



PLEXUS

THE NEWSLETTER OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS

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- International Congress of Anatomists, India 2020, 15-16 October 2020

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Editor-in-chief – American Association for Anatomy

EDITORIAL

Welcome to this edition of Plexus.

It is indeed an honour and a pleasure to introduce myself and my collaborator, Dr. Shiby Stevens as your new Plexus editorial team. First, we would like to give tribute to our predecessors, Helen Nicholson and Nalini Pather who have served in this role for 10 years. It will be a hard act to follow, but we will try!

A few words about us: Isabel works in the Anatomy department at the University of Malta (UM), and also currently serves as Director of the International School for Foundation Studies at the University of Malta, preparing students from many parts of the world to enter medical and dental school. Her clinical training is in Obstetrics and Gynaecology and she still has a part-time practice that allows her to stay grounded in the clinical world. However, she very much enjoys teaching, and hopes to continue to do so, albeit remotely at present. Her research interests are now very much focused on medical education, and specifically anatomical teaching and learning. She also serves as Secretary to the Trans European Pedagogic Research Group, which recently hosted its first combined face-to-face and online meeting in Paris. Thankfully, all participants just managed to escape mandatory quarantine for 14 days!

Isabel is ably assisted by Dr. Shiby Stephens. After graduating in medicine (MBBS), Shiby started as an anatomy demonstrator at Cardiff University's School of Biosciences in 2004 and then a lecturer of anatomy since 2013. Her work on the tendinous variations and interconnections in the hand of musicians was awarded an MPhil in Anatomy in 2013. She was involved in the curriculum development at Cardiff University's new medical curriculum (C-21) in 2014. Shiby's interest in medical education has helped her to pursue a part-time PhD that evaluates the effect of multilingualism in learning anatomy. The impact of the findings from this project will affect how the medical curriculum can be adapted according to the individual's linguistic skills. Conceivably, if the hypothesis is supported by the results of this study, medical schools would consider providing ways of encouraging their students to develop linguistic skills. This will include studying foreign languages and classical languages such as Greek and Latin that feature so predominantly in medical terminologies.

In line with the main aims of IFAA to "stimulate friendship and cooperation among members of associations of anatomists and encourage scientific, technological, educational and administrative exchanges among anatomists worldwide", and further to the results of the survey circulated by my predecessors, our goal for this tenure is to solicit information and short articles including research as well as book reviews from all societies, but especially the newer ones. We would also like to see more calls for participation in joint ventures across the globe such as the recent one by Paul Stacey. We look forward to hearing more about member societies, learning about individual anatomists as well as advances in the discipline. We would also encourage all members to add a link to IFAA and to Plexus online to their signature line in email correspondence.

Meanwhile, as we all migrate to remote teaching imposed by the COVID-19 pandemic, let us remember that if we continue to put students at the center of everything we do, we will create the next generation of able anatomists.

Plexus is the means by which we communicate with each other between one IFAA meeting and the next. Please continue to send us your news.

Meanwhile, stay safe.

Isabel and Shiby

A MESSAGE FROM THE IFAA PRESIDENT

Dear colleagues and friends,

Greetings to anatomists around the world and welcome to the first issue of Plexus, edited by **Professor Isabel Stabile, the new Editor of Plexus.**

As we take leave of the previous co-Editors, Professor Helen Nicholson and Professor Nalini Pather, I would like to thank them for their dedication and hard work in bringing news on the IFAA and its member associations to anatomists around the globe! Thank you Helen and Nalini for your outstanding commitment to the IFAA.

Professor Isabel Stabile is being assisted by Dr Shiby Stephens in conveying important news, updates on member associations and information on future anatomical Congresses through Plexus. I would like to thank them for taking on this enormous task and wish them success! Please support them by sending them regular information for inclusion in Plexus.

In this new year of 2020, the IFAA Executive looks forward to implementing the outcomes of the 2019 *ad referendum* vote by the representatives of IFAA member associations. These are as follows:

1. IFAA representatives acknowledged the importance of anatomical research by voting to change the IFAA's committee on research to programme status. Thus our research component will now be known as the **Federative International Programme on Research (FIPAR)** in the future. A Task group chaired by Emeritus Professor Stephen Carmichael has made suggestions for a wide range of sub-disciplines of anatomy to be represented on the programme. The nominations for the Chair of FIPAR as well as committee members are currently under discussion.
2. As there are now two **Vice Presidents** of the IFAA, the **terms of office** of this position have been clearly defined. The President of an IFAA Congress will become a Vice-President of the IFAA on the last day of the IFAA Congress preceding her/his Congress and will continue as Vice-President through the period of her/his Congress until the first day of the next Congress. This arrangement ensures a 5 year period of office for each Vice President.
3. There has been a **change to the voting system** of the General Assembly such that large associations (over 500 members) have 4 votes, medium sized associations (between 100 and 499 members) have 2 votes and small associations (less than 100 members) have 1 vote.
4. The IFAA is set on an ambitious programme of activities to assist in the continuing development of the anatomical sciences. A **College of Representatives** will be formed that will include one of the representatives from each member association of the IFAA as a member. The College will be tasked with initiatives to help with the development of the anatomical sciences and to oversee some of the issues being considered by the IFAA. The chair of the College will be a member of the Executive Committee. Member associations will soon be asked to nominate one of their two representatives for the College.

The first "**World Anatomy Day**" (WAD) on 15th October was creatively celebrated around the world in 2019! A big thank you to Professor Erdogan Sendemir for initiating this event! We are already receiving information on a number of events and congresses planned by member associations for WAD 2020! Please let us know how your association will be celebrating this day!

The next **IFAA Congress** will be hosted by the **Turkish Association of Anatomists in Istanbul in 2021**. Please start planning ahead for your attendance at this IFAA congress. IFAA congresses are important for bringing together international anatomists to discuss and plan for the future of our discipline.

Sadly the arrival of COVID-19 has had a major, devastating impact around the world. I wish you all well during these troubled times, and know that together we can work to make the world a better place in the future!

Stay safe and healthy!

With warm anatomical wishes,
Bev Kramer
President: IFAA

HIGHLIGHTS FROM THE IFAA CONGRESS, 2019



The 19th Congress of the International Federation of Associations of Anatomists was successfully held in London, United Kingdom from 9th to 11th August 2019.

Key highlights of IFAA 2019

IFAA 2019, hosted by the Anatomical Society, attracted 931 delegates to London, 34 years after it was last held there in 1985.

