



PLEXUS

INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS

NEWSLETTER | ISSUE 1 2019

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WILL YOU BE THERE?

*The 19th Congress of the International
Federation of Associations of
Anatomists (IFAA 2019)*

**ExCel, London, UK
9-11 August 2019**

Registration and
abstract submission
opens:

1 October 2018

Early bird registration
and abstract
submission deadline:

22 April 2019



EDITORIAL

DEAR COLLEAGUES

Best wishes for a happy New Year. A highlight of 2019 will be the IFAA Congress in London, 9-11 August. I do hope that you will be able to join us at the Congress and take the opportunity to hear some of the latest advances in Anatomy and to network with colleagues across the world.

In this edition of Plexus, we bring you news from Anatomical Societies and Associations from Africa, America, Asia and Europe. Thank you to all those who have contributed articles it is great to hear from you!

This will be my last edition of Plexus as editor as my term will finish at the IFAA AGM in August. I would like to take this opportunity to thank my co-editor, Professor Nalini Pather, for all her support and work over the last 10 years. I would also like to wish the incoming editor, to be elected at the IFAA AGM, the very best for the future.

Best wishes

Helen

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NEWS FROM THE IFAA

NEWS FROM THE PRESIDENT



Greetings international anatomists!

I would like to wish all anatomists around the world a happy and health 2019!

2019 is an especially important year in the diary of anatomists. The **2019 IFAA Congress** in London will bring together international anatomists from around the globe to present their research, and debate topics such as ethics, teaching and the future of anatomy. Professor Ceri Davies and his organizing team have prepared a palette of topics that will satisfy all anatomists no matter in which sub-discipline of anatomy one is immersed.

Emergent anatomists should note that an important “President’s Emergent Anatomists Programme” (PEAP) will report back on the international survey undertaken in 2018 and will initiate support in research, teaching and professional development at the Congress. This is a Congress no anatomist should miss!

Looking back on 2018, the IFAA Executive continued their pledge to grow the work of the discipline:

- **Communication** with member Associations was increased through a variety of means such Plexus, messages from the Vice President to member Associations and direct individual mails from the President;
- Work by Federative International Committee on Ethics and the medical Humanities produced a thought-provoking **document on the public display of plastinated bodies** and a presentation for use by members on the provenance of bodies around the globe;
- The **structure and functions of the IFAA** in several languages (English, Spanish and Mandarin) were posted on the IFAA Website for use by individuals and Associations;
- The **Constitution** was updated in light of various items important to the functioning of the IFAA;
- **Twelve new associations** have become provisional members of the IFAA, the largest number of associations to join in recent years. A large number of these associations are from Africa, thus establishing contact with local anatomists and developing an IFAA footprint on this vast continent. The IFAA welcomes the following Associations:

Chinese Taipei Association of Anatomists

Anatomical Association of the former Yugoslav Republic of Macedonia

Association of Anatomists of Uruguay

Anatomical Society of Ethiopia

Colombian Society of Anatomy

Anatomical Society of Ghana

Anatomical Society of Uganda

Anatomical Association of Pakistan

Myanmar Anatomy Society

Belarusian Society of Morphologists

Anatomical Association of Sri Lanka

Ivorian Society of Morphology

In addition, the IFAA is pleased to announce the first application for membership **in 2019:**
The Society for Experimental and Clinical Anatomy of Nigeria.

Membership of all the new associations will be ratified by the General Assembly of the IFAA at the Congress of the IFAA in 2019.

- The working groups in Federative International Programme on Anatomical Terminology (**FIPAT**) continue to make progress while the IFAA deliberates on a new Chair, following the resignation of Professor John Fraher early in 2018;
- Important progress has been made in **core curriculum development** by the Federative International Programme on Anatomical Education;
- The **Federative International Committee on Equality and Diversity** has had discussions on a number of terms that require modification in the light of diversity and equality issues;
- The **IFAA survey of emergent anatomists** across the globe has achieved interesting results on the needs for career and professional development of our future anatomists.

The work of the IFAA Executive, while important, cannot grow without input from its member Associations. Please ensure that the delegate/s from your Association attend the General Assembly of the IFAA at the London Congress in August 2019 to renew our commitments to the discipline of anatomy and to debate the pathway of anatomy for the future.

I look forward to seeing you in London in August 2019!
With warm anatomical greetings!

Bev Kramer
President of the IFAA

PROCESS OF NOMINATION FOR POSITIONS ON THE IFAA EXECUTIVE BOARD

Every five years, according to its Constitution, the IFAA holds elections to fill vacant positions on the IFAA Executive Board. Outlined below is the process that is undertaken to fill such positions:

1. The Secretary General of the IFAA contacts all designated “Delegates” of Member Associations to elicit nominations for membership of the **IFAA Nominating Committee (NC) (±18 months prior to General Assembly [GA])**. The Nominating Committee is set up by the nomination of a representative from all **six continents** (not individual countries or Associations). The nominations are reviewed by the IFAA Executive Board and the final Committee is approved by the IFAA Executive Board (±15 months prior to GA). The **Nominating Committee** consists of the following members:
 - a Chair (either the President of the IFAA or the Past-President, dependent on whether the President’s position is up for re-election)
 - a Secretary
 - one representative from each of the following continents: Asia, Europe, North America, South America, Oceania. These are individuals who will act on behalf of a “continent” and not on behalf of an Association.
2. Nominations are then requested by the Secretary/Chair of the NC from the members of the Nominating Committee. These nominations must be made from both **internal** and **external** regions of the NC member’s continent of origin (~12 months prior to GA). This is to provide an international, non-partisan panel of nominees.
3. The Secretary General will **simultaneously** request nominations from all Member Associations of the IFAA through their official “Delegates”. The Secretary General will request nominations both **internal** and **external** to the Member Association’s own Association. In addition, the Secretary General **requests biographical information on nominees from the Member Associations to allow for background information with which the NC can screen all nominees**. The latter is essential for a well-informed election of officers of the IFAA nomination process. A template for nominations is available. **It is also important that Member Associations understand that the nominations of “their” member who is on the NC, is totally independent of the Member Association and is not nominating on their behalf.**
4. The consolidated list of nominations (i.e. NC nominations and Member Association nominations combined) is then sent to the NC for scoring (~ 10-12 months prior to GA). The NC is requested to be non-partisan and to be as inclusive of widespread representation of international anatomists, in their voting.
5. Following receipt of the scores of the members of the NC, the consolidated scoring list is then circulated to members of the NC for checking, information and transparency.
6. The final list of nominees for election consists of the two highest scorers in each category plus a reserve. The reserve is the next highest scorer in each category.
7. The two nominees who have received the highest scores in their category, are then contacted to advise them of their nomination (~9 months prior to GA). Each nominee is asked whether they will accept nomination. In the case where a nominee does not accept nomination, the reserve nominee for that category is then contacted.
8. On acceptance of nomination, each nominee is requested to produce a summary curriculum vitae and a manifesto. A copy of the **IFAA portfolio descriptions (addendum to Constitution)** should be sent to each nominee to illustrate the requirement of the position for which the nominee has received nomination.
9. The curricula vitae and manifestos are then placed before the IFAA Executive Board for discussion (last face-to-face meeting of Exec prior to GA) for discussion.
10. The Secretary General sends out the list of nominees plus CVs and manifestos to the delegates of the Member Associations at least 6 months prior to the General Assembly.
11. Voting takes place at the General Assembly of the IFAA Congress in the 5th year of a cycle. Voting is carried out by the designated “delegate” of each Member Association.

GUIDELINES FOR ACCEPTING ADVERTISING IN PLEXUS OR OTHER IFAA COMMUNICATIONS

The **vision** of the IFAA is to generate vibrant scientific exchange and development between its member Associations in all areas of the anatomical sciences.

Our **mission** is to seek to encourage the growth of teaching and research in all fields of anatomy, maintain high standards and ethical values in the use of human bodies for teaching and research, and develop policies in support of the discipline of anatomy.

Requests for advertising will only be considered if the products of the company or organisation align with the vision and mission of the IFAA.

ADVERTISING GUIDELINES

The following guidelines outline IFAA's goals, guiding principles, key considerations/criteria and procedures that are to be applied when considering new, or renewing existing, advertising opportunities.

Goals

The IFAA will only pursue advertising opportunities that clearly meet the following goals, which are to:

- Further the development, and to promote progress of all anatomical or biomorphological sciences.
- Encourage and increase scientific, technological, educational and administrative exchanges among anatomists worldwide.
- Provide general guidelines for educational, technological and scientific purposes and for issues of general interest to anatomical sciences.
- Coordinate and support the preparation, revision and publication of documents on the terminology of the anatomical sciences and biomorphology.
- Stimulate friendship and cooperation among members of associations of anatomists.
- Promote international scientific congresses, symposia and other meetings of anatomical and morphological

Guiding Principles

We will accept advertising opportunities that show a good fit between the IFAA's and the advertiser's values.

We look for opportunities that have a logical rationale for advertising with the IFAA and meet at least one of the IFAA's goals.

Organisations and/or activities which **will not be considered** by the IFAA include those that:

- may be construed as discriminatory in any way
- could be detrimental to public health or safety
- may present a reputation risk
- do not meet the goals of the IFAA

Key Considerations/Criteria

The following questions are indicative of those key considerations/criteria the IFAA considers when reviewing and evaluating advertising proposals:

- How well does this organisation or activity align with the IFAA's vision, mission and goals?
- How long has the organisation been in operation? What is its history and long-term goals?
- Is the activity a once-off or annual?
- Does the proposed advertisement complement or compete with any existing advertising agreements?
- How will the funds generated by advertising be used?

A pricing schedule for full or half page advertising to be developed in consultation with the IFAA Treasurer and reviewed annually by the Executive Committee of the IFAA.

Helen Nicholson
Editor, Plexus

DEVELOPING AND IMPLEMENTING BODY DONATION PROGRAMMES



Why have body donation programmes?

