

INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS



PLEXUS

THE NEWSLETTER OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS
January 2016



IFAA EXECUTIVE COMMITTEE MEMBERS

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Chair

Bernard Moxham

Past President

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Vice-President

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Friedrich Paulsen

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Wojciech Pawlina

Chair of FIPAE

Shane Tubbs

Chair of FICSP

Ashiru Oladapo

Chair of FICOD

Marios Loukos

Chair of FICAR

Andreas Winkelmann

Chair of FICEHM

Cover picture: IFAA Board, photo taken in Istanbul , Turkey

EDITORIAL

This edition of Plexus comes with our best wishes for a happy and fulfilling 2016. The new Executive of the IFAA met last September in Istanbul. It was a productive time and this edition includes several of the reports from the meeting. The IFAA currently has about 30 of the ~ 80 Anatomical societies across the world as members. The IFAA aims to support Anatomists, share best practice and raise the profile of the discipline of Anatomy and we would like to encourage as many societies as possible to join. So, if your society is not already a member we would ask you to consider becoming a member, and if you know of societies that are not members please tell them about the IFAA! If your society is a member perhaps you could consider including the IFAA as a standing item on the agenda of your meetings and appointing an international liaison officer to help promote communication with the IFAA and other anatomical societies? Effective communication is key in working together so please get in touch with us if the contact details we have for you (see pages 4-6) are incorrect.

We look forward to hearing from you.

With best wishes
Helen and Nalini

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Message from the President

The year appears to have started with a bang amidst great activity on the IFAA front! The Federative International Programme on Anatomical Terminology have continued to work through the festive season and have sent aspects of the terminologies to all IFAA member societies for their debate and input. Items for the referendum on voting rights and society membership are being received by the General Secretary of the IFAA, while all the Chairs of FIPAT Committees are preparing reports on the focus of their activities over the next few years. I am sure that you too have been as busy and productive and that you look forward to the challenges of the new year with great gusto!

The IFAA would like to welcome to their fold the **Taiwan Association of Anatomists** (The Association of Anatomists of the Republic of China) as a candidate member of the International Federation of Associations of Anatomists. We warmly welcome them and look forward to their interaction with the IFAA and its member societies.

I would like to appeal to all members to remain actively in contact with the IFAA. Please visit the Website or send me or any of the Executive suggestions and ideas. I look forward to hearing from you.

With best wishes for a bright 2016!

Beverley Kramer Ph.D, FAS
President
International Federation of Association of Anatomists

Keeping in Touch

A common theme of this edition of Plexus is the importance of communication. The new IFAA Executive is keen to actively engage with member societies, and those who are not yet members. In order to do this, we need to have the appropriate contact details for each society. Below is our list of email addresses for the member societies but we are pretty sure some of these details may have changed! Please could you look at the details for your own society and contact us if these need updating?

If you know of other societies who are not yet a member of IFAA but may like to receive a copy of Plexus or consider joining the IFAA please put them in touch with us.

Thanks

Helen (helen.nicholson@otago.ac.nz) and Nalini (n.pather@unsw.edu.au)

