



PLEXUS

THE NEWSLETTER OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS

IN THIS ISSUE:

» Editorial

» A Note from Your President

» Tributes and Obituary

- Obituary Professor Krikor Erzingatsian, FRCSI (1942-2022)

» Reports

- XX Congress of the International Federation of Associations of Anatomists held from 5th To The 7th Of August, 2022, Istanbul, Turkey
- Federative International Committee for the Support of Anatomy Professionals (FICSAP)
- Federative International Committee on Scientific Publications (FICSP)
- Emergent Anatomists Reports on the 20th IFAA Congress: Dr. Chinedu Godwin Uzomba, Dr. Affiong Ekanem, Dr Darlington N. Onyejike

» News Updates

- Anatomical Society of South Africa

» Art and Drawings

- Elise Wolfram, University of Otago. "Self Portrait: Living Anatomy".
- Cartoon strips from Dr Anatophil

» Interesting Readings

- EdTech and Innovation for Anatomy Teaching: A Framework for Integration and Optimisation, Joshua Owolabi
- Ethical Research and Publication, An Educational Practice Awareness Programme, Amenu Tolera Wirtu
- S-CAR Activities 2021-2022 Have Made the Anatomy Alive in Rwanda, Julien K. Gashegu

» Upcoming Events

- Swiss Society of Anatomy, Histology and Embryology SGAHE/SSAHE is holding the Annual Meeting in Bern with a special focus on "Digitalization in Anatomy Teaching" on 16th September 2022
- Regional meeting - Anatomy Across Scales: From Molecules to Organisms by American Association for Anatomy, 7th and 8th October 2022, The University of Iowa, hosted by the Department of Anatomy and Cell Biology, Iowa City, IA
- Anatomy Connected by American Association for Anatomy, 25-27th March 2023, Washington DC
- The III International Scientific and Practical Conference on "3D technologies in clinical anatomy", 8 – 10 September 2023 in Samara, Russia.

EDITORIAL

Dear colleagues and friends,

Welcome to this edition of Plexus.

This issue is replete with news from the 20th IFAA congress that was, by all accounts, a resounding success. In spite of the COVID pandemic, Professor Erdogan Sendemir and the Turkish Organizing Committee were able to negotiate all the difficulties faced by any organiser of international events. Like you, I have attended several such virtual events in the past two years: I must say that this was the one I enjoyed the most! I was fortunate to be able to make the trip to Istanbul, so I witnessed first hand the efforts of the whole team to make the Congress a success.

The image below shows the small but very effective team at work and at play. I wish to extend my gratitude towards all members of the organising committee for their splendid support and generous hospitality. Well done, or as we say in Maltese, prosit!



In this issue, we are also pleased to highlight the reports of a number of IFAA committees. We urge you to reach out to the Chairs of the Federative International Committee for the Support of Anatomy Professionals (FICSAP) and the Federative International Committee on Scientific Publications (FICSP) for further information, especially if you wish to contribute to their activities.

While celebrating the activities of several member organisations, we are pleased to publish several tributes, reports, interesting readings and celebrations from our esteemed colleagues across many parts of Africa. I would like to especially highlight the request from the Anatomical Society of Ethiopia for input from IFAA members to support their awareness programme regarding research integrity. We would also like to see more such calls for participation in joint ventures across the globe.

Plexus is the means by which we communicate with each other between one IFAA meeting and the next. If you have any news, events or announcements that you would like to see published in the next issue of Plexus, please send us an email. Also, please remember that you can also visit our website (www.ifaa.net) at any time for all the very latest news.

With best wishes

Isabel and Shiby

A NOTE FROM YOUR PRESIDENT IFAA PRESIDENT'S REPORT

Dear colleagues,

I have recently returned from Istanbul where I attended the online **Congress of the IFAA** hosted by the Turkish Association of Anatomists and Clinical Anatomists. My congratulations to **Professor Erdogan Sendemir and the Turkish Organizing Committee** on an excellent Congress.

The Congress most certainly lived up to its aim of **“Anatomy of Woman, Women of Anatomy”** with numerous excellent presentations on the female genital system, as well as large numbers of presentations from female anatomists. The plethora of exceptional presentations and discussions ranged from allergies to art in anatomy and from embryology to ethics. It was truly a remarkable Congress and unique for its online occurrence. The technical side of the Congress was superb and the team must be complimented for the support provided.

I would personally like to thank those members of the IFAA's Executive Board for travelling to Turkey to support the Congress Organizing Committee. In addition, on behalf of those of us who were present in Istanbul, a big thank you to our colleagues in Istanbul for the wonderful hospitality and collegiality experienced. The photograph below shows some of the Executive with the Organizing Committee on a very hot evening overlooking the Bosphorus:



The IFAA Executive supported eight emergent anatomists from low- and low-middle income countries from across the globe to register for the Congress. While we were delighted that these emergent anatomists could attend the Congress, there were very few applications received for this incentive. I appeal to all anatomists to ensure that information from the IFAA is widely distributed to members of our member associations.

While in Istanbul, an online meeting of the **Executive Committee** took place as well as the important **General Assembly of the IFAA**. The annual reports of the Chairs of the IFAA's Programmes, Committees and the College of Representatives can be found on the IFAA Website (www.ifaa.net). The IFAA took leave of two of our Vice-Presidents,

Professor Yun-Qing Li (CSAS) and Professor Ceri Davies (AS). I would like to personally thank these two senior anatomists for their hard work and their constant and ongoing support of the IFAA and its endeavours.

One of the important decisions taken at the General Assembly was the venue for the IFAA Congress in **2026**. I would like to congratulate **ANZACA** (the Australian and New Zealand Association of Clinical Anatomy) for winning the bid for the Congress.