- Acknowledges personal autonomy of the deceased
- Respects the dignity of the human body
- Fosters trust of local communities
 - no discrimination against poor / vulnerable subjects*
- Moves away from use of unclaimed bodies, and towards 'better ethical practice'

**as is often the case with unclaimed bodies (See Jones DG, Whitaker MI. 2012. Anatomy's use of unclaimed bodies: reasons against continued dependence on an ethically dubious practice. Clin Anat 25:246-254. doi:10.1002/ca.21223)*

2012 Recommendations of the IFAA*

- Informed consent from donors
- No commercialisation of the dead body
- Legal framework and institutional oversight
- Transparency between institution and donors
- Respectful treatment, no morbid curiosity
- Thanksgiving services (if applicable)

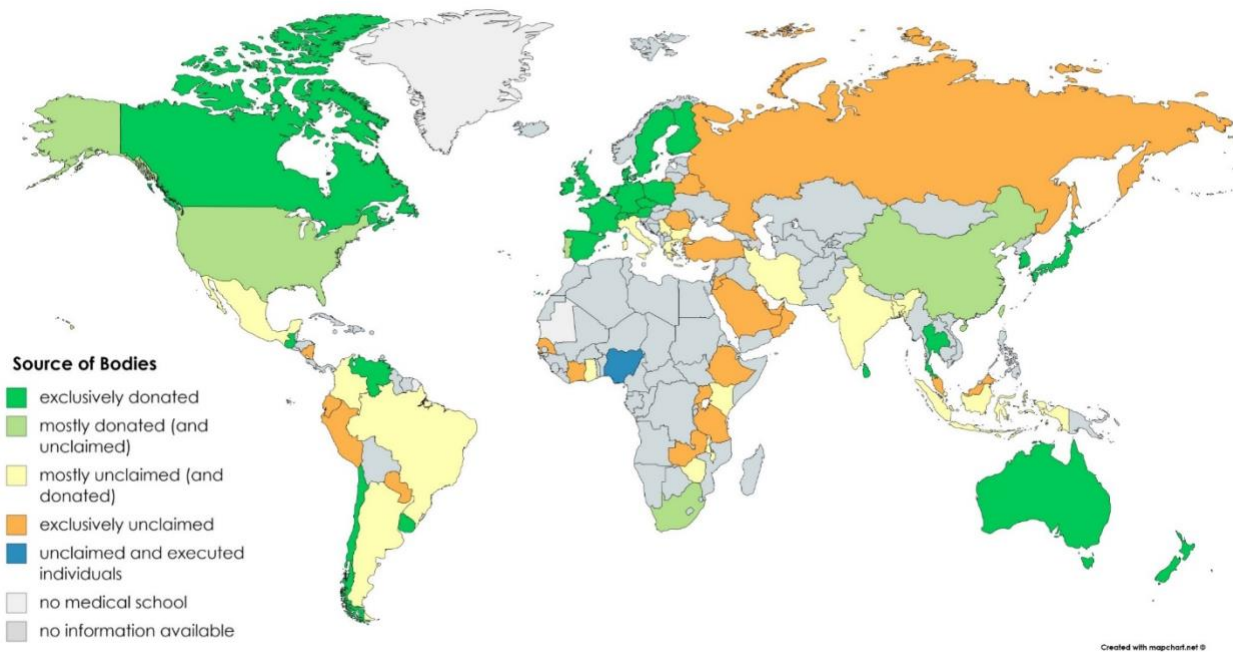
**Recommendations of Good Practice for the Donation and Study of Human Bodies and Tissues for Anatomical Examination (See <http://www.ifaa.net/wp-content/uploads/2017/09/IFAA-guidelines-220811.pdf>)*

Global situation 2018

Gangata et al.* suggest five steps towards body donation:

1. Get support from other anatomy departments in your country
2. Get support from religious and community leaders
3. Seek legal advice
4. Look for a prominent person related to health care to publicly support a campaign
5. Advertise to the public via diverse media channels

** Gangata H et al. 2010. The reliance on unclaimed cadavers for anatomical teaching by medical schools in Africa. Anat Sci Educ 3:174-183.*



Updated from: Habicht JL, Kiessling C, Winkelmann A: Bodies for Anatomical Education in Medical Schools: An Overview of the Sources of Cadavers Worldwide. Acad Med (in press) <https://doi.org/10.1097/ACM.0000000000002227>.

For further information contact:

FICEM

Federative International Committee on Ethics and Medical Humanities of IFAA

See <http://ifaa.net>

Andreas Winkelmann (chair)

andreas.winkelmann@mhb-fontane.de

<http://www.ifaa.net/committees/ethics-and-medical-humanities-ficem/>

Members of FICEM

Prof. Thomas H. Champney, USA

Dr. Jon Cornwall, New Zealand

Prof. Sabine Hildebrandt, USA

Prof. Amadi O. Ihunwo, South Africa

Prof. Gareth Jones, New Zealand

Prof. Diogo Pais, Portugal

Prof. Sergio Tamayo, Argentina

Prof. Guo-Fang Tseng, Taiwan

Prof. Andreas Winkelmann (Chair), Germany

19TH IFAA CONGRESS 2019

THE 19TH CONGRESS OF INTERNATIONAL FEDERATION OF THE ASSOCIATIONS OF ANATOMISTS

9 – 11th August 2019, ExCeL Conference Centre, London, UK.

www.ifaa2019.com @IFAA2019 #IFAA2019

Registration and abstract submission are now open!

Early bird registration and abstract submission deadline: **22 April 2019**



DEAR COLLEAGUE,

The Anatomical Society is thrilled to be hosting the 19th IFAA Congress, taking place 9-11 August 2019.

PLENARY SESSIONS ANNOUNCED!

We are excited to announce an excellent line up of internationally renowned plenary speakers. More information on the speakers and their lectures has been published on the website. Please [click here](#) to view.

Keep your eye on the website for further programme announcements.

WHY ATTEND IFAA 2019:

The International Federation of Associations of Anatomists (IFAA), which was established in 1903, is the federated body bringing together Associations of Anatomy and Anatomists from around the world. Following the successful 18th IFAA Congress in Beijing, the 19th IFAA Congress, will take place at the purpose built ExCel Conference Centre in London's docklands from the 9th to the 11th August 2019, proudly hosted by the Anatomical Society. This international conference is

expected to feature more than 1,500 delegates from around the world. The conference will be held across three days, each of which will include 2 plenary speaker sessions, at least eight symposia and a poster session. The conference programme will feature an excellent line up of internationally renowned plenary speakers, in addition to a range of symposia that span the breadth of activities in the anatomical sciences. These will include symposia on human and animal morphology, clinical and developmental anatomy, neuroscience, tissue engineering education and art in anatomy to name but a few. We particularly encourage early-career anatomists to participate in IFAA2019 to present their work, meet their international peers and experience one of the most iconic cities in the world.

We look forward to welcoming you all to London.

D. Ceri Davies, Tracey Wilkinson, Simon Parson, Gerard O'Keeffe
on behalf of the Organising Committee of the 19th IFAA Congress 2019

EXTENSIVE SCIENTIFIC PROGRAMME – The congress offers a stimulating and varied programme including prominent plenary speakers and a range of symposia that span the breadth of activities in the anatomical sciences. These will include symposia on human and animal morphology, clinical and developmental anatomy, neuroscience, tissue engineering education and art in anatomy to name but a few. The conference centre can accommodate a number of parallel sessions so participants will be able to tailor their programme and attend the sessions that interests them most.

PRESENT YOUR WORK – Have the chance to present your research as a short talk or poster and be published in the renowned Journal of Anatomy, as well as listening to the latest research from around the world. Make sure to submit your abstract before the submission deadline on the 22 April 2019.

NETWORKING OPPORTUNITIES – This international congress will gather anatomists from around the world to debate and generate vibrant discussion on anatomical research, teaching and many other matters of importance to our discipline. Make sure to be a part of the conversation. We particularly encourage early-career anatomists to participate in IFAA2019 to present their work, meet their international peers whilst being in one of the most iconic cities in the world.

EXHIBITION – Visit the exhibition for the chance to interact with companies demonstrating the latest developments in the industry.

BOOK YOUR PLACE NOW!

For more information and to register for IFAA 2019, please [click here](#).

Take advantage of the Early Bird rates, available until 22nd April 2019 at 23:59 (GMT).

If you have any questions or require any assistance, please do not hesitate to contact a member of the IFAA Congress Team.

Kind Regards,

The IFAA Congress Team

Email: ifaa2019@tfigroup.com

Phone: +44 207 808 5652

Keep an eye on our Twitter account [@IFAA2019](https://twitter.com/IFAA2019) for up to date information about the Congress and make sure to join in the conversation using [#IFAA2019](https://twitter.com/IFAA2019).

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**MESSAGE FROM THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS (IFAA):
PROFESSOR BEVERLEY KRAMER**

The IFAA Executive and its Member Associations look forward with great enthusiasm to the **2019 IFAA Congress**, to be held in **London in August 2019**. The Congress will be hosted by the Anatomical Society that has been hard at work under the direction of Professor Ceri Davies, President of the Congress and Chairman of the Organising Committee.

This Congress of the IFAA will gather anatomists from the furthest reaches of the world to debate and generate vibrant scientific discussion on anatomical research, teaching and many other matters of importance to our discipline.

In addition, this Congress will host the **General Assembly of the IFAA**, at which representatives from all Member Associations will meet to vote for members of the Executive Board of the IFAA and determine its policies for the future.

With the exciting scientific programme that has been planned, this is a Congress not to be missed. Emergent/young anatomists are urged to attend – you are our future. We would be delighted to include you in our deliberations and developments.

I look forward to seeing you at the London 2019 IFAA Congress!

Beverley Kramer

President: International Federation of Associations of Anatomy
Emetius Professor, Wits University, South Africa

MESSAGE FROM THE IFAA 2019 CONGRESS PRESIDENT: PROFESSOR CERI DAVIES

On behalf of the Anatomical Society, it is with great pleasure that I invite you to participate in the 19th IFAA Congress in London, from the 9th – 11th August 2019. The Anatomical Society has previously hosted the 5th Congress in Oxford in 1950 and the 12th Congress in London in 1985 and in its 132nd year, the Anatomical Society will again be delighted to welcome the 19th IFAA Congress to London.

The Congress will be held in a purpose-built conference centre in a redeveloped region of London's docklands that has excellent, fast public transport links to the rest of the city. The Congress Scientific Programme will reflect the considerable breadth of interests of the discipline of Anatomy. The conference centre allows a number of parallel sessions and therefore, participants will be able to choose to attend the sessions that interest them most and there will be the opportunity for a large proportion of participants to give oral presentations of their work. Accepted Abstracts will be published in the Journal of Anatomy.

In addition to the Scientific Programme, I hope that the meeting will provide a forum for participants to engage socially with colleagues from around the globe and enjoy the many things that London has to offer. London is probably the most cosmopolitan city in the world. Its airports receive flights from over 300 destinations daily and over 230 languages are spoken in the city. It has a long medical and scientific history, 850 museums and galleries, 150 theatres and restaurants serving food from the entire world. As Samuel Johnson said: 'When a man is tired of London he is tired of life'. If you can stay longer than the Congress, London is also an excellent base from which to explore other parts of the United Kingdom and Ireland.

I look forward to welcoming you to the 19th IFAA Congress in London in 2019.

D. Ceri Davies

President of the 19th IFAA Congress

Professor of Anatomy,
Imperial College London

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**

Registration and
abstract submission
opens:

1 October 2018

Early bird registration
and abstract
submission deadline:

22 April 2019

For more information contact the Congress Secretariat
Email: ifaa2019@tfigroup.com / www.ifaa2019.com

 **#IFAA2019**

Call for participation in open anatomical atlas by open education consortium

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Wouldn't it be great if all anatomy teachers worldwide had a collection of high quality anatomical images freely available without copyright barriers? To use in teaching, to build upon in new teaching materials, and to have at hand any time and any place when a student asks something, etc...

A fantastic opportunity occurs now for the anatomical world to achieve this: the Head of the international [Open Educational Consortium](#), Paul Stacey, has selected the idea of an **Open Anatomical Atlas** as one of three initiatives he wants to support to become a global project. The idea is to create a large collection of open, freely available (under Creative Commons license), anatomical images at multiple complexity levels, in a collaborative effort of multiple anatomical departments worldwide.

The Open Educational Consortium is the worldwide organization of educational institutions and organizations that are committed to open education.