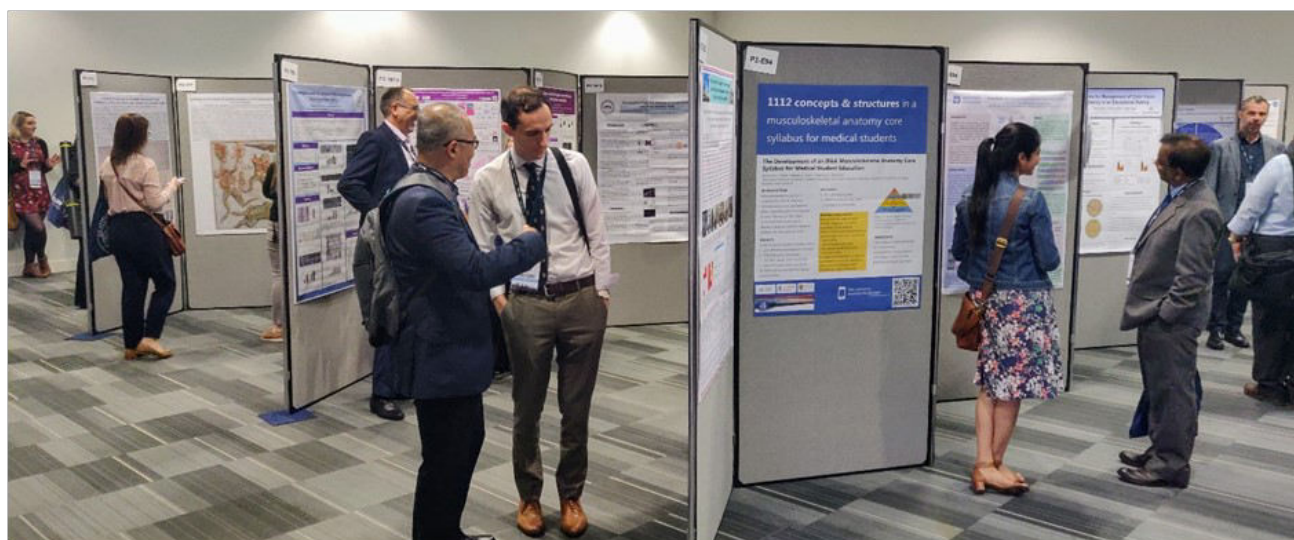
The Congress was held at London ExCeL, offering a stimulating and varied programme including 5 excellent plenary sessions, a range of 31 symposia, and 101 oral scientific presentations, spanning the breadth of activities in the anatomical sciences.



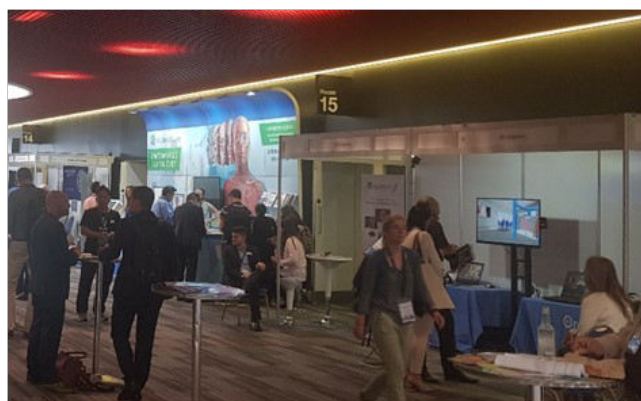
5 industry sponsored symposia were also held, addressing topics from formative assessments in clinical anatomy, to augmented reality, virtual reality and 3D models.

Emeritus Professor Susan Standring opened the Congress with a plenary lecture on 'The History of Gray's Anatomy'. 518 posters were available to view over the 3 days covering a wide range of topics, from anatomical science to clinical education. There was also a display of 40 anatomical art posters and Professor Clive Lee gave a plenary lecture on 'Art and Anatomy'.





IFAA 2019 also offered excellent opportunities to interact with 20 leading exhibiting companies demonstrating the latest developments in the industry. Delegates enjoyed networking in an immersive and fun experience at the Medieval Banquet, located in the beautiful and historic St Katharine Docks alongside the River Thames, where they were entertained by 'Henry VIII and his court of knights, troubadours, contortionists, magicians, jugglers, minstrels and medieval tumblers' whilst dinner and drinks were served.



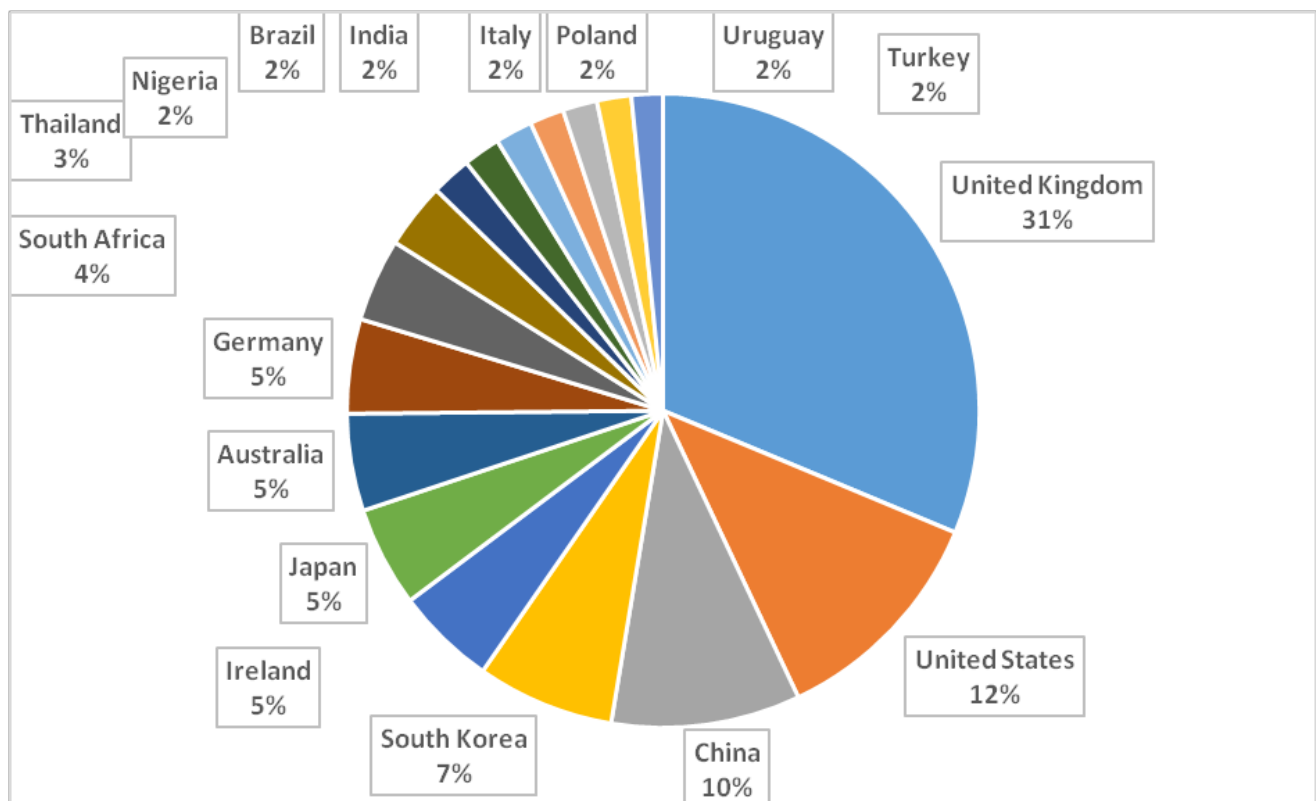
Registration Summary

- Total attendance: 931
- Countries represented: 73
- Number of attendees by Country (including only the top 17 Countries):

