



# ANZACA

AUSTRALIAN AND NEW ZEALAND  
ASSOCIATION OF CLINICAL ANATOMISTS

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## The President's Report

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



Hello ANZACA members!

Welcome to 2021, which I can unreservedly write that I sincerely hope it will be better than 2020! Despite the challenges we all faced, it was heartening and inspiring to see so many ANZACA members making the most of things, and also to see some thriving. If you were unable to make the most of the situation, or you didn't thrive under the circumstances, you are not alone, and I genuinely hope the forthcoming year is looking a little brighter.

It was particularly inspiring to see ANZACA members taking to the international stage in 2020. Nalini Pather (UNSW) and Michelle Lazarus (Monash) led a cohort of members in publishing one of the first responses to teaching anatomy in the middle of this pandemic; their paper can be found in volume 13(3) of Anatomical Sciences Education. Please have a look through this newsletter for more updates on what our amazing members have been up to, and keep an eye out for future newsletters, and on our social media channels, for more success stories. Of course, if one of those success stories is you, please don't be shy and do let us know!

*(continued overleaf)*



*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@uwa.edu.au](mailto:amanda.meyer@uwa.edu.au)*

[anzaca.org](http://anzaca.org)

# The President's Report continued

2020 also saw a new edition of Gray's Anatomy being published. It was an honour to be able to contribute to the 42nd Edition, and it was great to see more ANZACA members contributing. Congratulations to Ali Mirjalili (Auckland), who was also a first-time contributor, and to Mark Stringer (Otago Wellington) for once again being recognised and once again contributing. It was especially pleasing to see Stephanie Woodley (Otago) recognised for her expertise again, and this time as the Section Editor for the Pelvic Girdle and Lower Limb. It is thrilling (but not surprising) to see ANZACA so well represented in this iconic text; the particularly strong NZ contribution has not gone unnoticed 😊.

The end of 2020 saw the great success of our first online Conference. More details will follow in this newsletter, but I'd like to thank Team Otago for putting together such an excellent event, the invited speakers for performing so brilliantly, and the HUGE number of attendees who contributed by watching, engaging in the chatroom and asking great questions. Of course, our conferences wouldn't be possible, even digitally, without our sponsors, so particular thanks go to Elsevier, 3D Organon and McGraw Hill; thank you for your ongoing support of ANZACA.

At the end of 2020 we also saw a changing of the guard. Rod Green (Latrobe) concluded his hugely successful time as President, during which he helped ANZACA to grow without losing its friendly, family-like atmosphere. Stephanie Woodley (Otago) completed her term as Treasurer (NZ); thank you Steph for your superb efforts in this important role. Nalini Pather (UNSW) and our student representative, Georga Bruechert (Melbourne), concluded their terms on Council, and in late 2020, Ian Johnson (Macquarie) chose to step down as Treasurer (Aus). I'd like to thank Rod, Steph, Nalini, Georga and Ian for their considerable and exemplary contributions to ANZACA over a number of years.

A new-look council has been formed as a result of these changes. Krisztina Valter-Kosci (ANU) is our new Vice-President; I look forward to working more closely with Kristzina and trying to harness some of her boundless enthusiasm and passion! Natasha Flack (Otago) has been appointed Treasurer (NZ), so has big shoes to fill, but thankfully help is not too far away, if it's even needed. Amanda Meyer (UWA) has kindly stepped in as interim Treasurer (AUS) and will fulfil that role for the remainder of this year; huge thanks to Amanda for taking on this important challenge, and for her always excellent work in putting this newsletter together. Stephanie Woodley continues to lend her experience and support to the Association as a regular member of the Council and is joined by Awais Saleem Babri (UQ) and Michelle Lazarus (Monash) as new Councillors. Our new student representative is Joyce El-Haddad (UNSW/Macquarie). I extend a warm welcome to our new Council members, thank you for committing to serve our wonderful Association. To complete the Council, I'm extremely grateful to have the amazing Jamie Chapman (UTAS) continuing as Association Secretary; Jamie's efforts behind the scenes keep us running and deserve endless thanks! I very much look forward to working with all of you!

With still so much uncertainty in front of us, I hope that you will find plenty of help and support as you negotiate 2021. Please reach out to your fellow ANZACA members. I cherish the support and friendships forged through this wonderful Association and believe that we can be of great help to each other in these particularly trying times. And with a little luck and lots of good public health behaviour, hopefully we will be able to meet face to face at the end of the year!