The next Congress of the IFAA will be hosted by the **Korean Association of Anatomists** and will take place in **Gwangju, South Korea between the 5-7th September, 2024**.

The work of the IFAA continues through our Programmes and Committees, while work from recent surveys by FICSAP/FIPAE, FICEDA and the College of Representatives will be ongoing. The workshops offered by the President's Emergent Anatomists Programme (PEAP) are also ongoing. For further information on the latter, please contact Dr Carol Hartmann (Carol.Hartmann@wits.ac.za).

Please keep in contact with the IFAA so that together we can build a better future for anatomy.

With warm anatomical greetings,

Bev Kramer
President: IFAA

**THE FATHER OF CLINICAL ANATOMY IN ZAMBIA---
PROFESSOR KRIKOR ERZINGATSIAN, FRCSI (1942-2022)**



It is with great sadness that the anatomy community mourns the passing of Professor Krikor, as he was fondly known. Professor Krikor was a philanthropist, a surgeon, as well as a methodical, meticulous and meritorious teacher of clinical anatomy. Professor Krikor joined RCSI in 1963 where he received numerous prizes in basic medical sciences including Anatomy. He joined the Department of Surgery of the University Teaching Hospital of the University of Zambia (UNZA) in 1977. He consistently applied himself at both the RCSI and UNZA where he was recognized as Demonstrator of Anatomy at the former, and Professor in the Department of Surgery at the latter.

He played foundational roles, received numerous awards, and served as President for both the Surgical Society of Zambia and the College of Surgeons East, Central and Southern. He founded the anatomical training programme in Zambia, graduating the first PhD in 2004 and pioneering the MSc programme in 2012.

An Armenian-Ethiopian with neither wife nor child, he is survived by surgeons and anatomists alike. May His Soul Rest In Eternal Peace.

Dr Mbawe Zulu

**Copperbelt University Michael Chilufya Sata School of Medicine
Zambia**

REPORT OF THE XX CONGRESS OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS HELD FROM 5TH TO THE 7TH OF AUGUST, 2022, ISTANBUL, TURKEY

Dear Colleagues,

The 20th IFAA Congress was held online between the 5 - 7 August, 2022. Although it was not held face-to-face, we are grateful to Beverly Kramer, Diogo Pais, Ceri Davies, Isabel Stabile, Han-Sun Jung, Im Joo Rhyu and Hee-Jin Kim who came a long way to support us during the Congress. Organising the first (and hoping it will be the last) completely online IFAA Congress was a big worry for us, but the rich content of the scientific program attracted many anatomists. Although saddened by our inability to host you in our beautiful country and share our hospitality with you, we are most grateful to those who were a part of this unique event. I am sure the IFAA General Assembly will consider the unfortunate scenario faced by the Turkish Society of Anatomy and Clinical Anatomy in preparing for this Congress when we put forward our candidature for a future IFAA Congress.

To summarize the Congress in numbers, there were :

349 Participants from 57 Countries and 5 Continents

Algeria, Argentina, Australia, Austria, Bahrain, Bangladesh, Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Czech Republic, Ethiopia, France, Germany, Greece, Hong Kong, Hungary, India, Indonesia, Iran, Italy, Japan, Jordan, Latvia, Macao, Malawi, Malaysia, Malta, Mexico, Namibia, Nepal, Netherlands, New Zealand, Nigeria, Oman, Portugal, Russia, Rwanda, Serbia, Singapore, South Africa, South Korea, Spain, Sri Lanka, Switzerland, Taiwan, Tanzania, Thailand, Türkiye, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay

69 Sessions in 6 Parallel Halls

10 Chinese Society of Anatomical Sciences Symposia (CSAS)

- 4 Korean Association of Anatomists Symposia (KAA)
- 2 FIPAE Symposia / 1 Workshop
- FICEM Symposium
- PEAP Symposium
- Anatomical Society Symposium
- FICSP Symposium
- TEPARG Symposium
- ISCAA Symposium
- FICSAP Symposium
- FICEDA Symposium
- The Anatomical Record Symposium
- 21 Platform Presentation Sessions

370 Presentations

- 70 Poster Presentations
- 112 Oral Presentations
- 179 Symposium/Panel/Workshop Presentations
- 9 Plenary Lecture Presentations