The Anatomical Society is proud to host:
***The 19th Congress of the International Federation
of Associations of Anatomists (IFAA 2019)***

ExCel, London, UK / 9-11 August 2019

United Kingdom	214	Thailand	23
United States	80	Nigeria	14
China	66	Brazil	13
South Korea	48	India	13
Ireland	35	Italy	12
Japan	35	Poland	12
Australia	34	Uruguay	12
Germany	33	Turkey	11
South Africa	29		





Scientific Programme Summary

The scientific programme of the 19th IFAA Congress provided a unique opportunity for anatomists from around the world to debate and generate vibrant discussion on anatomical research, teaching and many other matters of importance to our discipline. Thanks to the 8 parallel sessions, participants were able to tailor their personal agenda to suit their own interests. The scientific offer encompassed three main streams: clinical practice, anatomy education, and anatomical science.

Enhancing Clinical Practice

The widespread and important utilisation of cadaveric material to enhance clinical practice was an important thread at the IFAA 2019 Congress. Symposia addressed key areas including the use of cadavers in the development and practice of clinical and surgical procedures, the use of ultrasound as an educational tool, forensic clinical anatomy, craniofacial defects and fascia. We heard about relevant anatomical variations, simulation and developments from all around the World, in addition to a fascinating keynote on transgender surgery from Mr Phil Thomas.

Innovation And Advancing Best Practice In Anatomy Education

Anatomy Education is undergoing considerable change worldwide, driven by many factors including a reduction in available teaching time, staffing issues, cadaver availability and cost, the availability of new technologies and changing views on pedagogy. Therefore, Anatomy Education was a major theme of IFAA 2019. The Congress included 15 symposia covering a wide variety of Anatomy Education topics, including assessment, education innovation, ethics, the use of cadavers, digital technology, ultrasound and the use of social media.

From The Brain To Tissue Engineering, And From The Mesentery To Desmosomes, We Got It Covered

Anatomy and morphology underpin many branches of scientific, medical and veterinary research. At IFAA 2019 significant insights were presented into aspects of neuro anatomical, histological and embryological research, and also the use of anatomical techniques in fields such as reproduction, evolution and development. The symposia addressed areas including motor neurone diseases, desmosomes, tissue engineering, the mesentery, fascia, tumours and craniofacial defects amongst others.

Oral and Poster Presentations Summary

Total Abstracts Accepted for Symposia	211
Total Abstracts Accepted for Orals	101
Total Abstracts Accepted for Posters	522
Total Abstracts Accepted for Anatomical Art	44
Total Abstracts Rejected	14



Key Partnerships Summary

IFAA 2019 secured partnerships with a total of 12 main sponsors (2 Platinum, 3 Gold, 2 Silver, 4 Bronze, 1 App Sponsor), 9 exhibitors and 26 endorsing societies and organizations.

PARTNERSHIP INFORMATION	
Level/Contribution	Company/Organization
Platinum Sponsors	3D Organon, Primal Pictures
GoldSponsors	Anatome, Elsevier, Wolters Kluwer
SilverSponsors	Sectra-Toltech, The DodgeCompany
Bronze Sponsors	3D4Medical, An@tomedia, Gwangju – Winner city for IFAA 2024, LEEC
App Sponsor	Royal College of Surgeons of Ireland
Exhibitors (incl. sponsors)	3D Organon 3D4Medical 4D Anatomy Adam,Rouilly American Association for Anatomy An@tomedia Anatome Anatomical Society AVRO - Augmented Virtual Reality Oculi Gwangju, Korea - Winner city for IFAA 2024 Elsevier Erler-Zimmer GE Healthcare LEEC Primal Pictures Sectra - Toltech The Dodge Company Von Hagens Wiley Wolters Kluwer



#IFAA2019

The Anatomical Society is proud to host:

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ExCel, London, UK / 9-11 August 2019

London Photography @LondonPhoto

Endorsing Societies

American Association for Anatomy
 American Association of Clinical Anatomists
 Anatomical Society
 Anatomical Society of India
 Anatomical Society of Nigeria
 Anatomical Society of Southern Africa
 Anatomische Gesellschaft
 Argentine Association of Clinical Anatomy
 Australia and New Zealand Association of Clinical Anatomy
 British Association of Clinical Anatomists
 Brazilian Society of Anatomy
 Chinese Society of Anatomical Sciences
 Czech Anatomical Society
 Hungarian Anatomical Society
 Indonesian Anatomists Association
 Institute of Anatomical Sciences
 Italian Society of Anatomy and Histology
 Korean Association of Anatomists
 Netherlands Anatomical Society
 Pan-American Association of Anatomists
 Polish Society of Anatomy
 Portuguese Anatomical Society
 Scientific Medical Society of Anatomists, Histologists and Embry-
 ologists
 Serbian Anatomical Society
 Spanish Anatomical Society
 Swiss Society for Anatomy, Histology and Embryology
 Turkish Society of Anatomy and Clinical Anatomy

IFAA PRESIDENTS EMERGENT ANATOMISTS PROGRAM (PEAP)

The President's Emergent Anatomists Programme (PEAP) was launched during the 19th Congress of the International Federation of Associations of Anatomists (IFAA) in London. The President of the IFAA, Professor Beverley Kramer, initiated this programme following international requests from emergent anatomists for guidance on professional development, curriculum design and initiation of research and collaborations.



PEAP workshop organisers: Professor Beverley Kramer (President IFAA, South Africa), Ms Francesca du Toit (Netherlands), Professor Nalini Pather (Chair of FIPAE, Australia), Dr Carol Hartmann (South Africa), Dr Erin Hutchinson (South Africa)

The inaugural workshop of PEAP was established subsequent to a survey being sent out to emergent anatomists registered with Member Associations of the IFAA. As a result of the survey, a clearly expressed need for capacity building within the discipline of Anatomy and developing supportive collaborative networks was evident. This inaugural symposium was the first step in establishing an IFAA-led PEAP to support and nurture the next generation of anatomists in their research, teaching and professional development. Thus the aim of the London symposium was to bring together established and experienced mentors with emergent anatomists i.e. those registered for a higher degree and/or employed in knowledge-based institutions, who are actively trying to establish themselves as an anatomical sciences researcher, educationalist or advocate.