IFAA Society Contact List 2015

Argentina

Argentine Association of Clinical Anatomists

Dr. Susana Biasutto

Dr. Gustavo Otegui, President

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gotegui@fmed.uba.ar or

gotegui@gmail.com

Australian and New Zealand

Australia and New Zealand Association of Clinical Anatomy

Dr. Rod Green, Treasurer

rod.green@latrobe.edu.au

Brazil

Brazilian Society of Anatomy

Dr. Richard Halti Cabral

halticabral@hotmail.com or

drhc@usp.br

Canada

Canadian Association for Anatomy, Neurobiology and Cell Biology

Dr. Sari S. Hannila

hannila@cc.umanitoba.ca

Chile

Chilean Society of Anatomy

Dr. Julio Cardenas Valenzuela, President

jcardenasvenzucla@gmail.com or

jcardena@med.uchile.cl

Costa Rica

Costarrican Association of Anatomy

Dr. Rolando Cruz Guitierrez, President

rolandocruzg@yahoo.es

Croatia

Croatian Association of Anatomists, Histologists and Embryologists

Professor Dragica Bobinac

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zelimir.bradamante@mef.hr

Czechoslovakia

Czech Anatomical Society

Assoc. Professor Tomas Kucera, Treasurer

Tomas.kucera@lf1.cuni.cz

Finland

Finnish Association of Anatomists

Dr. Jorma Paranko

paranko@utu.fi

France

France – Association des Morphologistes

Professor Philippe Vago

pvago@chu-clermontferrand.fr

Germany

Germany – Anatomische Gesellschaft

Professor Friedrich Paulsen, Secretary

friedrich.paulsen@fau.de

Hungary

Hungarian Anatomical Society

Dr. Peter Sotonyi

sotonyi.peter@aotk.szie.hu

India

Anatomical Society of India

Dr. Ajay K. Srivastava, Treasurer

treasurerasi@yahoo.com

Indonesia

Indonesian Anatomists Association

Professor Achmad Aulia Jusuf, President

aljuswin04@yahoo.com

Italy

Italian Society of Anatomy and Histology

Professor Amelio Dolfi, Treasurer

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amelio.dolfi@med.unipi.it

Korea

Korean Association of Anatomists

Dr. Hosung Jung

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Nigeria

Anatomical Society of Nigeria

Dr. Patrick Igbigbi, President

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Pan-America

Pan-American Association of Anatomists

Dr. Mariano G. del Sol Calderon

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mdelsol@ufro.cl

People's Republic of China

Chinese Society of Anatomical Sciences

Dr. Changman Zhou, Vice President

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Poland

Polish Anatomical Society

Professor Witold Wozniak

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Romania

Romanian Society of Anatomists

Professor Dr. Matusz L. Petru, General Secretary

matusz@umft.ro

Russia

All-Russian Scientific Society of Anatomists, Histologists and Embryologists

Dr. Sergey Dydykin, Treasurer

dydykin_ss@mail.ru

Professor Lev Kolesnikov, President

levkolesnikov@mail.ru

Serbia

Serbian Anatomical Society

Society email

anatomidr@gmail.com

Dr. Dusica Maric, General Secretary

maricduska@gmail.com

South Africa

Anatomical Society of Southern Africa (ASSA)

Professor Graham Louw, Treasurer

graham.louw@uct.ac.za

Spain

Sociedad Anatomica Espanola

Professor Fermin Viejo Tirado, Treasurer

fviejo@med.ucm.es

Switzerland

Society for Anatomy, Histology and Embryology (SGAHE/SSAHE)

Dr. Mathias Bergmann, Secretary/Treasurer

mathias.bergmann@ana.unibe.ch

Thailand

Anatomy Association of Thailand

Professor Sukumal Chongthammakun

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Turkey

Turkish Association of Anatomy and Clinical Anatomy

Dr. Nihal Apaydin, Treasurer

Nihalapaydin03@yahoo.com or
napaydin@gmail.com

United Kingdom

Anatomical Society

Professor Tracey Wilkinson, Treasurer

WilkinsonAT@cardiff.ac.uk

United States of America

American Association of Anatomists

Dr. Richard Drake, Treasurer

draker@ccf.org

American Association of Clinical Anatomists

Dr. Carol Lomneth, Treasurer

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Shanan Molnar, Executive Director of AACA

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Dr. Ruben Daniel Algieri

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News from the IFAA Executive Committee

Executive Committee Meeting Minutes (Draft): September 2015

September 2nd, 2015, 9 a.m. until 1.15pm

Location: Istanbul University, Faculty of Science, 34134, Vezneciler, Fatih / İSTANBUL

1. Welcome and apologies

Present

Beverley Kramer, Stephen Carmichael, Yunqing Li, Bernard J Moxham, Richard L Drake, Friedrich Paulsen, Helen Nicholson, Susana Biasutto, Phil Blyth, John Fraher, Wojciech Pawlina, Marios Loukas