Cheers and best wishes for 2021,  
Quentin



The first IFAA Virtual Symposium was hosted by Dr Nalini Pather (Professor of Anatomy, The University of New South Wales, Australia) who is the Chair of the Federative International Program for Anatomy Education ([FIPAE](#)) on the 15th October 2020. Dr Beverley Kramer (Professor of Anatomy, University of Witwatersrand, South Africa) who is President of IFAA, welcomed over 1,000 participants (on Zoom, Facebook and Sli.do) and delivered her President's address. Dr D. Gareth Jones (Emeritus Professor, University of Otago, New Zealand) delivered the first 20 minute talk entitled, "COVID-19 and Anatomy: Threats to the continued flourishing of anatomy as a humanistic and research-based discipline" (YouTube timeline: 9:42-29:42). Dr Helen Nicholson (Professor of Anatomy, The University of Otago, New Zealand) who is Chair of the Federative International Committee for Supranational Anatomical Projects ([FICSAP](#)) spoke about training and supporting our emerging and mid-career anatomists and signalled a questionnaire could be distributed to mid-career anatomists later in the year (YouTube timeline: 37:57-43:35). Drs Kramer, Pather and colleagues published a paper earlier in 2020, *Supporting early career anatomists: An international challenge in [Annals of Anatomy](#)*.



Dr Pather discussed the changing anatomy landscape with COVID-19 and pointed to key papers discussing: digital resources and software, social media, 3D printing and virtual/augmented reality. She highlighted that, **"irrespective of tools and technology, deep engagement by students is critical"**. Dr Pather also pointed out the value of joining other anatomists in our international anatomy community on Twitter.

Dr Claudia Krebs (Professor of Anatomy, The University of British Columbia, Canada) joined the symposium to present her talk on, "The Virtual Anatomy Lab: Creation and Implementation During the COVID-10 Pandemic" (YouTube timeline: 53:26-1:05:42 ). During this talk Dr Krebs showed 3D scans and photogrammetry which were used in the creation of The Hive UBC Virtual Anatomy Lab, which was showcased using a virtual tour. As she does on all occasions, Dr Krebs rightly pointed out that **"technology needs to serve the pedagogy"** and provided top design tips to the audience.

The Discussion Forum (YouTube timeline: 1:08:29-----) featured Dr Adam Taylor (Professor of Anatomy, Lancaster University, England), Dr Beverley Kramer (Professor of Anatomy, University of the Witwatersrand, South Africa), Dr Andrea Oxley da Rocha (Professor of Anatomy, Universidade Federal de Ciências da Saúde de Porto Alegre, Brazil), Ms Joyce El-Haddad (Associate Lecturer, Macquarie University/ PhD Student, University of New South Wales, Australia) and Dr Nalini Pather.

Dr Oxley da Rocha spoke of the hardships faced by students and staff in Brazil with the switch from face-to-face (F2F) teaching to online. Many students in Brazil did not have online access so calls for computer donations for students and for the universities to pay for internet access were made. This is an additional challenge on top of the lack of training of staff which necessitated rapid upskilling to convert content from F2F to online.

Ms Joyce El-Haddad spoke about the increased fatigue of staff and students and the increased anxiety of students, particularly regarding assessment. She disclosed, acknowledging her challenge comes from a privileged place, that her **"...biggest challenge during the transition online was trying to find a way to keep the human in human anatomy."**

A number of issues were raised during the discussion including: workload, burnout, availability and equality of resources, mental health, student attendance and the logistics of proctoring online assessment. Dr Pather commented, **"...I think it's really important for us as a community to share these technologies and share our experiences so we can all benefit from it."**

Commenting on the future on anatomy, Dr Taylor said, **"...it's given a lot of us the incentive to innovate as part of our careers and I think you know ,for us, the future is bright. It's going to be a very different future with..., I would suspect, a much more blended approach to... electronic resources, online delivery, and then making the most of getting students into the dissection labs when we can."**

In closing, Dr Kramer commented, **"...the future is bright but it is really dependent on us as anatomists to keep it that way. We've seen administrators and curriculum developers and everybody at large trying to cut back on anatomy. It's up to us to show how relevant the subject is as a foundational discipline for all health sciences professionals not just for medicine."**



# 3D Organon VR Anatomy



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3D Organon is a multi-award-winning, medical anatomy platform, across Virtual Reality (VR), Mixed Reality (MR), Augmented Reality (AR), desktop, tablet, and mobile devices.