With attendees from all four corners of the globe, the inaugural workshop, co-chaired by Professor Nalini Pather and Ms Francesca du Toit was a hive of active engagement. Subsequent to a warm welcome by Professor Kramer, results of the IFAA survey were presented by Professor Pather. Professor Lynne Oppermann, Regents Professor and Head of the Department of Biomedical Sciences at Texas A&M University Medical Centre, presented her keynote address entitled: "Many roads, Mentors, Lemons and Lemonade to becoming a successful scientist and educator".



Professor Lynne Opperman (Keynote speaker, USA) and Professor Beverley Kramer (President IFAA)



Workshop contributors. Left: Professor Guido Macarelli (ISMS president), Professor Beverley Kramer, Professor DiagoPias, Professor Nalini Pather, Dr Segun Oyedele, Professor Darell Evans, Ms Francesca du Toit

During the event expert panellists, Professors Beverley Kramer (RSA), Lynne Oppermann (USA), Darell Evans (Australia), Laura Borgno (Uruguay) and DiagoPias (Portugal); Assistant Professor Akira Shinaoka (Japan) and Dr Segun Oyedele (Canada), recalled some of their experiences over the course of their career journeys. Panellists also imparted with valuable advice to emergent anatomists during the subsequent question and answer session, which provided emergent anatomists present with a platform to seek clarity on dealing with a variety of academic development issues.

Attendees were then invited to participate in round table discussions with the panellists addressing pertinent themes for emerging anatomists namely: “What challenges do you face in your context?” and “What would you find helpful?”. These round table discussions also served as an opportunity for emergent anatomists to engage with their peers as well as potential mentors associated with the PEAP program. The workshop was then closed off with concluding remarks presented by the President of the International Symposium of Morphological Sciences (ISMS) Professor Guido Macarelli.

The PEAP team would like to extend their heartfelt thanks to the Best Network (www.best.edu.au) as well as HS talks (www.HSTalks.com) for their sponsorship of and assistance with the PEAP programme. Emergent Anatomists are encouraged to engage with this programme and may do so by signing up at <https://forms.gle/FQmHHZVPFW431Vah6>

Dr Erin Hutchinson
University of the Witwatersrand

Letter from a recipient of an IFAA Emergent Anatomists Award to attend the 2019 IFAA Congress in London: Dr. Aysegul Gungor Aydin of Turkey

Thanks IFAA for the amazing platform to network, share ideas and inspire us. Thanks to the organization committee for an amazing congress and opportunity to present my work on new fixation methods in anatomy. It was my pleasure to be there and to share what I have been doing with a group of outstanding academicians. Also, thanks to the Anatomical Society for hosting us in a beautiful city, London.

I enjoyed the congress very much; interesting talks, nice participants and the wonderful place. I do appreciate the painstaking work for the organization and engagement of the conference, and needless to say, your hospitality. Thank you very much for your excellent management of what has turned out to be a successful and highly stimulating conference.

It was a great honor for me to attend the IFAA congress. The quality of the plenary lectures invited speakers was of the highest level. I really enjoyed the insightful talks given by the speakers especially the one by Prof. Susan Standring. Every session I attended was engaging and insightful, particularly the one on "Recent developments in neuroanatomical terminology."

As part of the registration incentive which was provided to me by the IFAA, I particularly took advantage of the President's Emergent Anatomists Program (PEAP) workshop. During the workshop, we shared opinions, thoughts and solutions for our problems. The PEAP workshop provided the opportunity to meet and interview top scientists face-to-face and listen to their own scientific journeys which were very encouraging. Especially, Lynne Opperman was an inspirational person whose scientific story was full of achievements. I think I will not forget the words she said "do what you are doing with love". Also, it was a great advice to scientists to compete against self to improve oneself, rather than competing against others. Small group discussions in the workshop focused on topics and were very helpful. As a postdoc student, it was beneficial to hear people with similar problems all over the world. We had the opportunity to discuss our problems with each other. We shared our own challenges. Also, I had realized that all we have same concerns about the future.

Many thanks for the brilliant conference. It was the first time that I was at IFAA congress and I would like very much to repeat this experience. I learned a lot, and had a very good time. It was an invaluable experience in the academic community, also a privilege to finally be able to visit London.

Respectfully yours,

AysegulGungor Aydin

Department of Anatomy, Faculty of Medicine
Pamukkale University
20070, Denizli, Turkey

Scientific Society of AHET of Ukraine

The VII Congress of the Scientific Society of AHET of Ukraine was held on October 2-4, 2019 in Odessa at the Odessa National Medical University. The President of the Society Yu. Chaikovsky delivered welcoming speech. He spoke about the achievements of the Society in the past 4 years; noted that much has been changed and today there is something to tell and what to share, and also awarded medals and certificates to the most active scientists.

For two days the participants of the Congress, morphologists from all medical and veterinary universities and research institutes of Ukraine shared their knowledge, and achievements in scientific and pedagogical activity.

One of the meetings was devoted to the role of women-scientists in the development and formation of morphological scientific schools. This is Anna Krasuskaya – the world's first woman professor of anatomy. As well as Maryana Kornilova, Evgeniya Malovichko and many others who made a great contribution to the development of morphological science.

Yu. Chaikovsky, L. Yaremenko,

Department of Histology and Embryology
Bogomolets National Medical University. Kyiv. Ukraine



Emeritus Professor Ann Andrew passed away quietly on the 14th August 2019. She died as she had lived, without ceremony or fuss. Ann was an internationally recognised researcher and was regarded as a leading figure in the field of experimental embryology.

Although one's life is not defined by one's academic achievements, Ann's academic record was most certainly exemplary. She obtained a BSc (1948), a BSc Honours (1953), a MSc (1956) and a PhD (1963) all from the University of the Witwatersrand and while based in the Department of Zoology. In 1982 Ann submitted a collection of research papers for, and was awarded a DSc, the senior Doctorate of the University. Among the awards and grants which Ann achieved was the prestigious South African Academy of Science and Arts Junior Captain Scott Memorial Medal for an exemplary Masters dissertation (1960).

Although trained in Zoology and having worked in the Zoology Department at the University of the Witwatersrand, in 1953 Ann transferred to the Wits Faculty of Medicine where she was appointed as a Graduate Assistant in the Department of Anatomy. In 1954, she was appointed to an academic post at the level of lecturer but easily climbed the academic ladder to appointment as Associate Professor by 1969. The Department of Anatomy was based in the old Medical School on Hospital Hill. Professor Phillip Tobias was Head of the Department at that time and from 1959 Ann worked under his guidance as Supervisor of the Micro-Anatomy section of the Department until her retirement in 1989. Ann's exceptional work and skills were recognized by the Faculty of Medicine in 1979 when she was promoted to the position of Ad Hominem Professor of Experimental Embryology. She was made a Fellow of the Royal Society of South Africa from 1989.