By invitation: Umit Sehirli, Erdogan Sendemir, Dydykin Sergey, Chang-Man Zhou,

Apologies

Shane Tubbs, Andreas Winkelmann, Olidapo Ashiru

2. Condolences: Professor Mauricio Moscovici and Professor Wolfgang Kuhnel

3. Welcome to President of TAKAD, Dr Kagan Karabulut and International Affairs Officer, Profssor Umit Sehirli as well as Chair of ISMS Organising Committee Dr Erdogan Sendomir

4. Introductions: Committee

5. Thank you to Turkish Organising Committee for hosting the FIPAT and IFAA meetings

6. Additions to the agenda

Minutes of the last meeting at Beijing 8 August 2015

Proposed by Steven Carmichael. Accepted

Matters arising from the minutes

- Nil

7. Mechanisms of voting for Executive positions in the IFAA

Do both members from a society have to vote for the same member for election to executive council positions? (BK)

It is understood that delegates are not voting as independent members but are rather representing their society. When constitution was drawn up the intention was that those societies with larger numbers of members would have more than one vote, but it was thought that they would place both votes for a single candidate so as to provide more “weight” to their vote. However this is not explained in the constitution. There is thus

currently nothing to stop a society with more than one vote from splitting their vote and placing a single vote for each of two candidates. The issues surrounding this were discussed. It was acknowledged that if we are to make changes to the constitution this requires discussion at the General Assembly. Rather than the executive members making a decision on whether to proceed it was decided that the democratic way was to write to the member societies and seek their views. Following this we will either

1. make it explicit in the correspondence for the nomination for council members that a split of the vote is possible, or
2. advise that we will make a decision at the next general assembly.

ACTION: Beverley Kramer (BK) to write to societies asking for their views on whether those large societies with more than one vote may place a single vote for each candidate

8. Methodology for inclusion of additional members on to the different International Committees

The issue was raised that the process of inclusion of members of different societies on to the various Federative International Programmes (FIPs) or subgroups thereof is not known (SB).

A more transparent process would be that each FIP would describe how many members they required (assuming there are a limited number of positions available), and whether positions were time-restricted. It was appreciated that at times, chairs co-opted members to groups.

It was appreciated that due to work commitments some members on these groups are not able to contribute actively to their committee work. There is a process to remove such members, such that another member may be appointed to the committee and could contribute. However given the complexity of the circumstances such as deciding at which stage a member is not participating actively, and the sensitivity required make the defining of the process difficult.

With regards to members who wish to become members of FIPs, the proposal was that the website would be checked to ensure that it reflected the current membership (including which society the member was from), and then members could apply through their society to the chair of the relevant FIP, with a copy to the secretariat. It was appreciated that communication was a reason why some committees struggled to function well. Having the above process described on the website would make this process more transparent.

ACTION: Vice President (SC) to request from chairs of FIPs what they would like to communicate to member societies regarding additional inclusions of members on FIPs. Advise of this process.

ACTION: Chairs of FIPs to ensure that their part of the IFAA website is up to date by December 31st, 2015

ACTION: Plexus to publish article on which members (representing which society) are officers on which committee (HN)

9. Mechanism for inclusion of Societies as new members

The issue of the lengthy timeframe for inclusion of a society into the IFAA was raised (SB). Currently a society could apply for inclusion, but wait up to 5 years before their application was ratified, and then have to wait another 5 years before members could be nominated for election to council or participate in the Assembly. It was appreciated that we need to balance the time delays with the requirement of ensuring a society was legitimate. It was therefore decided that societies who wish to apply for membership could also nominate members for election to council or delegates to the Assembly. This would of course require that the society would need to be ratified at the general assembly prior to the election of officers and delegates. It was identified that it would be a sensitive issue if such a society was not ratified, given a member was also nominated. However the democratic nature of the IFAA suggests that appropriate societies would always be ratified and this situation is unlikely to occur.