3D Organon proudly serves the global market. Its extensive knowledge-base of anatomical definitions is available in 15 languages: English, traditional and simplified Chinese, German, Italian, Spanish, Georgian, Polish, Portuguese, Latin (terminology), Russian, Ukrainian, French, Greek, and Thai.

3D Organon outstrips its competitors. Not only is it the first of its kind, but it is also the most advanced Extended Reality (XR) anatomy platform. Our prime solution — 3D Organon VR Anatomy — is the world's first fully-featured VR and MR anatomy software. It has been featured in keynote speeches of the chairperson of HTC, Cher Wang, and the CEO of Facebook, Mark Zuckerberg. It has been highlighted by leading publications such as Huffington Post, Forbes, Scimex, SBS, Futurism, and others.



Available for:

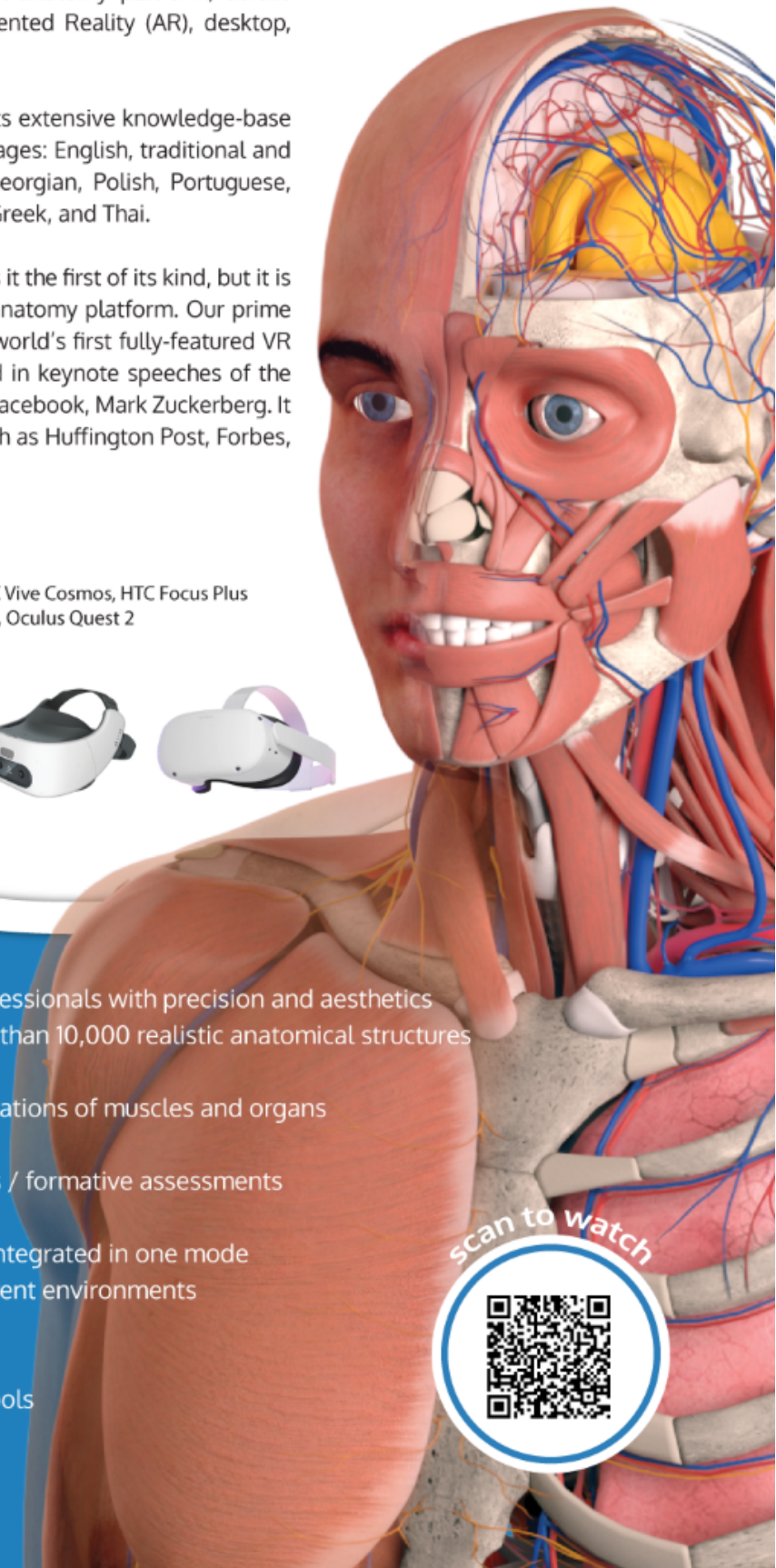
- HTC Vive, HTC Vive Pro, HTC Vive Cosmos, HTC Focus Plus
- Oculus Rift S, Oculus Quest, Oculus Quest 2
- Microsoft Mixed Reality