2 Satellite Symposia

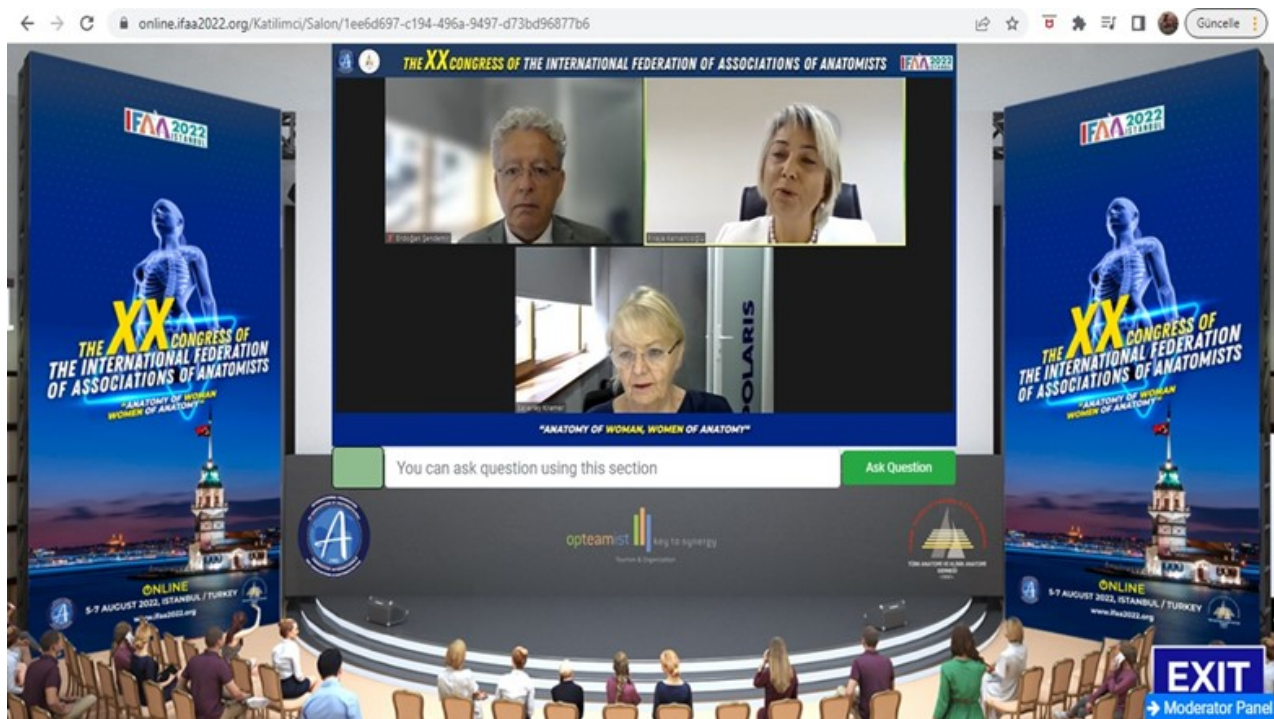
- Pirogov
- Elsevier

5 Subcommittee Meetings

1. IFAA Executive Committee Meeting
2. Federative International Committee for the Support of Anatomy Professionals (FICSAP) Annual Meeting
3. IFAA General Assembly
4. Federative International Committee for Ethics and Medical Humanities (FICEM) Annual Meeting
5. ICSMS Executive Committee Meeting

14 Break Out / Chat Rooms

- FICEM Symposium (Anatomical Disciplines as Incubators for Ethics and Professionalism in Healthcare Education)
- President's Emergent Anatomists Programme Symposium (Establishing a Professional Profile and Networking as an Early Career Anatomist)
- Panel (The Anatomy of Medical Terminology)
- Invited Panel
- Open Mic Session: Ethics in Anatomy supported by FICEM (Federative International Committee for Ethics and Medical Humanities)
- 3 / FICSAP Symposia (Growing Anatomists: Anatomists Perceptions of Needs and Provision of Support)
- 3 / FIPAE Workshops (Active learning in anatomical sciences education: Emerging from the pandemic)
- Developing Future Anatomists: Share Your Views
- FICEM Symposium (Historical anatomical collections – Treasure, Legacy, and Challenges)
- FICEDA Symposium (Equality and diversity in anatomy)



Opening Ceremony: Professor Beverley Kramer



Plenary Lecture: Professor Kyung Ah Park



Plenary Lecture: Professor Julia Frankenberg




Platform Presentations Session

THE XX CONGRESS OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS IFAA 2022

Conflict of Interests

- Research grants from the Swiss National Science Foundation, European Union (EU CURE), Novartis Research Institutes (Basel, Switzerland), Stanford University (Redwood City, CA), AO Research Institute (Davos), SciBase (Stockholm, Sweden)
- Co-Chair of the EAACI Guidelines on Environmental Science in Allergic diseases and Asthma
- Advisory Boards of Sanofi/Regeneron, Novartis, GlaxoSmithKline, SciBase
- Editor-in-Chief of *Allergy* IF: 14.71

“ANATOMY OF WOMAN, WOMEN OF ANATOMY”



Prof. Cezmi Akdis

Opening Lecture: Professor Cezmi Akdis

THE XX CONGRESS OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS IFAA 2022

Northwestern Medicine

Emel ULUPINAR

Hande Ozdinler

“ANATOMY OF WOMAN, WOMEN OF ANATOMY”

LIVE

Closing Lecture: Professor Hande Ozdinler

Holding the General Assembly online was the most difficult part of the Congress to deal with, but it ran smoothly and by the end of voting, ANZACA was elected to hold the Congress following the 21st IFAA Congress in South Korea in 2023.

Hoping to meet you all in person in South Korea

Professor Erdogan Sendemir

**Report by the Federative International Program for Anatomical Education (FIPAE - Nalini Pather, Chair)
and the Federative International Committee for Supranational Anatomical Projects (FICSAP – Helen
Nicholson, Chair)**

First of all, a very big thank you to all of you who took part in the FICSAP/FIPAE survey that asked what anatomists would value in terms of support for their professional development. The survey received over 700 complete responses, from across the world. We are grateful to the Chinese Society of Anatomical Sciences who translated the survey into Mandarin to allow their members to contribute more easily.

The survey has resulted in a wealth of data and is allowing us to compare the support that anatomists at various stages of their career perceive they need. It appears that the activities that anatomists have found most helpful in the past were: mentorship, attending conferences, and workshops and training courses. All anatomists, regardless of the stage of career, sought more opportunities to network and collaborate with international anatomists for both teaching and research – something we have all missed over the last 2 ½ years, as well as training in virtual delivery of anatomy. As one might expect, early career anatomists have greater needs and particularly those who live outside of Europe and North America. The survey reinforces the need for a programme to support early career anatomists and I would like to applaud the work that the President's Emergent Anatomist Programme (PEAP), led by Carol Hartmann and Jose Sanudo, are doing in this area.