Paul Stacey calls to express interest in this initiative via an online form: <https://conference.oecconsortium.org/2018/project-ideas-resulting-from-oeglobal18/>.

Do you think this is a good idea? Then express your interest now!

Please spread this message widely amongst anatomists and other people who might be interested!

Paul Gobée, MD
Department of Anatomy & Embryology
Leiden University Medical Center
The Netherlands

NEWS FROM THE ANATOMY COMMUNITY

INTERNATIONAL CLINICAL AND APPLIED ANATOMY SYMPOSIUM



The **10th International Clinical and Applied Anatomy Symposium (ISCAA 2018)** was held on September 13-16, 2018, at the site of the Department of Operative Surgery and Topographic Anatomy of the Medical Faculty of Sechenov University. The official language of this event was English. More than 200 participants from 23 countries, both near and far abroad, participated.

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The symposium participants included representatives from Austria, Bahrain, Hungary, Germany, Greece, India, Iraq, Spain, Italy, Latvia, Macedonia, Malaysia, Moldova, Portugal, Serbia, Slovakia, USA, Turkey, Croatia, Czech Republic, South Korea, and Japan.

The last time such a representative scientific anatomical forum was held in Russia was about half a century ago - D.A. Zhdanov 1970 in Leningrad organized and held the IX International Congress of Anatomists.

On September 12, 2018, within the framework of ISCAA 2018, based at the Central Union Hospital of the Russian Federation, with the support of "Bard company", a workshop on the topic "Live Surgery" was held. This aroused great interest among the participants. Professor A. Protasov performed the operation "Plastics of an inguinal hernia in Liechtenstein" which was broadcast online. Professor N. Matveyev followed a presentation on "Actual issues of modern hernioplasty", with a demonstration on the stages of the operation "Laparoscopic inguinal hernioplasty" which was also broadcast online.



A similar workshop at ISCAA was held for the first-time last year in Innsbruck. It is gratifying that clinical workshops within the framework of the symposium is becoming a good tradition and we hope that it will be continued at ISCAA 2019 in Madrid.

The ceremonial opening took place on September 13, 2018 and began with a minute of silence in memory to Prof. L. Kolesnikov, academician of the Russian Academy of Sciences and the symposium's President who left us in August. By the last will of the deceased, the song of F. Sinatra "My Way" was played in memory.

In his welcoming speech, the Dean of the Medical Faculty, Professor Kinkulkina M.A., conveyed congratulations to the participants from the honorary president of the symposium of the Rector of the Sechenov University Academician of the Russian Academy of Sciences Professor P.V. Glybochko and wished a success to the event.

The Head of the Department of Operative Surgery and Topographic Anatomy, Professor Dydykin S.S., in his report told the participants of the symposium about the 260-year history of the I.M. Sechenov First Moscow State Medical University (Sechenov University), about his best scientists, doctors and teachers. Dydykin S.S. also briefly highlighted the 150-year history of the Department of Operative Surgery and Topographic Anatomy of Sechenov University. Speaking next at the opening ceremony of the symposium, the oldest clinical anatomist Professor Kagan I.I. (Orenburg) reported about trends in the development of clinical anatomy in the twenty-first century. The clinical anatomists were greatly interested in the presentation of the clinical surgeon-proctologist Professor Tsar'kov P.V., who spoke about the differences in the approach of anatomists and clinical proctologists to the anatomical rationale for surgical interventions in colorectal surgery. The lecture of Professor Tsar'kova P.V. received high global recognition of all those present at the symposium of clinical anatomists. The opening ceremony of the symposium was completed by a lecture by Professor Friedrich Paulsen (Germany) on the trends in teaching anatomy and histology, in the present and in the future.

The opening of the symposium ended with a welcome buffet in the courtyard of the department, among flower beds, in a large tent, in the center of which stood a Russian samovar (heated metal container traditionally used to heat and boil water in Russia) made by ice.

As part of the Symposium, the participants were given a great opportunity to share their knowledge with a wide audience of anatomists, surgeons, specialists from other clinical specialties and basic medical sciences, as well as young scientists and students.

The main purpose of the Symposium is to expand and strengthen scientific cooperation and interaction between specialists in the field of clinical and applied anatomy and surgery, as well as improving the status and public recognition of human anatomy as a fundamental medical science and its importance for medical education and health care.



The key scientific topics of this event were: clinical and applied anatomy, general surgery, plastic surgery, neurosurgery, traumatology and orthopedic surgery, new technologies in anatomy and surgery, tissue engineering and regenerative medicine, the teaching of morphological sciences. The Symposium program included lectures, oral and poster presentations in all areas of clinical and applied anatomy.

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During the three working days of the symposium, the participants were able to get acquainted with a broad scientific program, which included 18 lectures, 82 reports, take part in poster sections that showed more than 100 posters, and also spend time on excursions and walks in hospitable Moscow and ride the steamer on the nightly Moscow River during the final gala dinner. All participants noted that a youth section was created in the symposium, in which young scientists and students could fully participate.

The greatest interest was aroused by lectures marked by honorary diplomas of the symposium. Their owners were a team of colleagues from Austria, who presented a fundamental study on the topic: "Nervus cutaneus femoris posterior: a nerve with full of surprises!" (Speaker Georg Feigl), as well as (speaker Rene Fortelny), who demonstrated the close cooperation of clinical anatomists and practical surgeons of the Austrian University. Lecture of the professor from Malaysia Kapitonova M.Yu. on the topic "Problem-based learning?" aroused admiration not only among clinical anatomists, but also doctors of other practical specialties. The study of Russian surgeon-oncologist Tsarkova P.V. on the topic: "Discrepancy or misunderstanding of" "Gross Anatomy" "and in vivo anatomy in colorectal cancer surgery, which caused a heated debate.



The best reports were also awarded with honorary diplomas:

1. "Liver and Stomach Collateral Blood Supply after Distal Pancreatectomy with Celiac Artery Resection. IO US and ICG Gastroscopy are More Useful Tools Than Preop Common Hepatic Artery Occlusion: Experience of 115 CHA clamping and 26 DP CARS. Egorov V. I. (Bakhrushin Brothers Moscow City Hospital, Russia)";

2. "Result of Early Diagnosis of Carpal Syndrome in Dentists. Yuriy Vasiliev (Sechenov University, Russia);
3. "Transgenic mice model of Alzheimer's disease: early changes in the neurogenesis in the subgranular zone of the hippocampus. Nela Puskas (Institute of Histology and Embryology "Aleksandar Đ. Kostić", School of Medicine, University of Belgrade, Serbia)";
4. "Clinical-Anatomic Mapping of the Tarsal Tunnel With Regard to Baxter's Neuropathy in Recalcitrant Heel Pain Syndrome – Part I. Simone Moroni (Catholic University Saint Vincent Martyr. Valencia, Spain)";
5. "Study of Myocardial Remodeling Markers with Experimental Histotoxic Hypoxia. Zadnipyany I.V., Sataeva T.P. (V.I. Vernadsky Crimean Federal University, Russia);
6. "Experimental Study of the Hemostatic and Anti-Adhesive Properties of Mesogel in the Conditions of Blood and Bile Leakage in Liver Injuries. Soldatova D.S. (Kursk State Medical University, Russia)"; "Teaching of Anatomy in the Digital Era. Where do we stand? Furtado I.A. (University of Lisbon, Portugal)";
8. "Anatomic Landmarks for Safe Mediastinal Endovideosurgical Navigation. Khorobrykh T.V. (Sechenov University, Russia)"
9. "Ultrasound-Guided Ankle Decompression Surgery (UGADS)-a Minimally Invasive Approach for the Proximal Tarsal Tunnel Syndrome: a Cadaveric Study. Alejandro Fernández-Gibello (University of La Salle, Spain)"
10. "Using of Osteoplastic Materials in Reconstruction of Jaw Bones during Treatment Patients with Defects of Different Etiology. Diachkova E. (Sechenov University, Russia)"

It is noteworthy that many of the speakers were novice anatomical teachers or surgeons who came with their mentors and supervisors. They were so imbued with the presented problem that they could not leave indifferent any listener.

Among young researchers, the best reports were:

1. "Animal Model of Upper-Airway Injury and Stenosis Treatment. Piskunova N. (Sechenov University, Russia)";
2. "Endoscopic Mucosal Resection of Metastatic Gastric Malignant Melanoma. Bokova E.O. (Sechenov University, Russia), Kudryavitsky E.E. (V.M. Buyanov City Clinical Hospital, Russia)";
3. "Preventive Embolization of Uterine Arteries as a Method of Controlling Massive Obstetric Hemorrhages. Berbenyuk A. P. (Sechenov University, Russia)".

The jury recognized as the best posters next:

1. Anatomico-histological study of contents of canals of the mental spine. Kytko O.V., Vasil'ev Yu.L., Saleeva G.T., Kuzin A.N. (Sechenov University, Russia)

2. Experimental Substantiation of Modeling of Abscesses of various localizations. Alipov V.V., Andreev D.A., Avanesyan G.A., Musaelyan A.G., Alipov A.I. (Saratov Medical University, Russia)
3. Anatomical study of the superior hypogastric plexus for the nerve-sparing surgical procedures in female pelvis. Hankyu Kim, Yong Seok Nam, Yi-Suk Kim. (Republic Korea)

Russian scientists in a tense struggle won half of the honorary diplomas of the symposium, presenting bright, well-prepared and decorated, lectures and speeches. Confirmation of the leading position of Sechenov University among the medical schools of Russia is that among the 17 participants of the symposium who were awarded honorary diplomas – 6 are its representatives.

Abstracts that have been selected by the Symposium Program Committee are printed in a special issue of the Morphology journal.

Its 150th anniversary is the department of operative surgery and topographic anatomy in the year of the 260th anniversary of the First Moscow State Medical University. IM Sechenov (Sechenov University) meets the full of young creative forces and energy. Sechenov University has established itself in the international community of clinical anatomists as a reliable partner, conducting its research and teaching activities at a high global level.