It was noted that those societies who have not paid their subscriptions are in effect lapsed members, and require the same process as new societies.

It was noted that owing to executive changes in member societies, it may be that the new executive do not receive email reminders to pay the IFAA subscriptions.

The conclusion of the discussion was that the EXCO would have the right to *provisionally* admit member societies prior to the AGM of the next Congress and that these societies would have all rights (e.g. could thus nominate delegates for the next General Assembly). The General Assembly would thus have to ratify the Society *prior* to voting for positions to Council could be undertaken. It was accepted that it was unlikely that a Society would not be accepted by the General assembly

ACTION: A referendum is proposed that it is possible for new/non-ratified societies to nominate members for council or delegates to the Assembly, but these nominations will only be accepted once the society has been ratified at the Assembly. Therefore it will be possible that at a given Assembly, a society could be ratified, officers could be elected to positions and the Society could participate in the Assembly, following its ratification.

ACTION: Plexus (HN) to publish an article on the need to pay subscriptions. In addition, it was requested that the article should include a request that societies appoint an international liaison officer and have a standing agenda item of the IFAA.

10. Outreach to anatomical societies currently not members of the IFAA and recruitment of these.

Beverley Kramer has tried to contact all African societies, however these efforts have been hampered by language and email difficulties. To date, she has made contact with four societies. Similarly Susana Biasutto has made contact with several South American societies. Only 30 international societies were currently members out of approximately 80 societies across the world. This was felt to be detrimental to the discipline of anatomy.

It was requested that IFAA EXEC members attending meetings conducted by organisations currently outside of the IFAA could invite these societies.

ACTION: Members attending meetings organised by non-IFAA societies to invite that society to join the IFAA.

11. Outreach to young anatomists

A revitalisation of working committees has taken place. BK requested that the IFAA play a larger role amongst young/emergent anatomists. Dissection courses are one avenue for outreach. BK suggested such a course for young anatomists who did not have hands-on dissection exposure through the University of the Witwatersrand (Wits). During discussion it was said that several programmes already exist, some are short courses, and others 1-2 year long. Some courses are restricted to medical students or practitioners. Some include a prior online component. The organisations running these courses may be open to the IFAA advertising the availability of these courses (with appropriate inclusion criteria if desired). There is the potential for societies to sponsor young members to such courses. A webpage on the IFAA for young anatomists could be of benefit.

It was requested that the course offered by Wits, should rather come through the South African Society.

ACTION: Representatives of Societies on the IFAA Executive to find out from their own Societies whether they wish their course to be advertised on the IFAA Website.

ACTION: Secretariat (FP) to open a page on the IFAA Website geared towards these courses and other activities for young anatomists.

ACTION: BK to request Wits to offer course from the Society and not the School.

Reports:

12. Report from the Secretary General (Friedrich Paulsen)

13. On webpage each FIP has an administrative area, which enables chairs to update their material. A new web administrator has been appointed, who can make other changes as required. But the plan is that there should not be any substantial changes to the website at this stage.

14. Need to promote the IFAA 2019 meeting with flyer

ACTION: Secretary General to invite Slovakia to join the IFAA

ACTION: IFAA 2019 meeting flyer to be forwarded to Plexus and Secretary General

15. Treasurers report (Richard Drake)

- Membership list of paid societies attached
- Account held in Mississippi , Total Balance ~US\$38K
- Subscription rates unchanged for ~2 decades

- There is a sliding scale, based on membership numbers within a society.
- Proposed that the subscription rate be increased by a percentage, but this proposal needs to be linked with appropriate justification of how this would be spent, and the value to a society of belonging to the IFAA.

ACTION: RD to report on an appropriate rate increase and justification for this increase (BK) would follow.