The data also raise the importance of mentorship. The FICSAP Committee is beginning to consider whether mentoring is something that the IFAA could facilitate and, if so, how this could be organised. We would be very grateful to hear from member societies and individuals of mentoring programmes that already exist as we would like to build on what currently exists rather than reinventing too many wheels! If you have any information, suggestions or ideas please contact me.

Helen Nicholson (helen.nicholson@otago.ac.nz)

Report by the Federative International Committee on Scientific Publications (FICSP)

The second FICSP online webinar on Publishing in Anatomy Journals and chaired by Professor Gulgun Sengul was held on February 24, 2022 by ZOOM. The topic was the pitfalls and problems of writing original research articles. The speakers included Professor Jose Ramon Sanudo Tejero (Editor-in-Chief of European Journal of Anatomy) and Professor Ravi Satish Kumar (Editor-in-Chief of National Journal of Clinical Anatomy). A recording of this webinar can be downloaded from the IFAA website through the following link:

<https://ifaa.net/2022/07/23/ficsp-webinar-on-writing-an-original-research-article-pitfalls-and-problems-recording-now-online/>

**WEBINAR ON PUBLISHING IN
ANATOMY JOURNALS**

FEDERATIVE INTERNATIONAL COMMITTEE ON SCIENTIFIC PUBLICATIONS (FICSP) of IFAA

**WRITING AN
ORIGINAL
RESEARCH
ARTICLE**

**PITFALLS AND
PROBLEMS**

ONLINE
MEETING
zoom


Prof. Jose Ramon Sanudo
Tejero
Editor-in-Chief
European Journal of Anatomy

Prof. Kumar Satish Ravi
Editor-in-Chief
National Journal of Clinical
Anatomy

Wednesday June 29, 2022
at 14.00 CET

Register with link or QR code

<https://tinyurl.com/p7es9kur>

 **IFAA**
International Federation of Associations of Anatomists
Federation Internationale des Associations d'Anatomistes

FICSP Symposium at the 20th IFAA Istanbul Congress

A Symposium on Ethical Considerations in the Publication of Anatomy Manuscripts was held during the IFAA Istanbul Congress on August 6, 2022. The speakers included Shane R. Tubbs (The ethicality of publishing anatomical research: Perspectives from an author, reviewer, and editor), Heather F. Smith (Data integrity and ethical publishing behaviour in the anatomical sciences) and Gulgun Sengul (Ethics in experimental animal research).



Professor Gulgun Sengul, Chair, FICSP

Dr. Chinedu Godwin Uzomba

I am extremely grateful for the opportunity to attend this Congress and particularly enjoyed the opening lecture by Prof. Cezmi Akdişon as well as the symposium on ethics and experiences from the African continent chaired by Goran Strkalj and Brendon Billings. I participated in the presentations that were relevant to my areas of research including exhibitions and E-posters. I attended sessions on the anatomy of the Clitoris, Ethics in Anatomy as well as the symposium on Anatomists Perceptions of Needs. I also presented my paper entitled "Developing maternal socio-demographic and anthropometric protocol: determining birth size and delivery outcomes at the Alex Ekwueme Federal University Teaching Hospital, Abakaliki, Nigeria".

I particularly appreciated that the organisers carefully grouped topics into areas of specialization, which made it possible for participants to access their choice of hall. I hope that the expansion of the Emergent Anatomist Award in developing and underdeveloped countries will motivate and encourage young anatomists to see Anatomy as a career progressive discipline.

I look forward to attending the 2024 congress in Gwangju, South Korea.

Dr. Affiong Ekanem

I am grateful to have been given the opportunity to participate in the 20th IFAA congress. I will highlight here the sessions I attended with a particular focus on the African sub-continent and the emerging anatomists programme.

During the symposium on body sourcing for anatomical education and research, Prof Kramer highlighted that although there are many challenges to body donation programmes in Africa, these are surmountable by increasing awareness and commitment to changing the situation, setting up a legal system that supports donation, as well as communicating with religious and traditional leaders. Dr. De Gama discussed the cultural practices of South African ethnic groups on the body and their influence on body donation. The current challenges of body sourcing in Ethiopia, Nigeria, Rwanda were highlighted by Dr. Tolera Wirtu, Dr. Asala and Dr. Gashegu respectively.

The president's emergent anatomists programme symposium on establishing a professional profile and networking as an early career anatomist covered a number of interesting topics such as becoming involved in academic citizenship by Professor Patel, linking in and getting out of the research gate by Dr Organ, and developing your CV by Dr Hartmann.

I was particularly interested in the FICSAP Symposium on growing anatomists and their perceptions of needs and provision of support. The discussion centred on the needs of early-career anatomists such as myself which include mentorship, teaching courses/ training, research resources and infrastructure, grants and sponsorship, networking and collaboration with international anatomists for career advancement.

I wish to express my heartfelt thanks to the organisational team for an excellent Congress.

Dr Darlington N. Onyejike

It was indeed a privilege to attend this Congress which featured ground-breaking symposia from different societies and scholars all over the world, as well as plenary speakers on recent advances in Anatomical Sciences. I was privileged to present my paper on Forensic taphonomy in Nigeria. The congress kicked off with opening addresses by Prof Erdoğan Şendemir, the President of the 20th Federative International Congress of Anatomy, Prof Piraye Kervancioğlu, the President of the Turkish Society of Anatomy and Clinical Anatomy, and Emeritus Prof Beverley Kramer, the President of the International Federation of Associations of Anatomists. The plenary lectures, platform presentations and symposia

provided useful insights on multiple aspects of the anatomical sciences.

I was particularly interested in the session on the 'Anatomy of the Clitoris, Science meets Art' in which Professor O'Connell addressed some of the confusion behind the relationship between the clitoris and urethra.