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- Anatomy models designed by medical professionals with precision and aesthetics
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- Human actions module with over 550 animations of muscles and organs
- Multi-user cross-platform module
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- Walking and standing/seated experience integrated in one mode
- Mixed Reality mode/Switch among 4 different environments
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- 360° videos recording
- Bony landmarks, sectioning & pathology tools
- 3D Painting
- Available in 15 languages

scan to watch



# ANZACA News

The ANZACA Anatomy Education Committee are looking for more members to span the breadth of anatomy departments across Australia and New Zealand. We already have representation from The University of Tasmania, Western Sydney University, Macquarie University, The University of Western Australia, The University of New South Wales, Australian National University and The University of Otago. Please email committee Chair, Professor Nalini Pather ([n.pather@unsw.edu.au](mailto:n.pather@unsw.edu.au)).



## Election Results and Welcome to our new Council for 2021!

- President (2-year term):

### **Dr Quentin Fogg,**

Associate Professor in Clinical Anatomy, Department of Anatomy and Neuroscience, The University of Melbourne, Australia.



- Vice-President (2-year term):

### **Dr Krisztina Valter,**

Associate Professor, The John Curtin School of Medical Research, College of Health and Medicine, Australian National University, Canberra, Australia.



- New Zealand Treasurer (1-year term):

### **Dr Natasha Flack,**

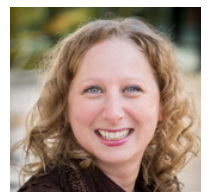
Lecturer, Department of Anatomy, School of Biomedical Sciences, University of Otago, New Zealand.



- 2 x General Council positions (2-year terms):

### **Dr Michelle Lazarus**

Associate Professor, Centre for Human Anatomy Education, Department of Anatomy and Developmental Biology, Monash University, Melbourne, Australia.



### **Dr Stephanie Woodley**

Associate Professor and Associate Dean (Academic), School of Biomedical Sciences, University of Otago, New Zealand.



- General Council (1-year term)

### **Dr Awais Saleem Babri**

Lecturer in Clinical Sciences, St Lucia Clinical Unit, Faculty of Medicine, The University of Queensland, Australia.





# an@tomedial

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- Four perspectives (Regions, Systems, Dissection, Imaging) to explore anatomy and compare
- Detailed serial dissections of real human bodies
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professional\_anz@mheducation.com or visit www.anatomedial.com**

# ANZACA eConference News

Our first virtual ANZACA conference was a great success with thanks to the University of Otago organising team consisting of Dr Natasha Flack, Dr Stephanie Woodley (Associate Professor), Dr Phil Blyth, Dr Johann Zwirner & Dr Helen Nicholson (Professor). There were 300 registrations for the eConference, which was attended by over 120 log-ins. Attendees came from all over the globe including Australia, New Zealand, South Africa, United Kingdom, Canada, United States of America, Nigeria, India, Hong Kong, Kenya, Sudan, Japan, The Caribbean, Turkey, Argentina and the United Arab Emirates.

Brilliant and thought-provoking keynote seminars were presented by Dr Jonathon Wisco (Associate Professor, Boston University School of Medicine), Dr Alexandra Webb (Associate Professor, Australian National University) and Emeritus Professor D. Gareth Jones (University of Otago). For highlights, search #ANZACA2020 on Twitter.