BOOK NEWS

STEREOTACTIC BRAIN MICROANATOMY: MATHEMATICAL PRINCIPLES AND APPLICATIONS

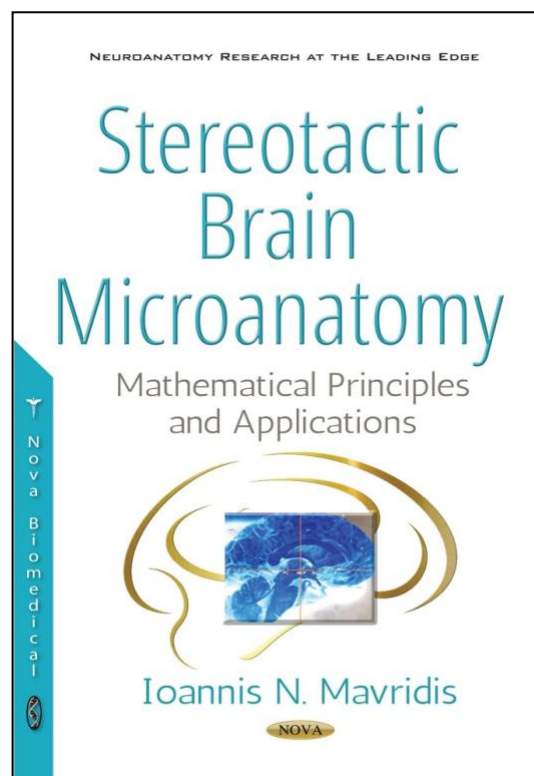
Author: Ioannis N. Mavridis

Imagine the use of mathematical formulas for brain targeting in neurosurgery. Research results of the 21st century have brought about the beginning of stereotactic anatomy evolution into stereotactic microanatomy, which is primarily based on applied mathematics. The purpose of this book is to present the mathematical principles and applications of stereotactic brain microanatomy in a concise and comprehensive manner. The robust mathematical principles of stereotactic microanatomy of the human brain are explained in detail, as well as its main clinically significant applications to modern stereotactic and functional neurosurgery. Stereotactic space of the human brain is defined in terms of its appropriate mathematical basis, where the principles of analytic geometry are strictly followed. Rigid adherence to these principles can further enable the safe application of mathematical formulas to the processing and use of stereotactic microanatomy data in clinical practice. Additionally, the concept of stereotactically standard brain areas is thoroughly explained, thus opening new horizons for the application of stereotactic microanatomy to highly accurate brain targeting, which is mainly useful for minimally invasive neurosurgical procedures, such as deep brain stimulation. Stereotactic microanatomy aims to guide stereotactic neurosurgical interventions in the best possible way, providing a solid mathematical basis for a safe and respective evolution of stereotactic neurosurgery into stereotactic microneurosurgery.

ISBN 978-1-53612-366-1 ISBN 978-1-53612-380-7 (eBook)

Contact details for ordering the book via Nova Science Publishers:

http://www.novapublishers.com/catalog/product_info.php?products_id=62828&osCsid=3ae5d9e1e9784511b8ac958cd711d07b



Ioannis N. Mavridis,

'C.N.S. Alliance' Research Group, Athens, Greece.

Member of the EACA and AACA

MEMORY BOOSTER OF REGIONAL ANATOMY

Author: Min Suk Chung, Beom Sun Chung

Free regional anatomy book, full of mnemonics and schematics!

So as to facilitate memorization of anatomy, a book entitled “**Memory Booster of Regional Anatomy**” has been elaborated. The PDF file of the book is being distributed for free from anatomy.co.kr.

This English book has following features. First, the book deals with regional anatomy to directly assist students who dissect cadavers. Second, the book has only 226 pages and contains minimized anatomy structures that can be identified by routine dissection. Third, numerous mnemonics are included to help students survive from their examinations (Fig. 1).

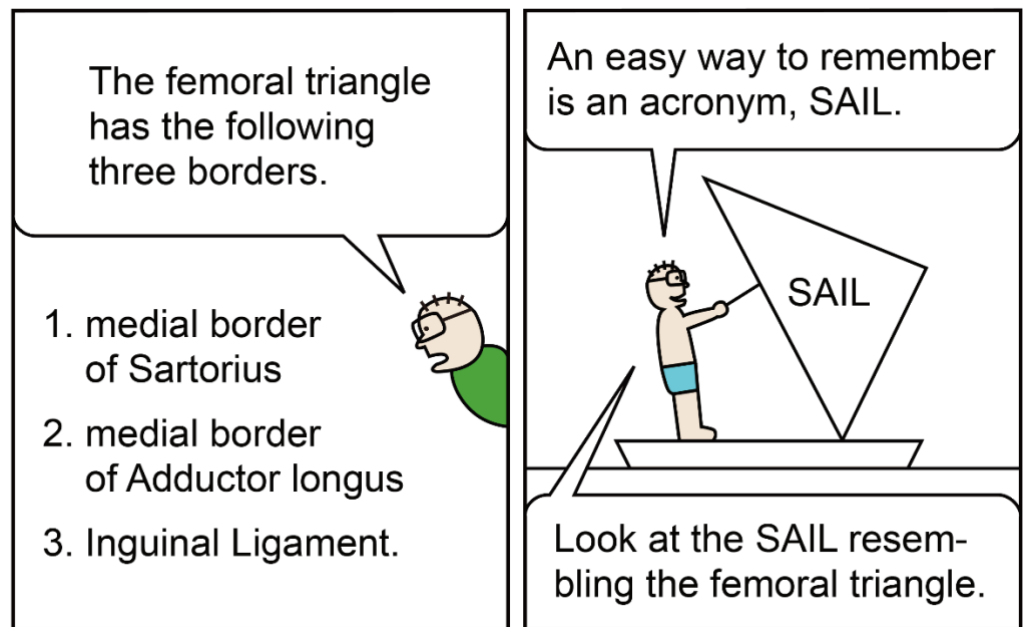


FIG. 1. ANATOMY COMICS INTRODUCING MNEMONICS ABOUT THE FEMORAL TRIANGLE

Fourth, complicated anatomical structures were drawn in schematic figures, which are replicable by students. Fifth, the book contains anatomy comics to relieve the readers (Fig. 2).

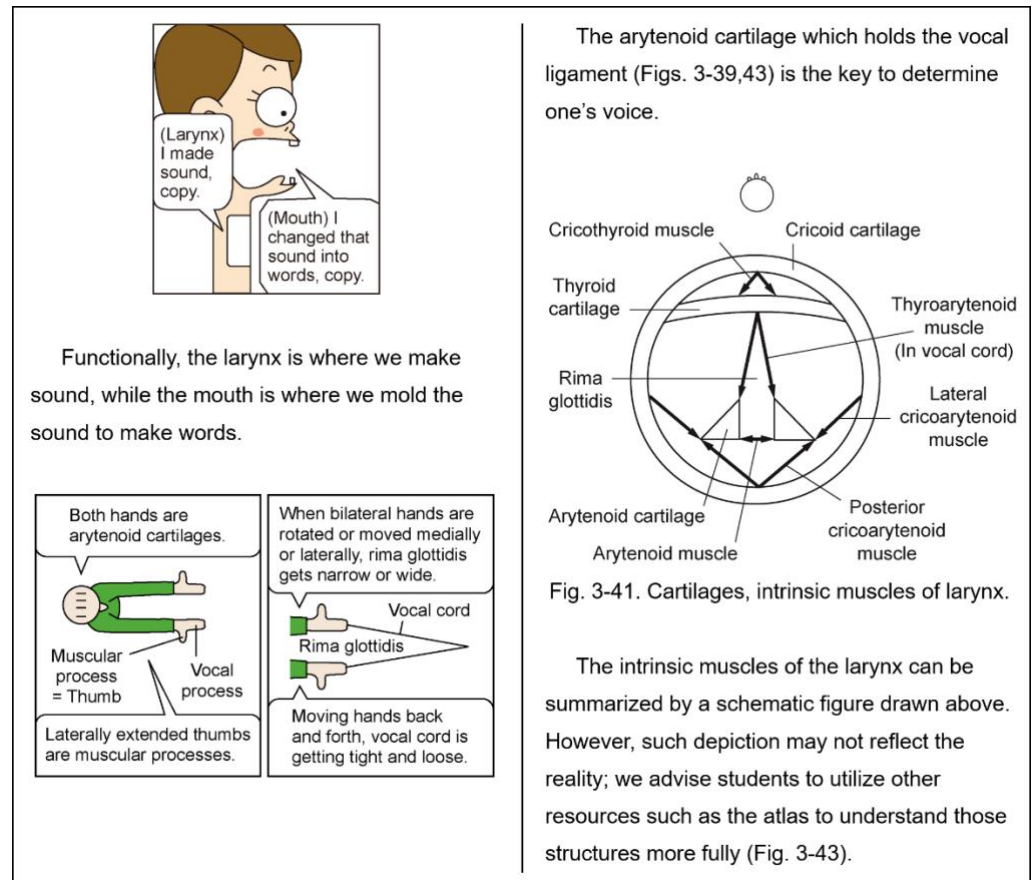


FIG. 2. A SECTION FROM THE BOOK “MEMORY BOOSTER OF REGIONAL ANATOMY” EXPLAINING THE LARYNX

Last, the PDF file of the book can be utilized in various ways: It can be printed to obtain a paper book. Anatomical terms can be conveniently searched. The figures and writings can be inserted to lecture slides. Hopefully, “Memory Booster of Regional Anatomy” will serve as an actually helpful resource to students learning anatomy.

Min Suk Chung, Beom San Chung
Department of Anatomy,
Ajou University School of Medicine,
Suwon, South Korea

NEWS FROM THE

AMERICAN ASSOCIATION OF ANATOMISTS (AAA)

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Congratulations to our 2019 award, grant, and scholarship recipients!*

Henry Gray Scientific Achievement Award

Joan Richtsmeier, PhD
Pennsylvania State University

A.J. Ladman Exemplary Service Award

Judith Venuti, PhD
Oakland University William Beaumont School of Medicine

Henry Gray Distinguished Educator Award

Anne Agur, PhD
University of Toronto (CAN)

Basmajian Award

Adam Taylor, PhD
Lancaster Medical School (UK)

Fellows Grant Award Program

Greg Vanden Heuvel, PhD
Western Michigan University Homer Stryker MD School of Medicine

Education Research Scholarship

Margene Anderson
University of Wisconsin, Madison

Innovations Program

Rachel Menegaz, PhD
for Summer Opportunities in Anatomy Research (SOAR) Program
University of North Texas Health Science Center

Postdoctoral Fellowships

Christopher Mayerl, PhD, NEOMED
Karyn Jourdeuil, PhD, University of Maryland, College Park
Marta Losa Llabata, PhD, University of California San Francisco

Early-Career Investigator Awards

R.R. Bensley Award in Cell Biology

Kevin Cheung, MD
Fred Hutchinson Cancer Research Center

Morphological Sciences Award

Paul Gignac, PhD
Oklahoma State University Center for Health Science

H.W. Mossman Award in Developmental Biology

Maria Lehtinen, PhD
Boston Children's Hospital

C.J. Herrick Award in Neuroanatomy

Stephan Lammel, PhD
University of California, Berkeley

For More Information: www.anatomy.org/awards-program



* as of January 15, 2019

BREAKING NEWS

American Association of Anatomists to Change Name, Install New Board Members *Members cast historic vote to position association as the voice for anatomical science*

ROCKVILLE, MD—The 2,100-member American Association of Anatomists (AAA) is getting a new name, approved by members in the organization's annual board election.

Founded in 1888 by paleontologist Joseph Leidy as the Association of American Anatomists, the organization has been known by its current name since 1908. Now, AAA members have voted to change the organization's name for only the second time in its 130-year history. The scientific society will become known as the **American Association for Anatomy**.

"AAA supports and promotes all aspects of anatomical sciences in education and scientific research. It's important that our identity reflect that," said AAA President Phil Brauer, Ph.D., Chair of Anatomy at Kansas City University of Medicine and Biosciences. "Our goal is to prepare the association for a strong, vibrant, and inclusive future. The new name helps us to emphasize the discipline rather than the profession and encourages scientists, educators, students, and the public to recognize anatomy as a foundational science."