16. Report from the Federative International Programme for Transcontinental, Inter-disciplinary Discussion (FIPTID) (Stephen Carmichael)

- Emails have been sent, and replies from the group indicate that no matters needed to be brought to the executive

17. Report from FIPAT (Anatomical Terminology) as well as FIPAT operation: review and proposals for development (John Fraher)

- FIPAT just completed 2 day meeting; report from previous meeting has been submitted to the Executive Committee.
- FIPAT consists of a number of working groups
- FIPAT agree that they should include more clinical anatomy terms
- Anatomy group completed revision of Terminologica Anatomica
 - New draft expected March 2016, approved by yesterdays meeting
 - With online version, have the potential for annual updates
 - Plexus will advertise this new version
 - Executive assented for the TA to be available via the IFAA website
- TE group have increased the number of congenital anomalies
 - Will be available on the website in March 2016
 - Executive assented for the TE to be available via the IFAA website
- TNA group has finalised the terminologies for both parts of the nervous system, namely, TNA CNS and TNA PNS
 - Both will be available on the website in March 2016
 - Executive assented for the TE to be available via the IFAA website
- T Anthropologica and T Odontologica have been through a similar process. In addition, these terminologies have been sent to the European Society of Anthropology for perusal.
- Executive assented for the T Anthropologica and Odontologica to be available via the IFAA website. No time line as yet.
- T Histologica have fewer changes currently but plan to make similar timeframe
- The current considerations are for
 - Easy interaction between various Terminologies
 - Need to have formal agreements
 - A Latin sub-committee has been set up, so that this forms the standard official term, in Latin, which can be translated accordingly into any other language.
 - Requirement to include clinical users such as radiologists.

- Plan to interact in a systematic way with clinical users, beginning with the TA group.
 - Plan to publish articles in anatomical, clinical and educational journals to provide information to anatomists
- International members have made strong contributions
 - Wish to have an assistant chair due to workload of new approaches. This was approved by the Executive.
 - With regards the 2nd edition of TA, Thieme have already destroyed the publication and hard copies of these documents.
 - Publication on website will allow users to use ontologies provided the attribute appropriately.
 - This could include users such as clinical coding systems

ACTION: Plexus to advertise, in the new, flexible format, the new Terminologia Anatomica, Terminologia Embryologica and Terminologia Neuroanatomica

18. FIPAE (Anatomical Education) report (Wojciech Pawlina)

- Written report supplied
- Majority of societies did not have an education group or office
- Request for papers published problematic because of copyright, but it is possible to supply the reference
- Educational session held successfully at Beijing last year
- Request to set up core curriculum group agreed by executive
- Mechanism to advise on publication of these papers
- Syllabus descriptions with Delphi panel set up a putative syllabus for Neuro
- Awareness that what is core will change over time
- Plan to publish this putative syllabus on IFAA, and seek comments from society members, and in this way to propose changes as required.
- First two syllabi should be available from February 2016.
- Following a proposal by Prof Pawlina, suggested and agreed that Bernard Moxham lead a group within FIPAE to develop core syllabuses.
- Plan to have a large committee, with removal of members if they are not active.
- Potential new members for FIPAE subcommittees should contact Wojciech Pawlina

ACTION: Bernard Moxham to lead a group within FIPAE to develop core syllabuses

19. FIPEMH (Ethics and Medical Humanities) report (Andreas Winkelmann)

- No report

ACTION: Ethics report to be sent (AW)

20. FIPSP (Scientific Publications) report (Shane Tubbs)

- No report

- Marios Loukas will contact Shane Tubbs for a written report on work done last year.

ACTION: Publications report to be sent (ST)

21. FIPOD (Overseas Development) report (Olidapo Ashiru)

- No report

ACTION: Overseas Development report to be sent (OA)

22. FICAR (Anatomical Research) (Marios Loukas)

- Done strategic plan with 16 researchers
- Plan to have timelines, and members responsible.
- Guidelines on how to report or acknowledge use of cadavers. This has already been published in Plexus by another group.
- Plan to submit written report in October 2015

ACTION: Research report to be sent (ML)

23. Strategic Plans from all FIPs

As requested at the meeting of the IFAA in Beijing, all FIPs were requested to submit their strategic plans for the five year period. To date, no such reports have been received. The Executive thus agreed that all FIPs should submit these reports by the end of **February 2016**.