One of the highlights of the Congress was the presentation by Prof Yolanda Salinas Alvarez which featured female anatomists that were hardly ever captured in the history of anatomy. The session on Forensic Anatomy offered insightful papers on the forensic investigation of an underwater military vessel wreckage as well as the identification of victims of the Korean War between 1950 and 1953.

I would like to express my grateful thanks to the organisers for the opportunity to attend the Congress.

Anatomical Society of Southern Africa (ASSA)

University Of Namibia (UNAM)

Over the past year, UNAM has seen many changes, starting with the amalgamation of the faculties of Health Sciences, Veterinary Medicine, and now also the School of Medicine. Departments within schools also merged and the anatomy unit now resides within the Department of Human, Biological & Translational Medicine, under the guidance of Professor Quenton Wessels.. Prof. Quenton Wessels completed his second PhD, this time in Health Professions Education on: “Understanding Leadership Development in new Medical Schools in Africa’.

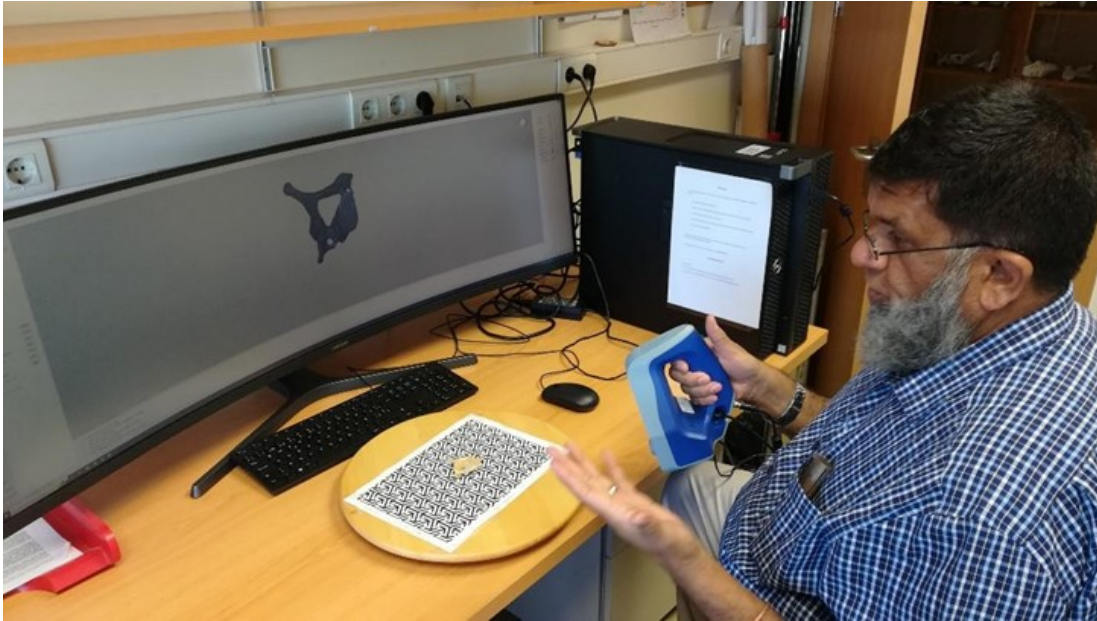
Faculty at the Namibian 4IR expo, with 3D printer and virtual reality teaching



University of Johannesburg

Professor Shahed Nalla co-chaired two Symposia at this Congress with Nicole Torres-Tamayo: (1) The Anatomical Society Symposium, entitled, “Part to part, part to whole: fitting the pelvis into the evolutionary puzzle of the human body” and (2) “Methodologies in Applied Anatomy: Clinical, Forensic, and Evolutionary Anatomy”.

In June and July 2022, Professor Shahed Nalla was engaged in research collaboration with colleagues in Spain and Turkey. Prof. Nalla was hosted by Professor Markus Bastir (Research Professor, Department of Paleobiology, National Museum of Natural Sciences, Madrid, Spain) and by Assistant Professor Daniel García Martínez (Physical Anthropology Unit of the UCM, Faculty of Biological Sciences, Complutense University of Madrid, Spain). The project at the Museum was to engage with the Workflow of 3D Geometric Morphometrics (3D-GM) and its application in Paleoanthropology and Clinical Anatomy. During the 3-day “training workshop” he had the opportunity for hands-on 3D-scanning and analysis of osteology specimens.



Prof. Nalla 3D scanning a cervical vertebra with the hand held Artec scanner

ASSA Distinguished Member Award: Professor Maryna Steyn



At the April 2022 meeting of the Anatomical Society of Southern Africa, Professor Maryna Steyn was awarded the “Distinguished Member Award”. Prof. Steyn has been a member of the Society for over 30 years, and has made a significant and lasting impact on both full members and student members of the Society, as well as the Society itself.

Since joining the ASSA, Prof. Steyn has been a regular attendee at the annual conferences and together with her students, have contributed over 100 oral and poster presentations. She has been the recipient of the Antoinette Kotze award for the best first-time presenter and a number of her students have also received the Antoinette Kotze award as well as the ASSA Award for best oral presentation by a young presenter (previously the Bob Symington award).

Prof. Steyn was part of the ASSA organizing committee in 2008 and over the years, has served as chairperson for numerous academic sessions as well as adjudicator for conference awards. She has organized and presented various workshops at the annual ASSA conferences and has been instrumental in establishing the Forensic Anthropology Interest Group (FAIG) for which was the Council representative. Prof Steyn was first elected as Council member in 1994. In 2014 she was elected as the President of the Society, a position she fulfilled until 2019. During her tenure, she encouraged active student involvement and supported representation of all Universities in the Society.

As a member of the ASSA Society, she is also recognised as a leader in the field of forensic anthropology and has received various awards and accolades for her work. As invited and/or keynote speaker, she has represented the Society at various local and international conferences and symposia where she has established a numerous local and international collaborators.

