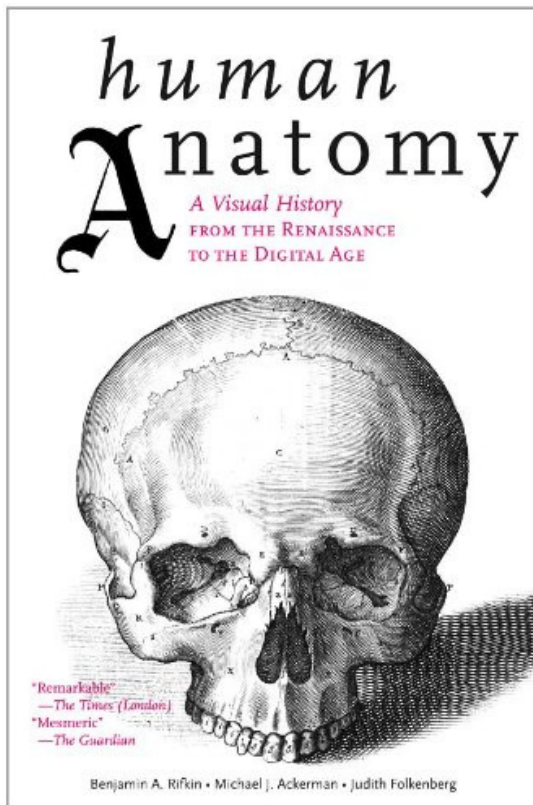
Please note the 20th IFAA Congress which was scheduled for 6-8 August 2021, in Turkey, has been postponed to August 2022.



BOOK CLUB

Read a book that you enjoyed so much you'd recommend it to all your anatomist friends?

Send your recommendations to amanda.meyer@uwa.edu.au.





HIRING

Current job opportunities advertised online include:

Technical Officer Anatomy

University of Tasmania – Hobart TAS

 \$69,433 - \$77,541 a year  Full time



7 days ago, from seek.com.au

Technical Officer in Anatomy

- Full time, ongoing position
- Based in Hobart.
- Facilitate and provide technical support to the Body Bequest Program.

Senior Tech Officer (Microbiology, Biotechnology & Anatomy)

Charles Sturt University – Wagga Wagga NSW

 \$79,051 - \$85,546 a year  Full time

4 days ago, from seek.com.au

- Provide leadership and technical support to staff and students
- Work in a laboratory setting with a specialised focus
- Promote and support a safe working environment