ACTION: Secretariat (FP/PB) to inform all Chairs of FIPs (JF/SC/WP/ ST/ML/ AW/OA) of this request and to ensure that reports are in by the end of February 2016 for circulation to Executive.

First planning for symposia, sponsors, topics etc. of 2019 IFAA congress – Prof Sendimir

24. Has been a busy time planning the ISMS2015 meeting.

- Funding approaches have been unsuccessful so far. Advice from previous organisers about requirement to start early and for perseverance.
- Plenary Topics might include Neuroscience and Ethics
- Need to advise societies early to begin organising their symposia
- Advised that the IFAA does not have funds to support any congress, and it is incumbent on the host society to arrange funding. It is also appreciated that individual societies should be organising symposia, and to this end helping funding these symposia.
- Timing is important, and as the EACA meets at a similar time, risk of lower attendance. However those delegates from further away could combine attendance at both meetings.
- Dates have not been set yet. Currently high season, making it more expensive

ACTION: Invite societies to begin organising symposia

ACTION: Continue seeking funding

ACTION: Check appropriate dates with Executive

General:

25. Mechanisms for making the IFAA better known; use of Plexus and other mechanisms

- Only sporadic knowledge of what the IFAA does.
- Currently only ~30 of ~80 societies around the world
- Suggest raising profile at meetings which members attend
- The mission of the IFAA
 - Provides an international congress for the development, discussion and networking of anatomy
 - Develops and supports the development of anatomical terminologies
 - Develops core Syllabi
 - Coordinates anatomical Research
- BK to write about IFAA to new member societies
- OutReach to South America, Asia

26. Report of the Honorary Editor of Plexus (Helen Nicholson)

- Plexus puts out 2 editions per year.
- Request for information for future editions
- Not to look at social networking such as an IFAA page at this stage for risk of it not being updated, and need for web for chinese members. Plan to continue with pdf version of plexus, but for societies to please advertise via their social networking sites.

• Website

- access for Secretary (Pierre Sprumont) of FIPAT to be provided
- lack of info on other FIPS eg FIPAE, FICSP, FICAR
- Chairs need to update the information on their part of the website
- Need to advertise the IFAA to beginning academics.
- Societies have responsibility to respond to IFAA for example when executive members change.

• ACTION: Chairs of FIPAE, FIPSP, FIPAR and FICOD to update their sections of the Webpage

• Number of meetings per year of IFAA Exec.

- Requested a brief report by FIPS by the end of March for executive.
- Plan to continue with single meeting per year

Next meeting – planned around the 111th Annual Meeting of Anatomische Gesellschaft at Göttingen: **September, 21st-24th 2016**

- **General items**

- Written reports should be forwarded for next meeting.
- Option to have strategy for IFAA
- Chairs of FIPS to have strategic plans in place by February 2016
- The cost of getting external consultant prohibitive, and we are involved in strategic directions at each of our council meetings
- Potential to bring together societies strategic plans (obviously only those open parts) to facilitate societies, and potential for coordination

Meeting closed at 1.15pm

Items for the Attention of Member Societies: September 2015



INTERNATIONAL FEDERATION
OF ASSOCIATIONS OF ANATOMISTS

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02.11.2015

International Federation of Associations of Anatomists (IFAA)

Items for the attention of Member Societies from the IFAA Executive Committee meeting held in Istanbul, September 2015

At the first meeting of the new IFAA Executive Committee, a number of important issues were raised. It was agreed that two of these matters should be directed to member societies for an immediate **referendum**, as the items are linked to the Constitution of the IFAA. As the General Assembly and all voting Societies will only meet again in 2019 at the next IFAA Congress, and in order for the IFAA to move forward constantly and keep abreast of matters, we wish to ask member societies to consider and vote on the following two items immediately, so that there is no delay to the functioning of the IFAA. The following item in the Constitution allows for such a referendum:

Article 8: 4. The representatives may be contacted by the Secretary-General, acting on behalf of the Executive Committee, to vote on policy issues, including Constitutional matters (in line with Article 29). In such cases, the representatives are required to consult with their Association in order to decide its vote.