AAA Executive Director Shawn E. Boynes, FASAE, CAE, added, "In 2017, the board began laying the groundwork for changing the association's name when they developed and approved an ambitious strategic plan with specific goals to focus more externally and to address diversity and inclusion in membership. Association leadership and staff are thrilled to open our doors to, and be the voice of, more people studying, teaching, and researching anatomy."

AAA has engaged Gavilan & Associates and GRAPHEK Design Studio to research and conceptualize the association's new identity.

Along with the name change, members chose their newest volunteer leaders. Five newly-elected officers will be installed to AAA's 14-member board at its annual meeting in April in Orlando. They are:

- **Valerie DeLeon, Ph.D.**, Associate Professor of Anthropology at the University of Florida. Dr. DeLeon has served on AAA's Board of Directors since 2014 and will become President-Elect for a two-year term, 2019-2021. She has also served on AAA's Program Committee, Strategic Planning Committee, and Advisory Committee for Young Anatomists.
- **Bryon Grove, Ph.D.**, Associate Professor of Biomedical Sciences at the University of North Dakota School of Medicine and Health Sciences. As the association's incoming Treasurer, Dr. Grove will serve a four-year term, 2019-2023. He has served on AAA's Journal Trust Fund Investment Committee and Finance Committee since 2015.
- **Julia Boughner, Ph.D.**, Associate Professor of Anatomy, Physiology, and Pharmacology at the University of Saskatchewan, Canada. Dr. Boughner is a AAA Innovations Program Award recipient and will serve a three-year term as Director, 2019-2022.
- **Maria Serrat, Ph.D.**, Associate Professor of Biomedical Sciences and Clinical and Translational Sciences and Clinical Associate Professor of Orthopaedics at the Marshall University Joan C. Edwards School of Medicine. Dr. Serrat will serve a three-year term as Director, 2019-2022. She is a past recipient of AAA's Young Faculty Presentation Award and Basmajian Award, as well as a AAA Postdoctoral Fellowship.
- **Diana Rigueur, Ph.D.**, Postdoc Scholar/Research Associate at the Center for Craniofacial Molecular Biology, University of Southern California. Dr. Rigueur was a first-place postdoctoral poster winner at Experimental Biology 2018 and will serve a three-year term as Student/Postdoc Director, 2019-2022.

About AAA: The American Association of Anatomists serves as the professional home for an international community of biomedical researchers and educators focusing on the structural foundation of health and disease. AAA advances anatomical science through research, education, and professional development. Learn more at anatomy.org.

SCIENCE HAS A COMMUNICATION PROBLEM – TOGETHER ANATOMISTS CAN SOLVE IT.

Scientific knowledge has expanded dramatically in the 21st century. As fields have become more complex, some Americans have given up trying to understand what we do, leading to science illiteracy. Although scientists have reached consensus on many issues, such as climate change accelerated by humans, and evolution, the public and elected officials have not always accepted this consensus. Recent survey research from the Pew Center indicates that there is a wide gap between scientists' and the public's perception of how science is used to inform government policy [1]. In the same survey, 84% of the scientists who responded said that limited public knowledge about science was a "major problem" [1]. To that end, twice in the last several years [2, 3], the National Academy of Sciences has published special editions of their proceedings on "The Science of Science Communication," and in 2017 published a foundational report entitled "Communicating Science Effectively: A Research Agenda" [4]. Clearly, we are not being clear enough!

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The internet and social media provide powerful tools to communicate and advocate for science, and indeed many non-scientists are actively communicating about science, often with conclusions that bare no semblance to reality. Yet, many of us have avoided engaging the public online or even face-to-face. This lack of engagement is partly due to an assumption that science and advocacy are fundamentally incompatible: science is concerned with objectively observing natural processes whereas advocacy is inextricably linked to subjectivity and a desire for the way the world **ought to be** [5-7]. Some scientists worry that engaging in advocacy will harm their credibility as objective scientists, even though data suggest otherwise [7]. Without expert voices communicating science to the public and policy-makers, fields like healthcare, climate science, and evolutionary biology—all fields that are inextricably linked to anatomy—have been overrun with conspiracy theories and misinformation. Because scientific fields continue to increase in complexity, the American public—whose tax dollars fund federal research grants—is left behind.

The timing is right to focus on making effective science communication a fundamental part of **doing** science. And to do that, we must train our students and faculty in the skills necessary to be effective communicators. At the last several Experimental Biology meetings, the American Association of Anatomists (AAA) has prioritized professional development in science communication for researchers, educators, and practitioners. At these annual meetings, AAA has provided outlets for members to learn about the art of storytelling and its usefulness in communication, as well as a hands-on workshop in applied improvisation techniques to help members learn to connect with an audience in real time and to distill their message into language that is easily understood. Furthermore, AAA recently adopted a new strategic plan that puts science communication front and center, where the public is engaged through the promotion of anatomical sciences.

To support these new science communication initiatives, AAA has awarded several prestigious Innovations Grants to design programs aimed at engaging the public. First, the association launched the successful [#IAmAnatomy campaign](#) to draw attention to the diversity of research and education in our discipline. And in July 2019, AAA will host its inaugural Science Communication Boot Camp on the campus of Indiana University School of Medicine in Indianapolis. This three-day program will bring participants together to learn effective communication skills from the faculty of the [Alan Alda Center for Communicating Science](#) and representatives of the [Federation of American Societies for Experimental Biology](#) science policy staff. This event is open to any AAA member in good standing and there is no registration fee. Space is limited to 32 participants on a competitive basis. For more information, visit the AAA SciComm Boot Camp website, www.anatomysciComm.org.



1. Funk, C. and L. Rainie, *Public and scientists' views on science and society*. Pew Research Center, 2015. **29**.
2. Sciences, N.A.o., *The Science of Science Communication II: Summary of a Colloquium*. 2014, Washington, DC: The National Academies Press.
3. Sciences, N.A.o., *The Science of Science Communication I: Summary of a Colloquium*. 2012, Washington, DC: The National Academies Press.
4. National Academies of Sciences, E., and Medicine, *Communicating Science Effectively: A Research Agenda*. 2017, Washington, DC: The National Academies Press.
5. Nelson, M.P. and J.A. Vucetich, *On advocacy by environmental scientists: what, whether, why, and how*. *Conservation Biology*, 2009. **23**(5): p. 1090-1101.
6. Ruggiero, L.F., *Scientific independence and credibility in sociopolitical processes*. *Journal of Wildlife Management*, 2010. **74**(6): p. 1179-1182.
7. Kotcher, J.E., et al., *Does engagement in advocacy hurt the credibility of scientists? Results from a randomized national survey experiment*. *Environmental Communication*, 2017. **11**(3): p. 415-429.

Jason Organ, PhD

Assistant Professor of Anatomy and Cell Biology,
Indiana University School of Medicine
Board of Directors, American Association of Anatomists



AMERICAN ASSOCIATION OF CLINICAL ANATOMISTS (AACA)

Happy New Year from AACA!

The American Association of Clinical Anatomists is looking forward to 2019 with our continued mission to support, promote, and advance anatomically and clinically-based scholarship in research, teaching, and curricular matters within the health science professions.

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AACA REGIONAL MEETING RECAP

Our October regional meeting was held on October 6th, 2018 at Georgetown University, located in the historic Georgetown neighborhood of the Nation's Capital. Given the ever-increasing change to medical curricula in most medical schools in the U.S., speakers addressed the role of the foundational science of medicine, gross anatomy, in the present drive to integrate the various basic science disciplines. In addition, the role of how to assess medical students in the formation of ideal professionals was presented.

Speakers included Dr. Peter J. Ward from West Virginia School of Osteopathic Medicine, Dr. Kirsten Brown from The George Washington University and Dr. Carrie Chen from Georgetown University School of Medicine. Finally, Dr. Aaron Saguil from the Uniformed Services University presented the unique perspective of training physicians to serve our armed forces.

The AACA Regional meeting gathered close to 40 individuals, including a dozen poster presentations. We were also honored to have Wolters Kluwer and Visual Representation as exhibitors.

AACA/HAPS JOINT REGIONAL MEETING PREVIEW

AACA is excited to announce our next Regional Meeting to be held in collaboration with the Human Anatomy and Physiology Society (HAPS) at Bellarmine University on March 30, 2019! Talks will include:

"A Closer Look: New Technologies Reveal New Anatomy, but the Oldies are still Goodies"
presented by Jeffrey C. Petruska

Every major advance in our understanding of nature is preceded by new tools that enable us to observe at levels beyond our natural senses. Radio telescopes enabled discovery of new stars at unprecedented distances. X-ray diffraction enabled discovery of the structure of molecules. Most knowledge of gross anatomy was acquired with personal natural sense observation. Over time this was enhanced with assistance of magnified light in combination with other techniques. One of the final frontiers in mammalian anatomy is the identification of distinct cell types and detailed mapping of neural connectivity. This presentation will discuss how "old-school" neurophysiology and new molecular tools that take advantage of both gross anatomy and the natural genetic distinction in cell types reveal some new neural connections that could re-write parts of the anatomy texts and enhance our understanding of nervous system function.

“How did this Fracture Occur? Forensic Anatomy & Bone Trauma Research” presented by Dr. David J. Porta

Medical treatment plans may be affected by knowing if a bone fracture is open or closed, complete or incomplete, and if the fragments are displaced or not. Do you teach your students to also be able to identify fracture patterns? Why? What is the point of learning the different patterns? This talk will provide some answers that question. Anatomical and biomechanical research on human bones is performed in an effort to determine tolerance to impact. Such data can assist design engineers with the enhancement of safety features in motor vehicles, sporting equipment, etc. In addition to collecting valuable force data, details learned about patterns of fracture can benefit investigators who reconstruct mechanisms of injury in forensic cases. When fracture tension lines travel the entire diameter of the bone, a fragment or fragments are formed and one can note a pattern- e.g. oblique, transverse, wedge, spiral, etc. The pattern can be used to distinguish torsional versus bending types of injuries as well as direction of impact. After a brief description of research techniques in biomechanics, the forensic application of this data will be shared using two legal cases involving a fatal hit-and-run pedestrian impact, and a fracture that was claimed to be the result of chiropractic manipulation.

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AACA 36TH ANNUAL CONFERENCE AND POST GRADUATE COURSE

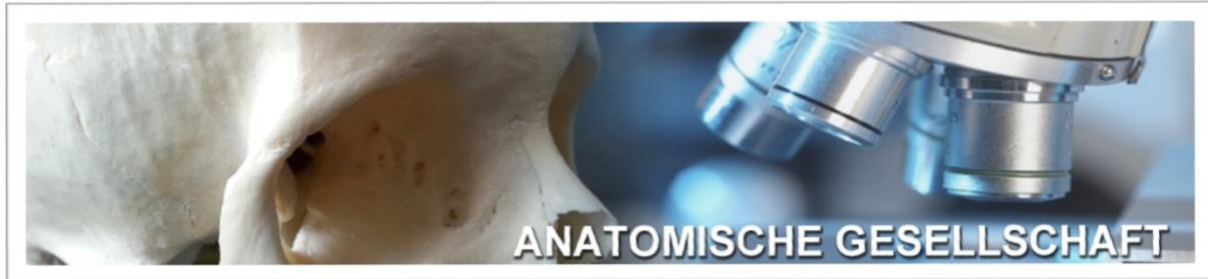
Mark your calendars for AACA's 36th Annual Conference June 11-14, 2019 held at the Hyatt Regency Tulsa in Tulsa, OK. We are currently accepting abstract submissions with a deadline of March 1, 2019.