Early in the 60's, Professor Andrew had disagreed with a proposal that all APUD (Amine Precursor Uptake and Decarboxylation) cells were neural crest in origin. Together with her collaborators, Professors Bengy Rawdon, Bev Kramer and others, she set about disproving this hypothesis. Ann's work was meticulous and the team worked hard at carrying out a variety of finely tuned, intricately planned experiments to disprove the hypothesis and they did. While it took a substantial amount of time (almost 20 years), the "APUD Ghost" was laid to rest. It was a feather in Ann's cap when the originator of the hypothesis finally acknowledged the outcomes of her work!

While Professor Andrew officially retired in 1989 as an Emeritus Professor, her love of research kept her in the Department of Anatomy as an Honorary Research Professorial Fellow until 1996. In 1995, a Festschrift was published in her honour. The chapters in the Festschrift 'Embryos, Endocrine cells and the Neural Crest' edited by B Kramer and B Rawdon, were contributed by numerous international and local collaborators and friends. They are testimony to Ann's quest for scientific truth through embryological exactness.



Ann lived a wonderfully full life. Her love of the outdoors, of hiking and of travelling were well known. She played tennis, squash, league hockey, sang in both the St Columba's church choir and the National Symphony choir and loved gardening.....all this while she was supervising the micro-anatomy staff and students, busily correcting her PhD students' theses and writing over 50 articles! Ann Andrew provided the University of the Witwatersrand with outstanding service for over 45 years, establishing skills and research integrity among her students which will be carried on to future generations of academics.

Emeritus Professor Beverley Kramer
University of the Witwatersrand

*University of the Witwatersrand: The School of Anatomical Sciences 100
years of Teaching Excellence*

The year 2019 officially marks 100 years of teaching excellence for our School. To mark the occasion, the School of Anatomical Sciences hosted a series of events which coincided with World Anatomy Day, the birthday of Andreas Vesalius (15th October).

The programme of events highlighted the rich diversity of the teaching and research interests of the school. The Anatomy exhibition and body donation information session located at the Maropeng Museum between the 23rd September and 5th October provided a rich platform for engagement between the public and members of staff and postgraduate students of the School of Anatomical Sciences. During this period the support and technical staff also took time out to visit Maropeng and engage in some of the activities on offer.

To compliment the Anatomy exhibition and body donation information session, Dr Brendon Billings and various members of staff also compiled a series of You Tube videos speaking directly to the impact and value of body donation, these may be viewed under the following heading: Donate your body, change a life (Wits School of Anatomical Sciences).

The centenary celebrations also included two student events. The undergraduate student event took the format of a selfie challenge. Undergraduate students were asked to dress up as their favourite super hero and then add a medical twist to the outfit, following which they needed to submit their selfie. Postgraduate students as well as anatomy staff were challenged to a postgraduate quiz night, where quiz teams were asked to dress up. Prizes were awarded to the best dressed as well as the winning team. In addition a lecture series was presented on the 15th October to commemorate World Anatomy Day, Emeritus Professor Kramer presented a lecture on the history of the School of Anatomical Sciences and various young academics presented lectures on the future of Anatomy teaching. The centenary celebrations concluded with a guest lecture by Professor L Chait addressing his memories of his association with Wits Anatomy over the years and the awarding of prizes to the "Art of Anatomy" competition winners.



Front row left: Professor Maryna Steyn, Dr IlkeMalungo, Dr Ayanda Ngwenya. Back row left: Emeritus Professor Beverley Kramer, Mrs Glynis Veale, Professor Amadilhunwo, Mrs Aleksandra Jovanovic, Dr Desire Brits, Professor Lynne Schepartz, Dr Tanya Augustine, MrsKutlwanoXulu



School of Anatomical Sciences Technical and Support Staff at Maropeng in celebration of 100 years of Teaching Excellence in Anatomy

University of Johannesburg: Department of Human Anatomy and Physiology (HAP)

The Department of Human Anatomy and Physiology was well represented at the 47th Annual Conference of the Anatomical Society of Southern Africa held in April 2019, with all staff members attending the conference. Oral and poster presentations were done by the HAP team within the fields of Anthropology, Cell Biology and Medical Education. Ms. Nicolene Jooste presented her paper on the "Performance of component - versus stage-based methods of age-at-death estimation" in the Anthropology session. Dr Erna Bruwer gave an oral presentation, in the Medical Education session, on the "Assessment of ethics in teaching in a South African context." Prof Shahed Nalla presented the following two poster presentations: "The arcuate foramen in Chalcolithic and present human subjects" and "Differences in gonial angle values between Chalcolithic and present subjects." Dr Pilani Nkomozepi presented his research work entitled, "Oleanolic acid attenuates high fructose-induced impairment of adult hippocampal neurogenesis in Sprague Dawley rats", in the Poster Presentation session. Ms. Sundika Ishwarkumar presented a poster entitled, "A morphometry and morphology of the acetabulum within the Black South African population of KwaZulu-Natal, South Africa", which earned her the first place SV Naidoo Award for the Best Poster presentation.



HAP's Anatomists at ASSA 2019: From the left: Dr Erna Bruwer, Ms Nicolene Jooste, Dr Pilani Nkomozepi, Ms Sundika Ishwarkumar, Dr Elaine Swanepoel and Prof Shahed Nalla.

IFAA 2019

Prof Shahed Nalla also attended the 19th Congress of the International Federation of Associations of Anatomists in London from 9 to 11 August 2019, where he presented on the “CI

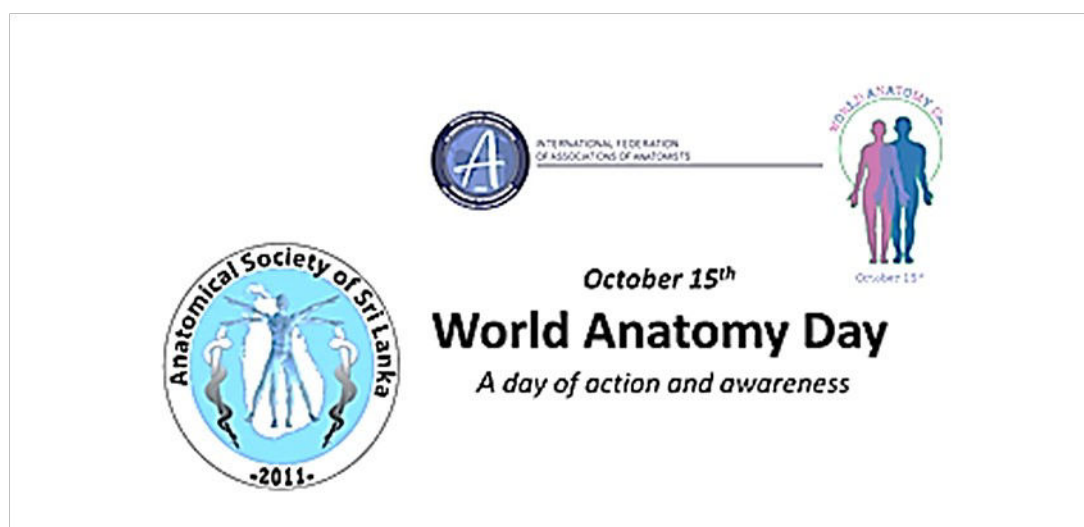
**Academic vacancies:**

HAP recently advertised a post for a Senior Lecturer/Lecturer within the dominate of Human Anatomy. The details pertaining to this post is on the University of Johannesburg's homepage, under vacancies (http://jobs.uj.ac.za/index.php?s=advert_view&g=6288&x=7098799&i=2823&pop=1).