1. Vote of members

One of the questions posed to the IFAA Executive by a large member society was **whether both representatives of a society have to vote for the same candidate for election to executive council positions?** This query relates to Article 8:2 of the Constitution which states:

Article 8: 2

At the General Assembly, each Association shall have either one or two votes. Decisions concerning the number of votes allocated to a particular Association is made by the Executive Committee (confirmed by the General Assembly (if needs be, ad referendum) and will be based primarily upon the size of the membership of the Association.

The Constitution of the IFAA holds that large societies (ie. those societies composed of large



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IFAA Referendum on 2 items within the Constitution: November 2015

Please complete this form by placing a tick in one of the two columns.

Ballot:

Item	Agree	Do not Agree
1. Large member societies should be allowed to split their votes for IFAA matters		
2a. New/renewal societies could be admitted to the IFAA at any time and would receive provisional acceptance until ratification at the next IFAA General Assembly		
2b. New/renewal societies could nominate members for the next General Assembly of the IFAA. (However, these nominations would only go forward if the societies membership was first confirmed by the IFAA General Assembly)		



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Member Society:(please add name of Society)

Name of member completing referendum form:.....

Signature of above member:.....

Email address:.....

Name of President of the Society:.....

Signature of President of Society:.....

We attest that the Executive/Council of our Society has discussed the above matters and agreed
to the completion of this form.....Yes/No

Please return this ballot by **December, 31st** to Professor Friedrich Paulsen, Secretary General of
the IFAA.

Email: friedrich.paulsen@fau.de



INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS

Federative International Program for Anatomical Terminology (FIPAT)

Communicating Anatomy– enhancing the value of an official terminology

The **International Federation of Associations of Anatomists [IFAA]** is the world body of Anatomy. It was founded in 1903 and its membership comprises anatomical societies and associations worldwide. It represents and coordinates all aspects of anatomy and the anatomical sciences.

It has six major fields of activity: Ethics and Humanities, Research, Education, Supranational Projects, Scientific Publications and Terminology. This article deals with the last of these.

Terminology

FIPAT, the Federative International Programme for Anatomical Terminology, encompasses the official international standard set of human anatomical terminologies.

FIPAT STRUCTURE

FIPAT systematises and organises anatomical terminology through several *Sections*: Anatomy [*Terminologia Anatomica* (TA)], Histology [*Terminologia Histologica* (TH)], Embryology [*Terminologia Embryologica* (TE)], Neuroanatomy [*Terminologia Neuroanatomica* (TNA)], Anthropology [*Terminologia Anthropologica* (TAnth)], Odontology [*Terminologia Odontologica* (TO)], Oral anatomy [*Terminologia orobiologica* (TOroanat)]

In recent times there has been considerable emphasis on Informatics, currently operating mainly in the area covered by *Terminologia Anatomica*. There is also a Latin Subcommittee. Currently, the FIPAT organisation is overseen by a Chair, Secretary and Deputy Secretary. Each *Section* is operated by a dedicated Working Group, consisting of a co-ordinator and up to 5 Advisors and a flexible number of Consultants. A Consultant provides expert input on a specific topic. The role which each plays can vary greatly, depending on the type of input required.

INTERNATIONAL NATURE OF FIPAT

The Societies and Associations comprising the IFAA are by definition worldwide. The international membership of the FIPAT section groups reflects this ethos, which applies to co-ordinators, advisors and consultants. For instance, participation from China at and since

the Beijing meeting in 2014 is to be greatly welcomed, as is the recent publication of a Russian translation of TE, as well as Russian participation in the revision of TE and in the establishment of Terminologia Orobologica. South American participation is currently undergoing development.