On June 15th, following the Annual Conference will be our Post Graduate Course: *Neuroanatomy of Adolescent Brain Cognitive Development and Mood Disorders*. Hosted by the Laureate Institute for Brain Research (LIBR), participants will learn about cutting edge research topics including adolescent brain cognitive development (the ABCD Study) and novel non-pharmacological treatments for mood and anxiety disorders. Participants will learn how to access data in the public ABCD database, and they will gain deeper understanding of research applications of fMRI neurofeedback and “floating” in an Epsom salt bath. Qualified volunteers can compete for the opportunity to experience an amygdala guided fMRI neurofeedback session, followed by a debriefing session to share the experience with fellow attendees.

For more information on AACA's upcoming Regional Meeting, Annual Conference and Post Graduate Course, visit clinical-anatomy.org.

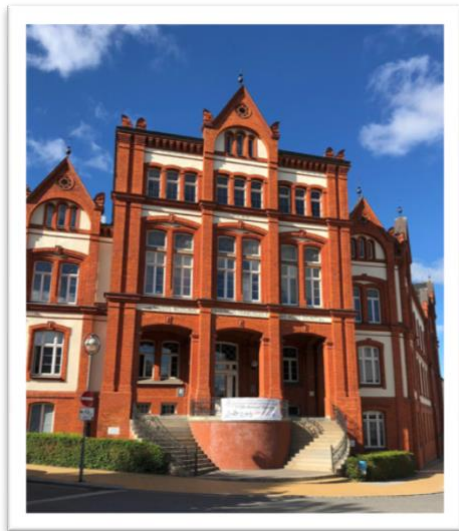


ANATOMISCHE GESELLSCHAFT (GERMAN SOCIETY OF ANATOMISTS)



THE ANATOMISCHE GESELLSCHAFT HAS APPOINTED A NEW BOARD OF DIRECTORS

In September 2018, the 113th Meeting of the *Anatomische Gesellschaft* (German Society of Anatomists) took place in Rostock, Germany. The hanseatic city of Rostock is located at Baltic Sea and characterized by wonderful medieval and historic houses, one of which being the Anatomy building. The setting was extraordinary, particularly as Rostock University is celebrating its 600th anniversary this year.



ANATOMY AND PHYSIOLOGY
BUILDING OF ROSTOCK
UNIVERSITY

A 'pre-conference workshop' dealt with the topic of novel concepts in Anatomy teaching – and attracted many participants, which lively discussed the opportunities and challenges of these concepts.

The **opening ceremony** of the Meeting was held at the wonderful and impressive "Aula", the main assembly hall of Rostock University. During the ceremony, the Prof. Dr. Bernhard Hirt (Tübingen, Germany) was granted the Waldeyer Award of the Waldeyer-Foundation as part of the *Anatomische Gesellschaft*. The laudatory was given by Prof. Bernhard Tillmann, who himself received the first Waldeyer award in the year 2000.



ANTON WALDEYER MEDAL, TOGETHER WITH THE AWARD
CERTIFICATE AND THE PRIZE MONEY AWARDED TO PROF.
BERNHARD HIRT

Emmy-Noether Group leader Dr. Robert Fledrich (Leipzig) received the Young Academics Prize and Dr. Andrea Schampel (Lübeck) the PhD-Award of the *Anatomische Gesellschaft*.

At the **General Assembly**, the previous steering committee (2014-2018) was disbanded, and its members were thanked for their commitment and their achievements.

Subsequently, Prof. Dr. **Ingo Bechmann** (Leipzig, Germany), Prof. Dr. **Garola Meier** (Homburg, Germany), Prof. Dr. **Jens Waschke** (Munich, Germany) and Prof. Dr. **Jürgen Westermann** (Lübeck, Germany) were elected new members of the Board of Directors, along with Prof. Dr. **Friedrich Paulsen** (Erlangen, Germany) as secretary.

The *Anatomische Gesellschaft* was founded in 1886 as an international anatomical society. Its objectives are to provide a platform for the exchange of experience and knowledge at annual conferences, to generally represent the discipline of anatomy, to promote research exchange and further education in anatomical training, to support young academics in the field of anatomy as well as to maintain contact to societies abroad. These duties will be the responsibility of Ingo Bachmann (research), Jürgen Westermann (education), Carola Meier (public relations) and Jens Waschke (international relations). The Board has been elected for a period of four years; Jens Waschke has been appointed Chairman for the initial term of office.

The scientific presentations (72 talks and more than 120 poster presentations) focused either on one of the two main topics (Neurodegeneration/Neuroregeneration and Biomaterial/Tissue Engineering) or on general anatomic areas like clinical anatomy, experimental morphology, neuroanatomy or cell biology.

During the closing ceremony of the meeting, poster prizes were awarded to Dr. Anja Horn-Bochtler (München), Alexander Pernißen (Gießen) and Dr. Stefan Washausen (Münster). The next meeting will take place in Würzburg, Germany in September 2019 – and before that, we are looking forward to meeting you at the IFAA in London!



NEWS FROM THE

ANATOMICAL SOCIETY OF PAKISTAN

Anatomical Society of Pakistan is an elected association of Anatomists all over the country, working effectively for promoting the academic facilitation, research activities and professional development of faculty since 2014. The Society is registered under section 2 of the societies registration act XXI of 1860 by the Government of Pakistan. This is a non-governmental, non-partisan and non-political organization having aims and objectives to produce close relationship among the Anatomists. Its purpose is to uphold the dignity of profession by maintaining high professional and ethical standards, encourage the members for writing standard textbooks in the subject for undergraduates and postgraduates, stimulate the members for research work, publish journal of Anatomy, conduct seminars, scientific conferences and training programmes for persons working in this field, integrate undergraduate and postgraduate teaching in the subject and also develop relationship with teachers of basic and clinical medical sciences.



**PROFESSOR NOSHEEN
OMAR: PRESIDENT**

The office bearers of the society include, the president, Professor Nosheen Omar from Fatima Memorial Hospital College of Medicine & Dentistry Lahore, the vice president, Professor Imtiaz Ali Waggan from Dow University of Health Sciences, Karachi, the general secretary, professor Muhammad Suhail from Sheikh Zayed Medical College & postgraduate institute Lahore. Professor Nargis Ashraf & Professor Aliya Zahid are finance & information secretaries respectively. In addition there are six executive members from different regions of the country.

The Association has about four hundred members. Most of them actively participate in different workshops conducted by the Anatomical Society for faculty training, which are held in many cities by National and International trainers in different institutions of the country. While the research activities of the Anatomists is facilitated by providing a platform of annual National & International conferences. The participation of students is encouraged by holding exhibitions of Anatomy models, charts and flex and the prizes for each category are distributed to the winners of the competition.

The Anatomical society of Pakistan has organized five annual scientific conferences so far. The first conference was held in 2014, where four research articles were presented while latest was TELCON 2018 on “technology enhanced learning” including twenty one research articles. While Annual Scientific Conference 2015 was a national conference in which twenty one researchers presented their articles. In year 2016, the international conference was held on the theme of “Anatomy in 21st Century” in which seventeen research papers were included. The year 2017 was with international conference on “Modular Curriculum in Medical Education” where fifteen original research papers were presented.



CONFERENCES HELD BY ANATOMICAL SOCIETY OF PAKISTAN

The Anatomical Society is also in the process of launching the Journal of Anatomical Society of Pakistan "JASP" for which official proceedings are in progress. The association has also started to raise the funds to equip and upgrade one demonstration room in Anatomy departments of medical institutions by donating multimedia, screen, LED and sound system. The ASP also announced life time achievement awards in recognition to the services of legendary anatomists of the country. Honorary membership of the Society is also offered to the renowned personalities of the country who have excelled in their professions.

In fact the Anatomical Society of Pakistan is continuously working to provide a convenient forum for Anatomists to interact not only with each other but also with other health care professionals. It is also a meeting point for transfer of knowledge among anatomists, students, researchers and decision makers. Much more is that the Society is also using its platform to conduct debate addressing the burning issues in respect of Anatomy in this era.



EXIBITION BY STUDENTS

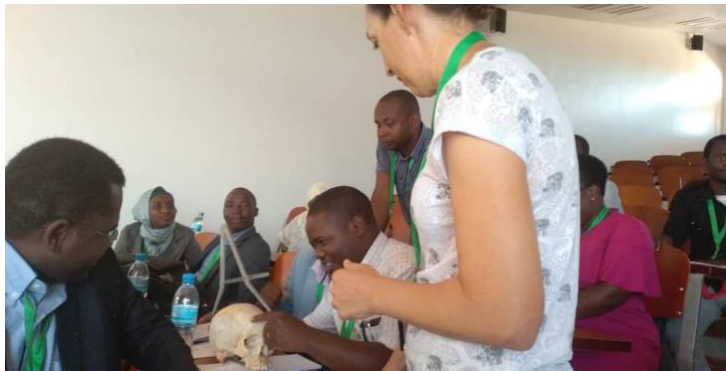
NEWS FROM THE

ANATOMICAL SOCIETY OF SOUTHERN AFRICA (ASSA)

SHORT COURSE ON SKELETAL ANALYSIS CONDUCTED IN TANZANIA

Prof Ericka L'Abbé (UP) and Prof Steve Symes (Medical Examiner's Office in Mississippi, USA) were invited to present a short course at the University of Dodoma (UDOM) in Tanzania during September 2018. The course was hosted by the College of Natural and Mathematical Sciences at UDOM. It consisted of discussions on blunt and ballistic injuries to bone with particular emphasis on bone biomechanics and fracture interpretation, as well as human skeletal variation and the biological profile in anthropology. Participants were able to measure crania, reconstruct fractured bones and evaluate fracture variation.

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PROF L'ABBÉ WITH THE PARTICIPANTS AT THE SHORT COURSE



PROF SYMES INTERACTING WITH SOME OF THE PARTICIPANTS

Ms L Liebenberg
University of Pretoria

THIRD ANATOMY DISSECTION SCHOOL DURING JUNE 2018

The 2018 Anatomy Dissection School and third in the series, took place from 25 – 29 June at the School of Anatomical Sciences, Wits Medical School in Parktown, Johannesburg, South Africa. There were 16 participants drawn from different health professions resident within and outside the Gauteng Province. The anatomy regions dissected on human cadavers ere the upper and lower limbs, including joint cavities, thorax, face, brain, abdomen as well as the pelvis and perineum. For the first time, those without prior knowledge of Anatomy participated in the Dissection school. This Dissection School is endorsed by the Anatomical Society of Southern Africa (ASSA) and attracts 30 Continuing Professional Development (CPD) points from the Wits CPD office. The Anatomy Dissection School will again be held in 2019. For enquiries, please contact Professor Amadi Ihunwo at amadi.ihunwo@wits.ac.za.