Sundika Ishwarkumar

HAPS

University of Johannesburg



The induction of the Anatomical Society of Sri Lanka (ASSL) to the membership of the International Federation of Associations of Anatomists (IFAA) was celebrated on October 15, 2019, designated as World Anatomy Day, a tribute to the founder of modern human anatomy, Andreas Vesalius, who died on October 15, 1564.

A scientific meeting was organized by the ASSL to commemorate this occasion in order to encourage the development of teaching and research in all fields of anatomy. The keynote address was delivered by Dr. Sithara Dissanayake MBBS, MD (Otorhinolaryngology), DOHNS (UK), Senior Lecturer, Department of Anatomy, Faculty of Medical Sciences, University of Sri Jayewardenepura Sri Lanka. In her address she emphasized the role of Anatomy curricula in developing professionalism, empathy, ethics, the humanities and communication skills among the students. She further discussed the range of novel technologies incorporated into the learning of anatomy whilst highlighting the undisputed value of cadaver dissection and/or the examination of prosected material which will remain at the core of anatomy learning.

Anatomy curricula have become more integrated and system based, and the teaching more clinically relevant. This increasing emphasis on learning facts and acquiring knowledge in the entwined and interrelated form rather than in isolation, is important for student centered learning. Deeper learning of key principles and clinically relevant anatomy requires students to assess themselves regularly. An early introduction to clinical problems adds context while also stimulating the student's interest and thereby improve recall. The importance of such learning was showcased at the Pre-med Seminar conducted for 150 pre-medical students at the auditorium of the Sri Lanka Medical Association (SLMA) by the Anatomical Society of Sri Lanka on October 16, 2019 to coincide with the World Anatomy Day celebrations.

American Association for Anatomy (AAA)

In January, **AAA members elected new officers** (including two from Canada). The results were announced on Friday, February 7. The new officers will be installed to the Board of Directors at the AAA Annual Meeting at Experimental Biology.

Meet the new Board members: Anne Burrows, Claudia Krebs, Joan Richtsmeier, and Madeleine Norris. We extend our gratitude to the Board members whose terms of service will conclude at the same time: Martine Dunnwald, Julian Guttman, Jennifer McBride, and Heather Richbourg.

On January 29, the Board approved a **new anti-harassment statement**, which reads: We commit to ensuring that the AAA mission is accomplished in an environment free from discrimination, harassment, bullying, retaliation, and in which individuals are always treated with dignity and respect. AAA takes all harassment and discrimination claims seriously and will not tolerate any violations. AAA can only meet its mission if all involved are held to the highest standards of ethical conduct and professionalism.

On February 14, the Board issued a memo expressing **concern about expanded travel restrictions to the United States**. The Board reiterated its support for international members saying, in part:

- Without question, we are committed to every member of this Association. We welcome your participation and your scientific and educational contributions to advance anatomy, and we are thankful for your membership.
- AAA remains steadfastly committed to diversity, equity, and inclusion among our membership and at our meetings. Diversity makes us a better, stronger, and more innovative organization. As a scientific society, we will continue to welcome and support scientists from all parts of the world.

The **Society for Craniofacial Genetics and Developmental Biology (SCGDB)** is now an affiliate of the AAA. In Fall 2019, the Boards of both societies approved the affiliation agreement, which is now in effect. Individuals who wish to join SCGDB must join AAA and add the SCGDB membership. Current AAA members have the option to join SCGDB at any time. SCGDB dues are just an additional \$10 per year. SCGDB membership provides the right to stand for office and vote in SCGDB elections, and eligibility for SCGDB-sponsored awards.

Did you know? AAA is a member of the **Federation of American Societies for Experimental Biology (FASEB)**. FASEB recently launched a new microsite and video featuring AAA staff to show other scientific societies the benefits of FASEB membership. Check it out!

16th Annual Meeting of the Trans European Pedagogic Research Group, Paris, March 2020

The *Trans European Pedagogic Research Group* (TEPARG) held its 16th annual meeting in Paris on March 8, 2020. On the eve of the meeting Prof. Brenner generously hosted an Austrian wine tasting session. Due to the current COVID-19 crisis, four members gave their presentations by Skype. The meeting was coordinated by myself as the Secretary of the group and hosted by Prof. Odile Plaisant.

The morning session was dedicated to presentations on any educational aspects of teaching anatomy, while the afternoon session focused entirely on teaching neuroanatomy.

Dr. Iain D. Keenan presented papers on *“Focused multisensory anatomy observation and drawing enhances social learning and 3D spatial understanding”* and *“Enhancing self-directed learning of clinical imaging interpretation and cross-sectional anatomy by Integrating remote digital visualisation technologies”*. Dr. Mathan presented the results of her Delphi study culminating in *“The Anatomical Society’s Core Anatomy Syllabus for Dental Undergraduates”*. Via Skype Prof. Sotgiu from Cagliari presented a paper on *“Learning anatomy: Perceptions of Italian Medical Students on the replacement of human dissection by modern technologies”* and my presentation on *“Carpal Tunnel Syndrome Bloopers: Lessons learned”* brought the morning session to a close.

Lunch was generously hosted by Dr. Odile Plaisant, after which Prof. Diogo Pais chaired the afternoon session on teaching of neuroanatomy. The first paper by Prof Arantes (by Skype) focused on *“Teaching neuroanatomy in medical and dental curricula”*. Harry Carr (medical student at Newcastle University) presented a paper on *“1 Brain, 2 Brains, 3 Brains, 4! – 3D-Printing and Neuroanatomy Education: A Student-driven Initiative”*.