At the 2020 Annual General Meeting, the following new members were ratified: Panagiota Kordali (Bond University, AUS), Arthur Saniotis (Knowledge University, Iraq), Margaret Sowmi (Western Sydney University, AUS), Ihab Matar (UNSW, AUS), Lakshmi Selvaratnam (Monash Uni, Aus), Gagandeep Kaur (La Trobe University AUS), Enamulhaq Enam (Kabul University of Medical Science, Afghanistan), Joastin Naidoo (Nelson Mandela University, South Africa), James Ashaolu (Unaffiliated, AUS), Veli Solyali (Deakin University, AUS), Thilankaa Nethmini Haththotuwa (University of Otago, NZ), Ceda Byrne (UNSW, AUS), Jodi Sita (ACU, AUS), Aidan Roberts (Deakin University, AUS), Matthew Casilli (Swinburne/RMIT, AUS), Goran Strkalj (UNSW, AUS), Riemke Aggio-Bruce (ANU, AUS), Mangala Kumari (International Medical University, Malaysia), Ruta Bapata (Dr D Y Patil Medical College, India) and Sian Halcrow (University of Otago, NZ). A very warm welcome to our new members, we look forward to getting to know you better!



**Thank you for attending!**

Please join us. Go to  
[anazca.org/membership](https://anazca.org/membership)

**See you at LaTrobe in 2021!**

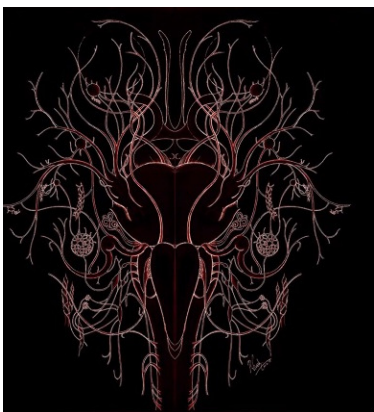




# ANZACA eConference News

The HDR students have set an exceptionally high bar for the standard of video presentations delivered at #ANZACA2020! The top three videos were played to conference attendees over Zoom and then the students answered questions directed to them from the Zoom chat. Each of them delivered a great video and answered their questions very well. It was a very hard decision for the judges to make but ultimately there could be only one winner. First place was awarded to Joyce Guo (University of Otago) for "Swinging Monkey-Bars, Simulation Models, and Surgical Management: The creation of an AR simulation model for paediatric supracondylar humeral fracture treatment training". Second place was awarded to Casper Thorpe-Lewis (University of Melbourne) for "The hallucal sesamoids" and third place was awarded to Megan Southorn (University of Otago) for "Forgotten Children. The infant and fetal skeletal remains of the WD Trotter Anatomy Museum".

The anatomical artwork competition was equally as competitive and the winner was decided by the popular vote. President Fogg announced the finalists during #ANZACA2020. First place was awarded to Dr Vivek Perumal (University of Otago) for "Crazial Nerves", second place was awarded to Danica Prasad (Western Sydney University) for "Pondering Anatomy" and third place was awarded to Lilian Fellner (The University of Melbourne) for "Brachial Plexus".



Vivek Perumal  
"Crazial Nerves"



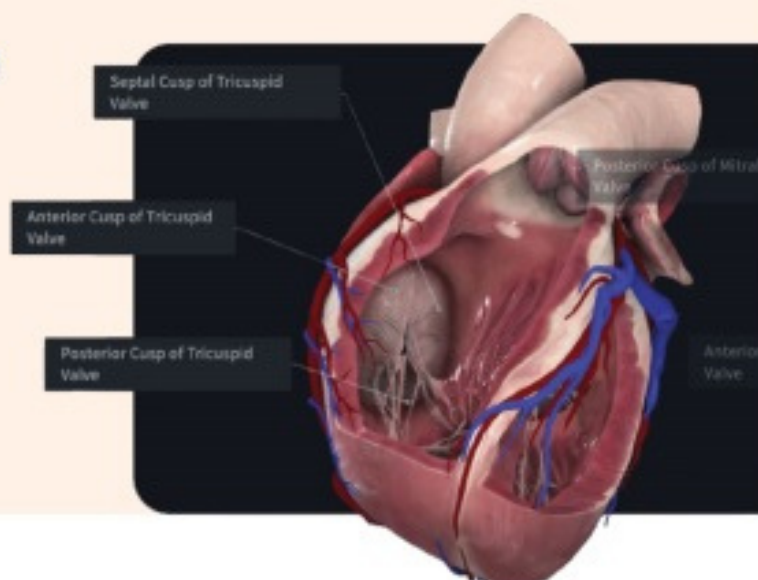
Danica Prasad  
"Pondering Anatomy"



Lilian Fellner  
"Brachial Plexus"

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# MEMBERS' GOOD NEWS STORIES



## MNHS education and research stars celebrated in Vice-Chancellor's...

Last night, the Vice Chancellor's Education and Research Awards for 2020 were...