She served as reviewer for various journals, including Clinical Anatomy, as well as member of the Editorial Board of Forensic Science International since 2006. She has published over 160 papers and 15 book chapters and has supervised more than 20 M.Sc. and 15 Ph.D. students. She is dedicated to continuing education and has organised various workshops for students and practitioners.

**Associate Professor Desire Brits
School of Anatomical Sciences
University of the Witwatersrand
South Africa**

ASSA NEW APPOINTMENTS

Associate Professor Nanette Briers Stellenbosch University – Division Of Clinical Anatomy



Associate Professor Nanette Briers

Associate Professor Briers joined the Division of Clinical Anatomy in February 2022 and was appointed Head of the Division in April 2022. While she completed her undergraduate studies at Stellenbosch University, she moved to Gauteng where she resided for the next 25 years. During this time she obtained various postgraduate qualifications at the University of Pretoria (UP), including a Ph.D. in Anatomy. She also worked at UP and the University of the Witwatersrand (WITS) as lecturer and senior lecturer in the Morphological Anatomy division. Her other qualifications include a Diploma in Tertiary Education and a Postgraduate Diploma in Health Research Ethics (*cum laude*). She is also a Fogarty Fellow in Bioethics since 2015.

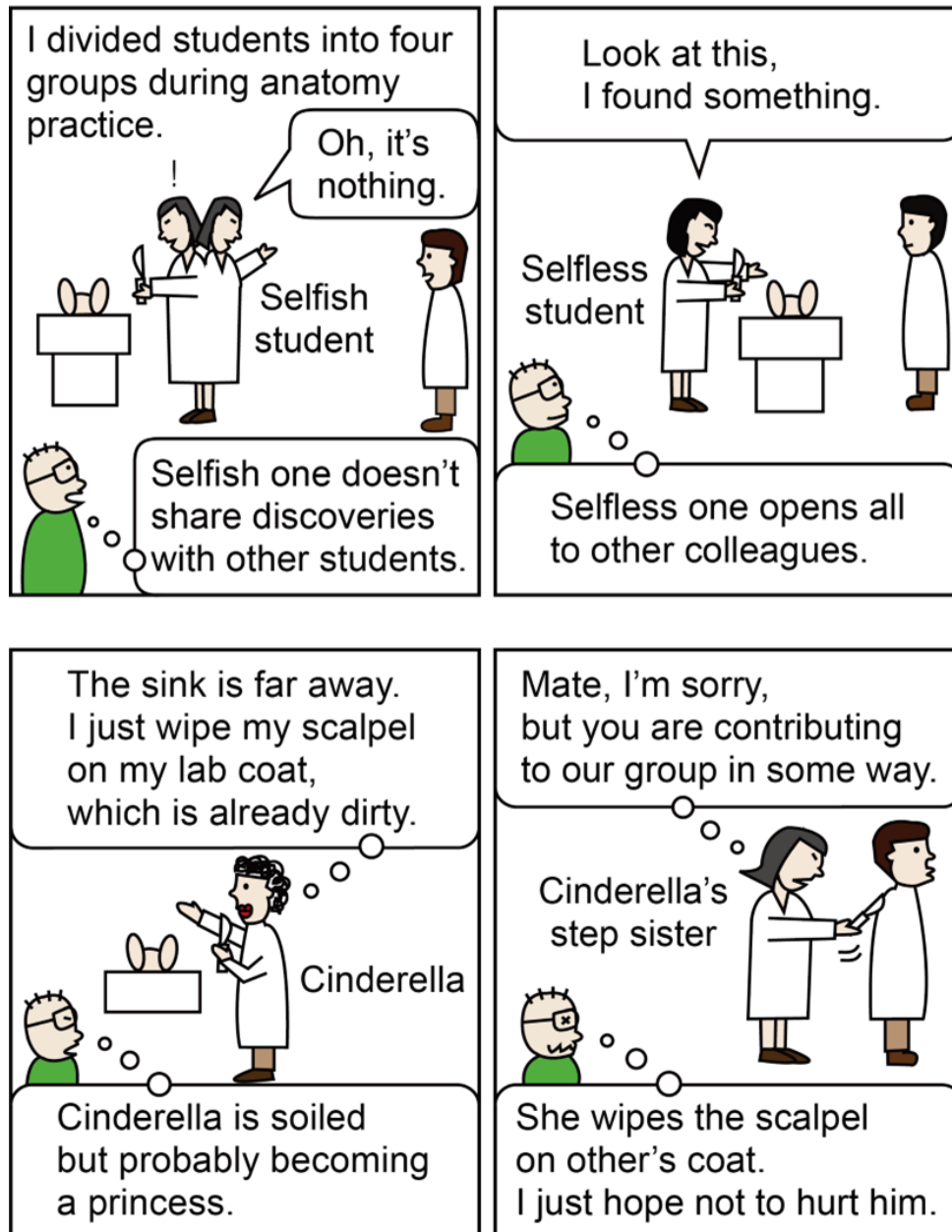


Elise Wolfram, University of Otago. "Self Portrait: Living Anatomy".

Dr. Anatophil

MS Chung (anatomy.co.kr)

Episode 170: Selfish or not, Cinderella or not



Dr. Anatophil

MS Chung (anatomy.co.kr)

Episode 172: Group dynamics in the dissection lab



EdTech and Innovation for Anatomy Teaching: A Framework for Integration and Optimisation - Joshua Owolabi

Anatomy remains an integral component of medical and health science education. The use of educational technologies (or EdTech) to teach this discipline to medical and health sciences students is increasing, as shown by a recent literature review on global trends and practices. An extensive pan-African study covering 11 representative African countries also showed that anatomists in Africa are tech-inclined, provided there is quality infrastructural, system and leadership support¹. This is no different from the prevalent global trend.