THE PARTICIPANTS AND SOME OF THE FACILITATORS IN THE 2018 ANATOMY DISSECTION SCHOOL

Dr D Brits
University of Witwatersrand



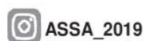
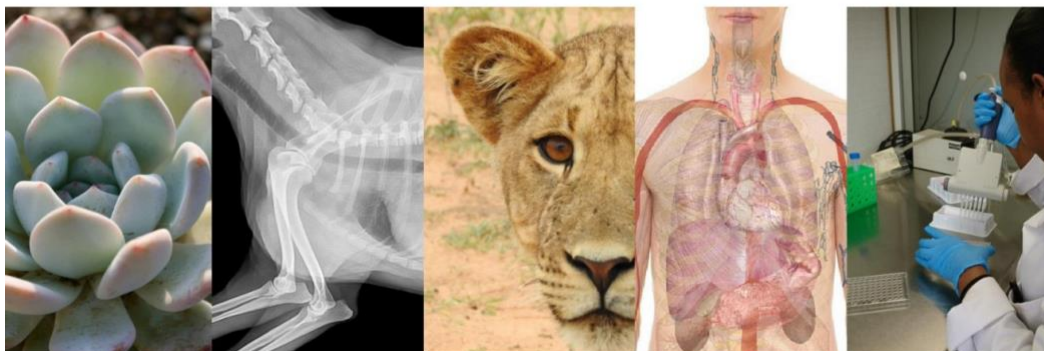
47th Annual Conference of the Anatomical Society of Southern Africa

7 – 10 April 2019

Join us for an African Safari and a rockin' good time!

**Kwa Maritane Bush Lodge “Place of the Rock”
Pilanesberg, North West Province,
South Africa**

Website: <https://www.up.ac.za/en/assa2019>



UNIVERSITY OF PRETORIA
UNIVERSITY OF PRETORIA
UNIVERSITY OF PRETORIA

Faculty of Health Sciences
Fakulteit Gesondheidswetenskappe
Lefapha la Disense ka Maphelo

SAVE THE DATE!!

HVIRU WORKSHOPS 2019

The Human Variation and Identification Research Unit (HVIRU),
School of Anatomical Sciences, University of the Witwatersrand will be
hosting two workshops in 2019.

Forensic Archaeology: Excavating buried remains

Date: 2 - 3 September 2019

Cost: R2000

Taphonomy and Decomposition

Date: 4 - 6 September 2019

Cost: R3000

Special price for attending both courses – R4000

Both workshops are limited to 20 persons

Venue: School of Anatomical Sciences,
Faculty of Health Sciences,
University of the Witwatersrand

Enquiries: Dr Desiré Brits
Desire.Brits@wits.ac.za

These workshops are partly funded by the American
Academy of Forensic Sciences (AAFS) Humanitarian
and Human Rights Resource Center (HHRC)



ASIA PACIFIC INTERNATIONAL CONGRESS OF ANATOMISTS

The 8th Asian Pacific International Congress of Anatomists (APICA) was held from Oct 28 to 31 in Busan, Korea. The congress was hosted by Korean Association of Anatomists (President, Prof. Kyu Youn Ahn at Chonnam National University, Gwangju), and supported by the Korean Federation of Science and Technology Societies, Korean Academy of Medical Sciences, Hankook Medical Science Foundation, Korea Tourism Organization, and Busan Tourism Organization. The number of participants was 696 from 22 countries; domestic 537, overseas 159 (1 Canada, 32 China, 1 Czech Republic, 2 Hongkong, 2 India, 12 Indonesia, 32 Japan, 1 Lithuania, 7 Malaysia, 6 Myanmar, 3 Nepal, 3 New Zealand, 20 Philippines, 4 Singapore, 1 Slovak Republic, 1 Sri Lanka, 3 Taiwan, 14 Thailand, 3 Turkey, 1 UK, 10 USA).

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The scientific program was composed of 2 plenary lectures (Prof. Jin-Soo Kim and Prof. Stephen J. Galli), 2 special lectures (Prof. Richard L. Drake and Prof. Bernard Moxham), 3 keynote sessions, 4 luncheon symposia, 1 session for young anatomists and 15 general sessions. The 4th AsACA (Asian Association of Clinical Anatomists) symposium and preconference clinical workshop were also included in the program. A total of 402 abstracts were presented and discussed during the conference period, which included 295 poster presentations. At the welcome reception on day 1 (Oct 28th), Prof. Sun Hwa Park (Korea University, Seoul) in her Korean traditional costume played the flute and Prof. Il Soo Moon (Dongguk University, Gyeongju) the saxophone. Their music made the party more pleasant. And at Gala dinner on day 2 (29th), a rock band (bandleader, Prof. Hee-Jin Kim at Yonsei University, Seoul) composed of Korean anatomists made the night more memorable. In the executive committee meeting on day 3 (30th), the host country of next APICA was discussed and decided. The congress was closed on 31st leaving behind a handful of academic fruits and beautiful memories, and the 9th APICA will be held in 2020, Beijing, China. For more information and congress photos, please visit to the 8th APICA website (apica2018.org).



NEWS FROM THE

AUSTRALIAN AND NEW ZEALAND ASSOCIATION OF CLINICAL ANATOMISTS (ANZACA)



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ANZACA
AUSTRALIAN AND NEW ZEALAND
ASSOCIATION OF CLINICAL ANATOMISTS

16th Annual Conference
4 - 6 December, 2019
Perth, Western Australia

*****BREAKING NEWS*****

ANZACA will be at the 2019 IFAA Congress

Look out for our sponsored symposiums on the Program and
come over to greet your friends from down under!

BELARUSIAN SCIENTIFIC SOCIETY OF MORPHOLOGISTS

The association “Belarusian Scientific Society of Morphologists” is a voluntary public organization of scientists, doctors and biologists engaged in research, teaching and practical activities in the field of anatomy (including topographic), histology, cytology, human and animal embryology, anthropology and related disciplines.

The society was organized in 2007. The first Chairman was Professor Pivchenko P.G. and since 2014 Professor Trushel N.A., Doctor of Medicine, the Head of the Normal Anatomy Department of the Belarusian State Medical University, is the Chair of “Belarusian Scientific Society of Morphologists”. The society secretary is Pasiuk A.A., PhD.

“Belarusian Scientific Society of Morphologists” can enter into international public associations, establish and maintain direct international contacts and connections, form relevant agreements with the aim to develop morphological science, improve the organization of educational and methodical work in the departments of anatomy, histology, cytology and embryology, operative surgery and topographic anatomy, biology of medical and other universities, as well as research institutions and specialized secondary schools.

The objectives of the “Belarusian Scientific Society of Morphologists” are:

- creation of favorable conditions for the disclosure of creative opportunities for scientists, teachers and other specialists in the field of anatomy, histology, cytology, embryology and anthropology;
- the development of creative relations of morphologists of Belarus and their business contacts with scientific societies, scientific and educational institutions of other countries;
- uniting and coordinating the efforts of members of society to develop morphological science in order to solve problems of practical medicine and improve the educational process in anatomy (including topographic), histology, cytology and embryology

Belarusian Society of Morphologists is a charitable scientific organization of anatomists of Belarus. The society currently has no treasurer, membership is voluntary and members of the society are not subject to financial fees and other financial obligations. However, in the society there is a control and auditing commission, the members of which are: Huseva Yuliya (Chairman), PhD, Associate Professor of Normal Anatomy Department of BSMU, Deputy Head of the Normal Anatomy Department for Research, Zharikova Olga, PhD, Associate Professor of Normal Anatomy Department of BSMU, Ostrovskaya Teresa, PhD, Associate Professor of Histology, Cytology and Embryology Department.

The number of current members is 196. The legal address of the “Belarusian Scientific Society of Morphologists”: 220116, Belarus, Minsk, Dzerzhinsky Avenue, 83, Belarusian State Medical University, Department of Normal Anatomy. Phone number: +375 17 277-21-01, e-mail: normanat@bsmu.by, trusheln@rambler.ru.



PROFESSOR TRUSHEL NATALIYA, THE HEAD OF THE NORMAL ANATOMY
DEPARTMENT OF THE BELARUSIAN STATE MEDICAL UNIVERSITY



YULIYA HUSEVA, ASSOCIATE PROFESSOR OF THE NORMAL ANATOMY
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ZHARIKOVA OLGA, PHD, ASSOCIATE PROFESSOR OF THE NORMAL
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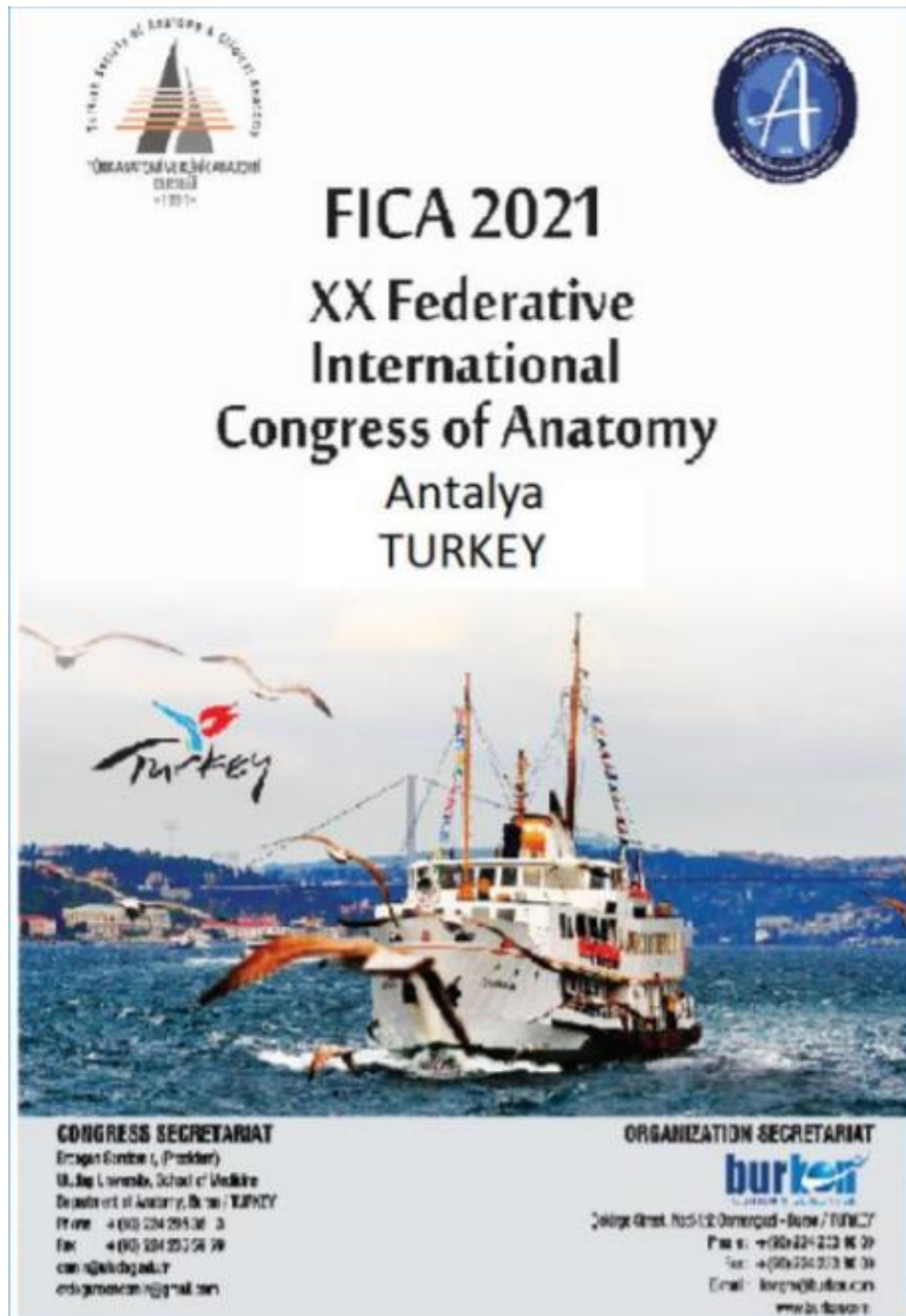
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NEWS FROM THE