Medicine / Nov 26, 2020



Monash University Vice-Chancellor's Award for Teaching Excellence was awarded to Dr Michelle Lazarus (Associate Professor, Head of the Centre for Human Anatomy Education) in a virtual ceremony on 23 November, 2020.

Excerpt below from the Monash University News:

"Michelle is part of the team at the Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute. Michelle's decade-long career in higher education focuses on developing evidence-based educational initiatives, often challenging the status-quo in the process. Her innate drive to understand the how and why for effective educational delivery was critical for many when transitioning to pandemic online teaching, as she consulted with educators globally.

Her educational leadership approach is collaborative; her focus on effective teams has fostered effective global collaborations and grants, but also resulted in capacity building for others starting in evidence-informed curricular development. Her passion for teaching and student learning is observed through: student and peer feedback; national and international adoption of her curricula; global pedagogical consultation requests; successful grant funding; impactful and often cited Q1 publications; and by her role in shifting conversations in the tradition-steeped discipline of anatomy away from one that solely focuses on students' acquisition of anatomical knowledge towards one that explores ways to develop students more holistically.

Professors John Bertram and John Carroll nominated Michelle for a MNHS Dean's Award for Excellence in 2020, to recognise and reward her contribution to quality student learning experiences, and to Monash's reputation for world-class university education. Watch her acceptance [video](#) [here](#)."

Email your news to [amanda.meyer@uwa.edu.au](mailto:amanda.meyer@uwa.edu.au) for inclusion in subsequent ANZACA newsletters.



# RECENT PUBLICATIONS

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



Research Report

## Real or not real: The impact of the physical fidelity of virtual learning resources on learning anatomy

Nicolette S. Birbara, Nalini Pather

First published: 01 October 2020 | <https://doi.org/10.1002/ase.2022>



VIEWPOINT COMMENTARY

## Spending Wisely: The Role of Cost and Value Research in the Pursuit of Advancing Anatomical Sciences Education

Stephen Maloney , Nalini Pather, Jonathan Foo, Michelle D. Lazarus

First published: 17 October 2020 | <https://doi.org/10.1002/ase.2027>

## From Scope to Screen: The Evolution of Histology Education

Jamie A. Chapman, Lisa M. J. Lee,  
and Nathan T. Swailes

## A Significant Role for Sessional Teachers in the Anatomy Education Landscape

Michelle D. Lazarus and Danielle Rhodes

# 2021 Conferences

British Association of Clinical Anatomists

**10 February, 2021**

Association of Anatomy, Cell Biology and Neurobiology  
Chairpersons Meeting 2021

**18-19 February, 2021**

Virtual (Zoom)

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 Abdulmenem Alashkam (University of Edinburgh)