This was followed by two papers from Padua presented by Skype by Dr Emmi (*“Combining Brain Cutting, Microscopical Anatomy and MRI in teaching Neuroanatomy”* and *“Building a 7T MRI – Anatomico-Microscopical Atlas with 3D reconstruction and printing of the Ex vivo Brain: Didactic and educational perspectives”*). Prof Plaisant presented *“An update on the DeJérin Atlas”*. The academic meeting was closed by papers by Prof. Moxham on *“Attitudes of medical students towards the clinical relevance of neuroanatomy”* and *“A survey amongst TEPARG members of the ways neuroanatomy is taught: does the IFAA’s neuroanatomy core syllabus feature?”*

As always, the meeting generated lively discussion on each of the papers presented. Two Student/Junior investigator Prizes for the best oral presentations were awarded during the meeting to Harry Carr and Aron Emmi. Each will receive Euro 250 as part payment for their travel expenses.

Social distancing permitting, the next meeting will be held on March 6, 2021 in Barcelona.

Prof. Isabel Stabile

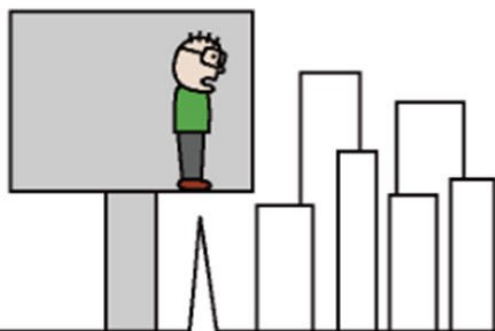
Secretary
TEPARG

Dr. Anatophil

MS Chung (anatomy.co.kr)

Episode 740: One can see as much as one knows.

I went up to the observatory in an unfamiliar city. There was no fun, since I did not know anything about that city.



Just lots of buildings.

Fortunately a kind citizen explained the city, so I had a good time.



A famous accident happened in that building...

One can see as much as one knows.

Anatomy is the same. Interpretation of the dissected cadaver is more important than dissecting the cadaver.



With an anatomist, there are meaningful structures to see.

In hospital, the same happens. Interpretation of taken medical images is more significant than taking the images.



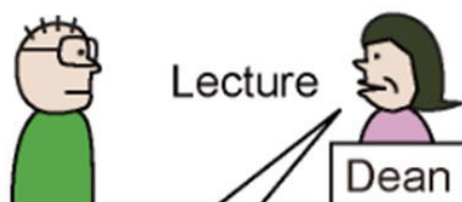
With a radiologist, diagnosis is possible.

Dr. Anatophil

MS Chung (anatomy.co.kr)

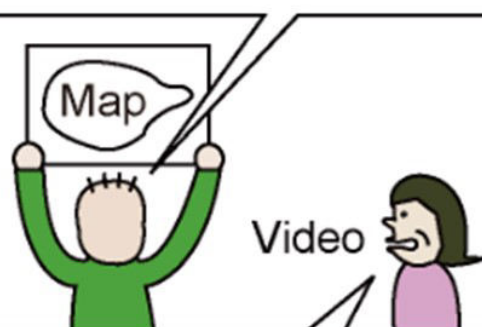
Episode 875: Nothing can replace dissection.

Dean told me not to do cadaver dissection.



Dissection consumes a lot of money and time. Is attending anatomy lecture not enough?

Attending lecture is like reading map, whereas dissection is like traveling with map.



Is watching video of dissection not enough?

Watching video is to play a golf on video game, whereas dissection is to play a golf on field.



Is observing dissection enough?

Observing dissection is to swim on ground, whereas performing dissection is to swim in water.



Nothing can replace cadaver dissection.

STUDENT CONTRIBUTIONS:

By Shan-Lim, First Year medical student - Cardiff University



Jocelyn Sheung Hang Mak First Year medical student -Cardiff University

The Silent Teachers

Though I knew nothing about you before
However and whoever you were
Always, as I know, you are calm, silent and patient.
Not making a sound, you share yourselves generously, every part of you
Kindling love and sacrifice, life after life.
Salutes, thankfulness and respect are all I'd like to pay tributes to you.

Signs and traces of your suffering
Inspire more than just thoughts and memories, but reflections and respect of life.
Learning and understanding what you have been through
Enduring pain and all kinds of miseries with stoicisms.
New light sheds on your body.
Though life is short and limited, your selfless donation of yourselves is always remembered

Signs and traces of your suffering
Inspire more than just thoughts and memories, but reflections and respect of life.
Learning and understanding what you have been through
Enduring pain and all kinds of miseries with stoicisms.
New light sheds on your body.
Though life is short and limited, your selfless donation of yourselves is always remembered

STUDENT CONTRIBUTIONS:

Tears and sorrows shed no more.

Embraced with your trust,

Appreciating the great love of your offering behind the struggles and reluctance

Courageous, determined, aspired, and

Humble before you, with

Earnest and sincere thanksgiving to you, with

Respect and

Solemn gratitude.

REFLECTION:

By: Ms Jessi-Kate Viljoen -Second Year Biomedical (Anatomy) student - Cardiff University

The emotions before embarking on the first dissection included excitement, apprehension and nervousness- for many this was our first experience with a dead body. Our nerves were somewhat soothed by the 'meet your donor' introduction, where we were able to uncover our donors and ease into the prospect of dissection. We were encouraged to speak openly about our reactions to one another, as to not harbour any uncomfortable feelings we might have.

Being one of the first dissectors in the group, it was a surreal moment making the first incision into human flesh. In the days following that session, it was hard not to be overwhelmed with an increased sense of mortality.

As numerous sessions went by, the concept of dissecting a human body became less profound and started to feel more routine. This loss of emotion makes it easy to lose appreciation for the donor. A balance needed to be reached between contemplating human fragility and being detached from the reality of dissecting a human body.

As we move from dissecting one part of the body to another, there are so many intricacies to notice and appreciate. Seeing all the layers of muscles, nerves and blood vessels is amazing to experience first-hand.

Donors provide students a new dimension to learning; each dissection solidifies the understanding and familiarity with the human body. It elevates the learning experience from textbooks and lectures to a physical tactile example. It truly is privilege to be able to learn human anatomy this way and is something that should not be taken for granted.