In light of these realities, the following should be considered:

1. Increasing proliferation of EdTech and innovations
2. Heterogeneity in the types and patterns of EdTech use to support Anatomy teaching
3. Variations in educational cultures
4. Influence of academic leadership, policies, and regulations
5. Levels of economic and technological advancements and their impacts on educational cultures and professional training

Although the list above is not exhaustive, it provides insight into the heterogeneity of how EdTech and innovations are used to support the teaching of Anatomy to medical and health sciences students, and explains why a guiding framework has become important.

The ASIC Framework²

The ASIC Framework has been designed based on relevant educational theories and pedagogical principles, and includes the following tenets which are critical for optimal deployment of EdTech in the teaching of anatomy:

A: Adaptation: *Innovation and technology should be suitably adapted to programme design and institutional system for optimal performance and best outcomes.*²

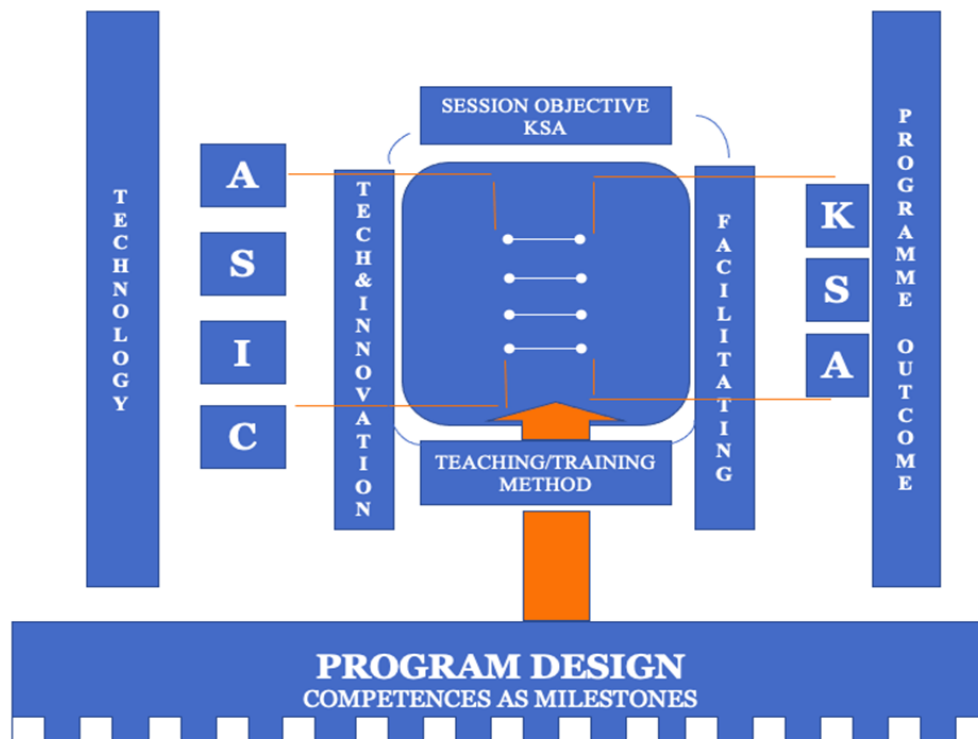
S: Standardisation: *Determining clearly the purpose that innovations and technologies serve, the objectives they meet; and supporting their uses with evidence for best and standard practices.*²

I: Integration: *Creating a place for the use of educational innovations and technology; and aligning its use with other components of the educational system for optimal performance.*²

C: Compliance: *Evidence of compliance with institutional standards, programme requirements and regulations of relevant bodies should be addressed.*²

This published framework and two operational tools are applicable to diverse contexts and systems^{3,4}. I am honoured to present the ASIC framework to the world of anatomical sciences and medical education in the hope that they may find them useful.

See the ASIC Framework² from the original publication



The ASIC Framework



Joshua Owolabi - PGD MedEd, MSc., MBA, PhD, PhD

Assistant Professor of Anatomy, also currently serves as a Head of Anatomy Department at UGHE and the Vice president of the Society for Clinical Anatomists of Rwanda- SCAR. He is a medical educator who is equally passionate about innovations and EdTech integration into medical education.

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2. Owolabi J. Proposing a framework guide for the integration of educational technologies and innovations into the teaching of anatomy and medical sciences: the ASIC framework. *Adv Med Educ Pract.* 2021;12:1277-1282. doi: 10.2147/AMEP.S338262 [PMC free article] [PubMed] [CrossRef] [Google Scholar]
3. Owolabi, J. (2022). The ASIC Framework: An Alternative Operational Matrix to Support the Technology and Innovations in Medical Education based on the Primary Learning Domains. *Interdisciplinary Journal of Virtual Learning in Medical Sciences*, 13(2), 141-147. doi: 10.30476/ijvls.2022.93833.1125
4. Owolabi J. Proposing a Framework Guide for the Integration of Educational Technologies and Innovations into the Teaching of Anatomy and Medical Sciences: The ASIC Framework. *Adv Med Educ Pract.* 2021 Nov 2;12:1277-1282. doi: 10.2147/AMEP.S338262. PMID: 34764716; PMCID: PMC8576405.

Anatomical Society of Ethiopia

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Department of Anatomy, Addis Ababa



Ethical Research and Publication: An Educational Practice Awareness Programme

The Anatomical Society of Ethiopia (ASE) is committed to providing updates on professional and academic integrity to emerging scientists in Africa. We believe that ethical initiatives, with high standards are crucial in enhancing the impact of research findings. Our focus here is on an educational practice awareness programme regarding ethical research and publications.