AMEE (An international association for medical education)  
Meeting 2021

**27-30 August, 2021, Glasgow, UK**

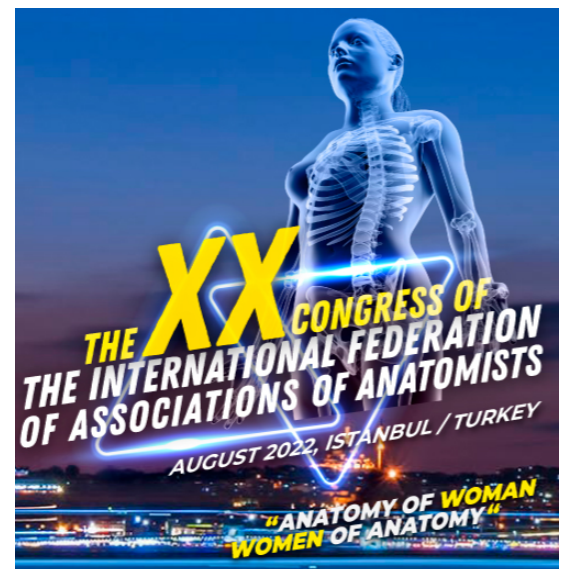
Hybrid conference

ANZACA Meeting 2021

**Late November/early December 2021**

Hybrid conference

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

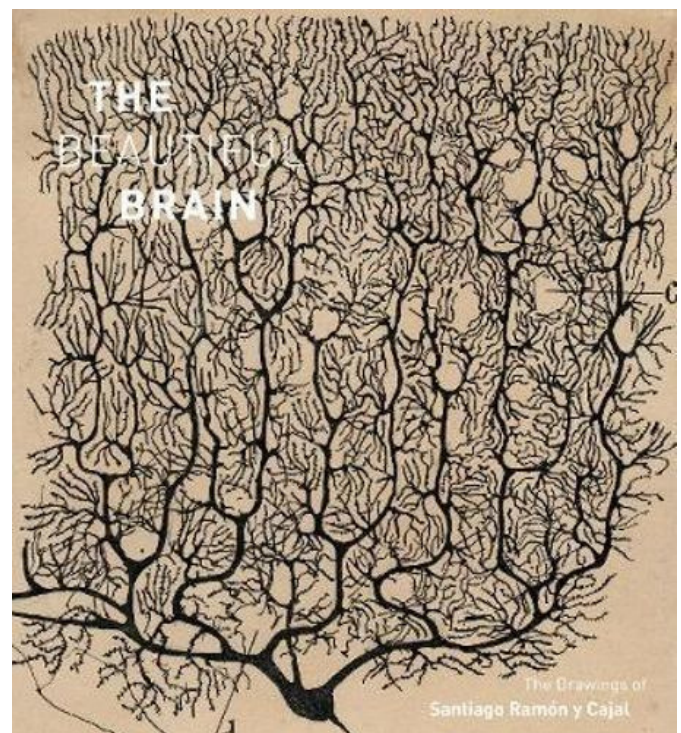
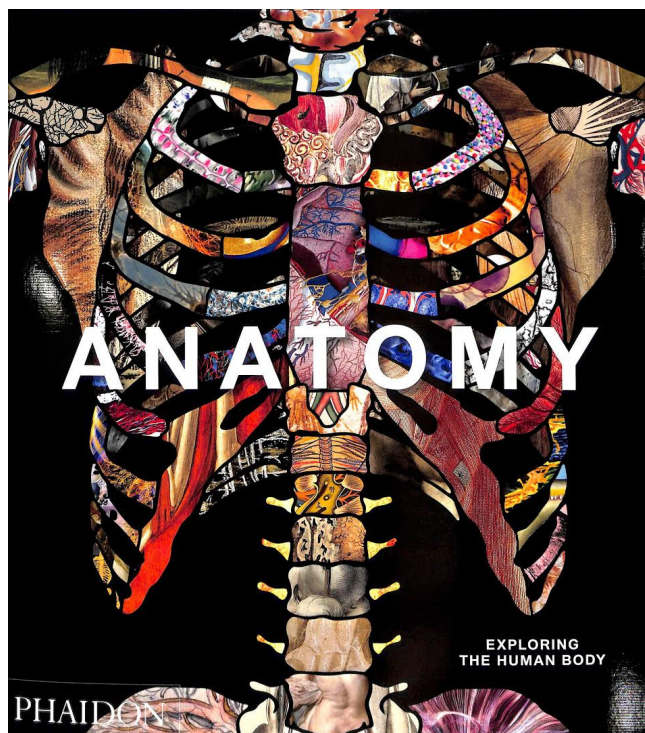
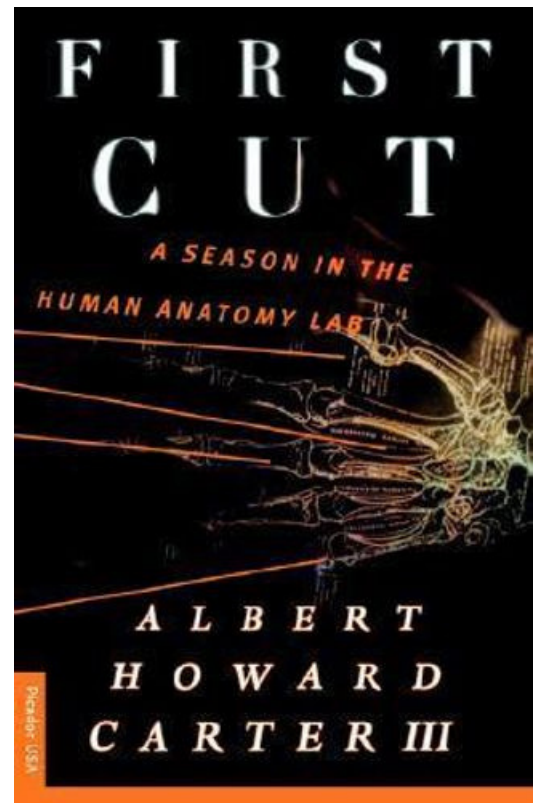
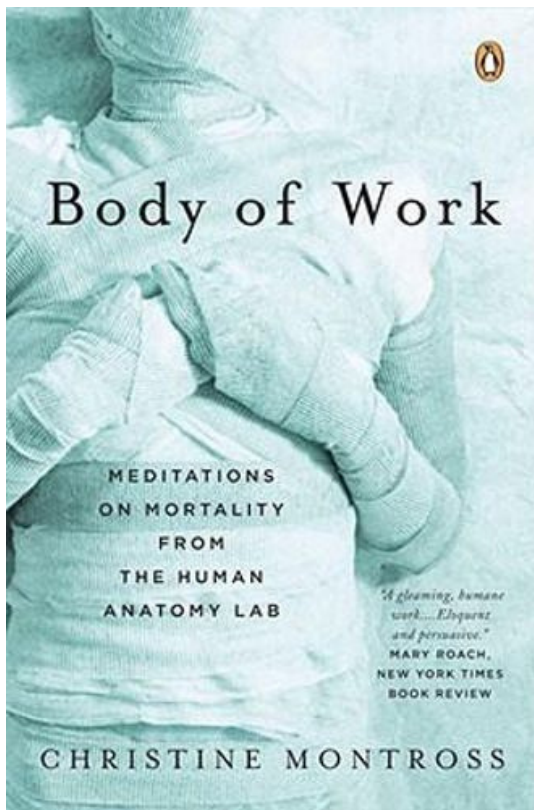