UPCOMING EVENTS:

2nd Alpine Anatomical Research Conference

Obergurgl/Tyrol - April 05-08, 2020

Functional Anatomy - Cell Biology - Developmental Biology - Neuroscience



Organizers: Lars Klimaschewski, Erich Brenner (Innsbruck), Stefan Britsch (Ulm), Christoph Viebahn (Göttingen)

We are pleased to invite you to attend the second "Alpine Anatomical Research Conference" to be held in Obergurgl (Tyrol, Austria) on 5th to 8th of April 2020. This will be an expert meeting on novel developments in the morphological sciences covering all aspects of Anatomy and Histology including Functional Anatomy, Neurobiology and Developmental Biology. Valentin Nägerl (Université de Bordeaux) will present novel developments in the field of super-resolution confocal microscopy, Beate Brand-Saberi (University Bochum) reports on recent advances in Molecular Embryology and Gabriele Rune (University of Hamburg) will discuss the neuronal effects of sex hormones with particular reference to the differences between the male and female brain. The Congress fee of appr. 500€ covers registration and 3 nights (double occupancy, reduction for students) at the beautiful University Center Obergurgl (<https://www.uibk.ac.at/uz-obergurgl/> <<https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.uibk.ac.at%2Fuz-obergurgl%2F&data=01%7C01%7CStephensSG%40cardiff.ac.uk%7Cc43fa9bcebb44c39968a08d79e84f318%7Cbdb74b3095684856bdbf06759778fcbc%7C1&sdata=fuM6lVC68CdUOn%2FeY%2BVbcjRIP%2BaBb5GDceAY9ppDqXk%3D&reserved=0>>) including breakfast and dinner. At this time of the year we may expect perfect conditions for skiing, cross-country skiing, snow-shoe and Nordic walking. It is possible to prolong your stay if you wish to combine the scientific meeting with your holidays. Please go to <https://aarc.eu/> <<https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Faarc.eu%2F&data=01%7C01%7CStephensSG%40cardiff.ac.uk%7Cc43fa9bcebb44c39968a08d79e84f318%7Cbdb74b3095684856bdbf06759778fcbc%7C1&sdata=SPntO%2BkCCG3KIXMpgtyEO54oguL6DT6fDI19UH0tc04%3D&reserved=0>> for registration.

Lars Klimaschewski MD PhD
Medical University Innsbruck



On behalf of the Local Organising Committee (UKZN & DUT), we are excited to announce our **FIRST CALL** for the ASSA 2020 Conference (19-22 April 2020). Please see attached documents for registration and abstract guidelines. If you require further information, you are welcome to contact me or assa@dut.ac.za.

Registration & Abstract submission OPEN TODAY!

Please use the **updated** link below for registration and the attached document has information for Abstract submission.
<https://forms.gle/UFoxJu3iDcP6eteb9>.

We look forward to seeing you in Durban in 2020!

115th Congress of the Anatomische Gesellschaft, September 22-25, 2020

From September 22 to 25, the 115th Congress of the Anatomische Gesellschaft will take place in the premises of the Medical University of Innsbruck (MUI).

Headline: Men or Mice – Both are nice

The Anatomical Society, which exists since 1886, advocates the research, development and promotion of anatomical sciences in their entirety. We are therefore looking forward to an intensive inter-disciplinary exchange, where we expect high-ranking speakers and approx. 350 participants.

The annual convention will open on September 22, 2020 at 05pm in Fritz-Pregl-Straße 3.

The social evening will take place on September 23, 2020 in Villa Blanka, one of the best tourism schools in the Tyrol.

Last but not least we invite You for networking and dinner lecture "Anatomy, Sports & Party", which will be held in Olympiaworld Innsbruck on September 24, 2020.

The Congress-Homepage is here: <https://www.115th-innsbruck.com/>

Topics:

- Cutting Edge Research in Anatomy in humans versus anatomy laboratory animals
- Cell Biology
- Neuroanatomy
- Macroscopic and Clinical Anatomy
- Developmental Biology and Embryology
- Teaching
- ISCCA Meeting

International Congress of Anatomists, India 15-16 October, 2020

On the occasion of World Anatomy Day (15 October 2020), Department of Anatomy, All India Institute of Medical Sciences, Jodhpur, India is organizing **International Congress of Anatomists-2020** at Jodhpur, India. This two days academic event (15 & 16 October 2020) to celebrate World Anatomy Day is being **supported by IFAA**. The congress has been planned with the aim of bringing together Anatomists from around the globe to present and debate the latest and best research on Anatomy. Activities have also been scheduled to promote and spread awareness about importance of Anatomy in Medical education.

Thanking You.

Dr Surajit Ghatak MS,MNAMS,FIMSA,FRSB

Professor & Head, Department of Anatomy, AIIMS Jodhpur, India
Dean Students' Welfare, AIIMS Jodhpur. India
Organizing Chairman, International Congress of Anatomists-2020



ICA 2020

Jodhpur | 15-16 October

Join us to celebrate **World Anatomy Day**
in the heritage city of **Jodhpur, INDIA**



INTERNATIONAL CONGRESS OF ANATOMISTS – 2020



Under the aegis of
ANATOMICAL SOCIETY OF INDIA (ASI)

Supported by :
International Federation of Associations of Anatomists (IFAA)

Organized by :
Department of Anatomy
All India Institute of Medical Sciences, Jodhpur, INDIA

15th-16th October 2020

Early Bird Registration
& Abstract Submission open

1st March 2020

End of Early Bird Registration
& Abstract Submission

31st May 2020

Guest Speakers



Professor Beverly Kinnear
University of the Witwatersrand,
Johannesburg, South Africa
President: International Federation of
Associations of Anatomists (IFAA)



Professor Clive Lee
Royal College of
Surgeons in Ireland,
Dublin, Ireland



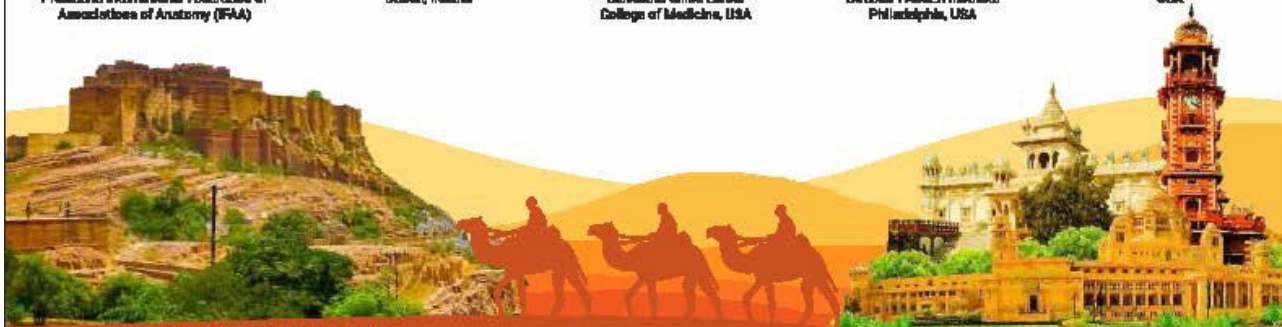
Dr. Michael L. Drake
Director of Anatomy
Professor of Surgery
Cleveland Clinic Lerner
College of Medicine, USA



Dr. Rashmi Vyas
Assistant Vice President,
Education, FAIMER
Director FAIMER Institute
Philadelphia, USA



Dr. Lisa MJ Lee
University of Colorado
School of Medicine
USA



Congress Secretariat:-

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SCAN ME

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[#ICA 2020](https://twitter.com/ICA_2020)

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Seeking a new Editor-in-Chief (2021-2026)

Applications due April 17, 2020

▶ anatomy.org/eic