FEDERATIVE INTERNATIONAL CONGRESS OF ANATOMY



The poster for the FICA 2021 XX Federative International Congress of Anatomy in Antalya, Turkey, features a central image of a white ferry boat on the blue sea with seagulls flying overhead. The text is arranged around this central image. At the top left is the logo of the Turkish Society of Anatomy and Clinical Anatomy (Türk Anatomik ve Klinik Anatomik Toplum), and at the top right is the logo of the Federative International Congress of Anatomy (FICA). The main title is centered in large, bold, black letters. Below the title, the location 'Antalya TURKEY' is specified. At the bottom, contact information for the Congress and Organization Secretariats is provided, including names, addresses, phone numbers, fax numbers, email addresses, and websites.

FICA 2021
XX Federative
International
Congress of Anatomy
Antalya
TURKEY

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ITALIAN SOCIETY OF ANATOMY AND HISTOLOGY (SIAI)



SIAI Società Italiana di
Anatomia e Istologia

Presidente
Prof. Giuseppe Anastasi
Università degli Studi di Messina
Tel. 090/2213361
e-mail: anapuc@unime.it

Messina, 31 October 2018

"Dear Prof. Fraher,

as President of the Italian Society of Anatomy and Histology (SIAI), it's a great pleasure for me to inform you that you were nominated Honorary Member (Socio Onorario) by the Executive Committee of the Society.

We deeply appreciate your brilliant career and are quite impressed by your scientific work, involvement in teaching and Academic effort. Moreover, we admire your outstanding work for FIPAT.

Deeply honoured by your presence in our Society, we warmly congratulate you.

Best regards

Prof. Giuseppe P. Anastasi


Società Italiana di Anatomia e Istologia
www.siai.unifi.it

MYANMAR ANATOMY SOCIETY (MAS)

HISTORY OF MYANMAR ANATOMY SOCIETY (MAS)

Myanmar Anatomy Society (MAS) was first formed on November 23, 2010 at Training Workshop on Anatomy Practical Demonstration, University of Medicine (2), Yangon, Myanmar. Most anatomists gathered to create an anatomy society to promote research and education in all aspects of anatomical science". Fifty interested members were voted in after the workshop at University of Medicine (2), Yangon, Myanmar. Most of the anatomists worked in the government services and some were retired senior anatomists. Professor Saw Ai Yong was the first president of Myanmar Anatomy Society from 2010 to 2013. Professor Khin Thida was the second president of Myanmar Anatomy Society from 2013 to 2016. Professor Myint San Nwe, acting Professor & Head was the third president elected by society members of Myanmar Anatomy Society from 2016 up to now. The Myanmar Anatomy Society was registered to the Myanmar Medical Association at November 2016.

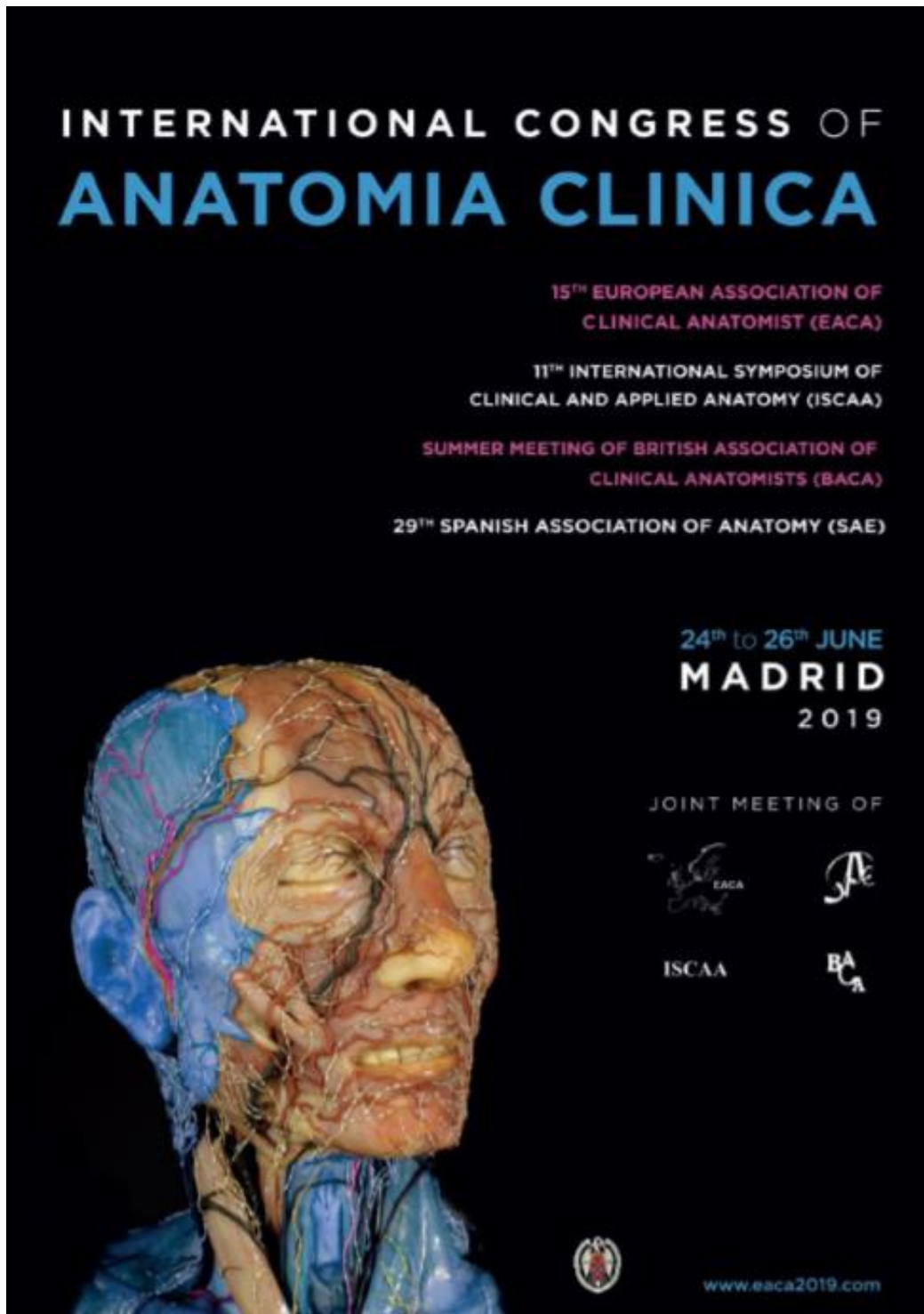
The Myanmar Anatomy Society was officially established to promote research and education in all aspects of anatomical science. The first annual meeting was held at University of Medicine (1), Yangon in January, 2016. Seventy-seven members attended the first annual meeting of Myanmar Anatomy Society (MAS). Eighty members attended the second annual meeting of Myanmar Anatomy Society (MAS) held in December, 2017. In June, 2018, eighty five members were enrolled. Myanmar Anatomy Society (MAS) contributes to the advancement of medical sciences by means of participating in regional conferences such as 7th Asia Pacific International Congress of Anatomists (APICA), Singapore and 8th APICA, Korea, involving in medical education and research.

Dr. Sann Lin Ko



SOME OF THE MEMBERS OF THE MAS WHO PARTICIPATED IN THE FOUNDING AND 2ND GENERAL ANNUAL MEETING AT UNIVERSITY OF MEDICINE (1) & (2), YANGON

INTERNATIONAL CONGRESS OF ANATOMIA CLINICA 2019



CALENDAR OF MEETINGS

2019

6-9 April 2019

American Association of Anatomists

Orlando, USA

7-10 April 2019

47th Meeting of ASSA

Pilanesberg, South Africa

11-14 June 2019

36th Meeting of AACA

Tulsa, USA

24-26 June 2019

International Congress of Anatomia Clinica

Madrid, Spain

2 July 2019

British Association of Clinical Anatomists, Summer Meeting

University of Central Lancashire

17 December 2019

British Association of Clinical Anatomists, Winter Meeting

University of Newcastle

9-11 August 2019

19th Congress of IFAA

London

September 2019

114th Meeting of Anatomische Gesellschaft

Würzburg, Germany

4-6 December 2019

Australian and New Zealand Association of Clinical Anatomists

Perth, Australia

2020

2020
9th Meeting of APICA
Beijing, China

2021

2021
20th Congress of FICA
Antalya, Turkey

IFAA 2021

Please send in details of congresses related to the anatomical sciences for inclusion in the calendar.

ANATOMY JOURNALS: NEWS FROM THE EDITORS AND JOURNAL URLS

If you are the editor of a journal that does not appear in the list below, please email us the journal details for inclusion in subsequent issues

Anatomy and Cell Biology

Editor-in-Chief: In-Sun Park

<http://www.acbjournal.org>

Anatomical Record

Editor-in-Chief: Kurt Albertine

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291932-8494>

Anatomical Sciences Education

Editors-in-Chief: Richard L. Drake and Wojciech Pawlina

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291935-9780>

Annals of Anatomy

Editors-in-Chief: Friedrich Paulsen

<http://www.sciencedirect.com/science/journal/09409602>

Argentine Journal of Clinical Anatomy

Editor-in-Chief: Susana N. Biasutto

www.anatclinar.com.ar

Clinical Anatomy:

Editor-in-Chief: R. Shane Tubbs

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291098-2353>

Developmental Dynamics

Editor-in-Chief: Parker B. Antin

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291097-0177>

European Journal of Anatomy

Editor-in-Chief: José Ramón Sañudo

<http://www.eurjanat.com/web/>

Journal of Anatomy

Editors: Julia Clarke, Thomas Gillingwater, Anthony Graham, Stefan Milz

<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291469-7580>

Journal of Morphological Sciences

Editor: Romeu Rodrigues de Souza

<http://jms.org.br/index.php>

Surgical and Radiological Anatomy

Editor-in-Chief: Fabrice Duparc

<http://link.springer.com/journal/volumesAndIssues/276>

CONTRIBUTIONS TO PLEXUS

Plexus is intended for staff and student of all member Societies of the IFAA.

Should you receive a copy, please distribute as widely as possible in order to inform all members of the evens and issues covered by the IFAA and its member Societies.

Contributions will be gratefully accepted.

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