# BOOK CLUB

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](mailto:amanda.meyer@uwa.edu.au).





# New sections in the newsletter?

Starting in the next edition, I propose to add a section **"Hiring & Retiring"**. If you're in either of these categories I'd love to hear from you! Send me a link with job opportunities or send me short bio of your career if you're retiring.

No artwork was submitted in the past few months so the artwork section is missing from this edition.

If there are other sections you'd like to see, please send me an email. Email: [amanda.meyer@uwa.edu.au](mailto:amanda.meyer@uwa.edu.au)

Current job opportunities advertised online include:



## Lecturer, Human Anatomy

RMIT University

Melbourne > Northern Suburbs

Opportunity for an experienced Lecturer in Human Anatomy to contribute to the teaching and learning efforts of the Human Biosciences discipline

## Lecturer in Physiotherapy (Anatomy)

Australian Catholic University – Ballarat VIC

\$ \$121,160 - \$142,905 a year Part time, Permanent

- Continuing, Part-time (0.4) position
- Position is based at the Ballarat campus
- Provide expertise and excellence in the teaching of physiotherapy clinical sciences

## Senior Lecturer in Veterinary Anatomy

The University of Queensland

Brisbane

Education & Training > Other

- Full-time continuing position
- Based at our Gatton Campus
- Faculty of Science

## Team Leader, Laboratories and Technical Support (Human Anatomy and Pathology)

JCU: James Cook University, Australia

Northern QLD

\$83,274 - \$92,085 + 17% superannuation

Science & Technology > Laboratory & Technical Services

- Support critical teaching and research in the tropics
- Bring your science and leadership expertise to make a difference
- Full time, continuing position

## Technical Coordinator - Nursing/Anatomy (Bundoora)

RMIT University

Melbourne > Northern Suburbs

Education & Training > Other

- Full-time, ongoing position
- Salary Level HEW 7 + 17% Superannuation and Flexible Working Arrangements
- Based at the Bundoora campus