The ASE would like to raise the issue of academic plagiarism to the IFAA PLEXUS newsletter. This serious academic malpractice is becoming very common across universities in Ethiopia. Our members believe that nothing is more important than the professional integrity of any academic. Any breach of research integrity is dangerous as it undermines the originality and honesty of scientific papers. Obviously, plagiarism is a serious academic offense; another version of corruption, which must be circumvented in the process of scientific discourse. ASE believes it is time for IFAA to act directly or indirectly to nurture anatomical education and research in ethical ways, subsequently promoting mutual collaborative work with emerging anatomists.

Recently, ASE has received reports of plagiarised publications in several peer reviewed scientific articles. Although this may or may not be the sole problem of mentees and/or their mentors, we believe that this issue should be tackled at the international level. ASE is committed to working with scientific communities worldwide to overcome these academic challenges. We understand that the great majority of anatomists in Africa are emerging staff with little or no international exposure, and as such may not have enough understanding or awareness concerning the severity of such professional misconduct and its effect on their future professional development or academic career. Therefore, ASE is willing to work with interested member associations within IFAA and seeks the support of international experts to share their experiences with emerging anatomists.

Our plan is to generate a learning forum for the upcoming ASE annual conference. ASE is eager to receive input from any IFAA members in support of this awareness programme. Our goal is to develop concrete actions so as to improve the knowledge of emerging professionals regarding ethical publications, and further strengthen professional networking to minimise professional misbehaviour at an institutional level. Our recommendation is as follows, "Do not keep silent when your academic right is breached or misconducted, in unethical or immoral ways!" It is our motion to respect the rule of law while acknowledging any intellectual contributions made in the processes of ethical research and publication.

ASE acknowledges contributions from Abay Mulu, Addis Ababa University, Abebe Muche, University of Gondar, Abinet G/Mickael, Arba Minch University, Solomon Tesfaye, Jimma University, and others ALL.

Amenu Tolera Wirtu, Addis Ababa University, President of the Anatomical Society of Ethiopia

S-CAR ACTIVITIES 2021-2022 HAVE MADE THE ANATOMY ALIVE IN RWANDA

Since the launch of the Society of Clinical Anatomy of Rwanda (S-CAR), its activities have grown significantly. For example, the Society recently supported the anatomical competition organized by the UR Medical Students Association involving students from African countries. The last competition was won by a Kenyan student.

Our surgical anatomy dissection courses (SurAnat) have become a regular activity. So far, 17 SurAnat courses have been conducted, benefiting 193 residents (some of whom have participated more than once) and involving 19 trainers from anatomy and surgery departments. This has created the basis for a strong collaboration between the two interdependent domains.

We have also developed M.Sc. and Ph.D. programs in clinical anatomy, with the first intake in June 2022. We urge colleagues from experienced associations and universities to support us in implementing these programs.

We also celebrated World Anatomy Day on 15th October 2021 and we are committed to sustain this event and grow its activities.

On 13th and 14th October 2022, we are planning to have a S-CAR Congress with the theme of: **“Promoting anatomy for safe and effective medical practice”** with the following activities:

- 13th October 2022, Pre-conference Workshop on Peripheral Nervous System Dissection Course
- 14th October 2022: S-CAR General Assembly followed by a scientific conference

S-CAR is also blessed to have six new members, four from the University of Rwanda and two from the new Adventist School of Medicine (ASOME) at the Adventist University of Central Africa (AUCA).





A female neurosurgery resident elevating temporal artery flap during a flap anatomy course

Julien K. GASHEGU

Associate Professor of Clinical Anatomy
President of S-CAR

UPCOMING EVENTS

The Swiss Society of Anatomy, Histology and Embryology SGAHE/SSAHE is holding its Annual Meeting on 16 Sep 2022 in Bern (planned in person) with a special focus on "Digitalization in Anatomy Teaching" (Organizers: Nadia Mercader and Benoit Zuber). Apart from a poster session and the General Assembly, Prof. Prisca Liberali, Friedrich Miescher Institute for Biomedical Research, will give the Morphology Prize lecture (awarded 2021). Here is the Link to the website: <https://www.ssahe.ch/meetings.php>. Interested participants are welcome to register.

Professor Elisabeth Eppler
elisabeth.eppler@unibe.ch

The III international scientific and practical conference "3D technologies in clinical anatomy" will be held between 8 – 10 September 2023 in Samara, Russia.

Prof. Sergey Dydykin
Vice-President of the Russia SMSAHE
dydykin_ss@mail.ru

- Regional meeting - Anatomy Across Scales: From Molecules to Organisms by American Association for Anatomy, 7th and 8th October 2022, The University of Iowa, hosted by the Department of Anatomy and Cell Biology, Iowa City, IA



REGIONAL MEETING

Anatomy Across Scales: From Molecules to Organisms

OCTOBER 7-8, 2022

The University of Iowa, hosted by the Department of Anatomy and Cell Biology, Iowa City, IA

Abstract Deadlines:

September 6, 2022 (*to be considered for an oral presentation*)
September 19, 2022 (*to be presented as a poster only*)

Pre-registration Deadline:

September 28, 2022

Regional meetings include:

- Discounted registration rates for AAA Members and affordable rates for Non-members
- No abstract submission fee. One free abstract submission (per person) is included with your registration. Abstracts will be programmed as either an oral or poster presentations. Speakers for platform presentations will be selected from abstract submissions.
- Up to \$1,200 in awards will be presented to students for poster competitions
- Continental breakfast, lunch, and evening reception offer networking opportunities

Learn more at anatomy.org/2022regional (or scan the QR code above)





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