BACKGROUND

The history of anatomical terminology is, unsurprisingly, highly complex, extending back for several thousand years, and will not be dealt with here except to say that the FICAT/FIPAT terminologies are the most recent components of a long series of publications descending from *Nomina Anatomica*, the first edition of which appeared in 1895. Up to now FIPAT publications and those of its predecessor FICAT [FCAT] were in book form, with the consequent constraints on circulation, flexibility and speed of responsiveness to new developments. *Terminologia Anatomica* (TA), *Terminologia Histologica* (TH) and *Terminologia Embryologica* (TE) have been published in this format, in 1998, 2008 and 2013, respectively (Fig. 1). Henceforth however, the publications will be web-based.

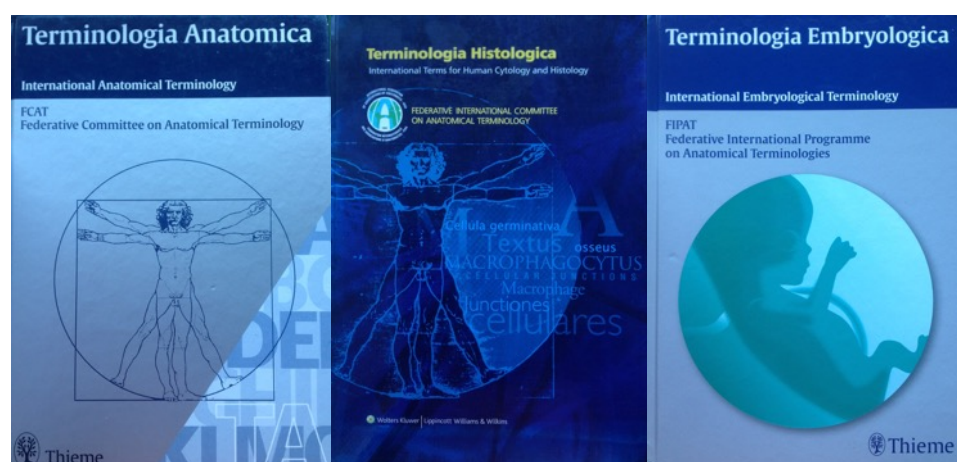


Fig. 1 The most recent FICAT/FIPAT publications, (a) *Terminologia Anatomica* (1998), (b) *Terminologia Histologica* (2008) and (c) *Terminologia Embryologica* (2013)

Each of these publications was structured to enable easy interpretation. It begins with a Preface, setting out the objectives and explaining the format and the hierarchy, etc., and a User Guide to ensure unequivocal interpretation. Following these, the main sequence of each document, consisting of the terms, was arranged in three columns (Fig. 2). For each entity these comprised the official term(s) in Latin, the English equivalent(s), and a unique identifier. The latter was an elegant, decimalised system of up to 7 levels, indicating the hierarchy and relativity of each term in its particular context. Each had a Latin and an English index. Footnotes were included and were particularly numerous in TE. The

publications were edited on a continuing basis. However, consequent to the nature of the book format with its long lead-in times, the pace of modification and publication was inevitably held back.

Unique identifier	Latin term(s)	English term(s)
E4.0.4.4.0.1	<u>Ossificatio endochondralis diaphysialis¹⁴⁴</u>	<u>Endochondral ossification in diaphysis</u>
E4.0.4.4.0.2	<u>Extensio gemmae osteogenicae per canalem erosionis in primordium cartilagineum</u>	<u>Spread of osteogenic bud through erosion canal into cartilage model</u>
E4.0.4.4.0.3	<u>Centrum primarium ossificationis; Centrum diaphysiale ossificationis</u>	<u>Primary ossification centre; Diaphysial ossification centre^A</u>
E4.0.4.4.0.4	<u>Nucleus osteogenicus primarius</u>	<u>Primary osteogenic nucleus</u>
E4.0.4.4.0.5	<u>Cavitas medullaris primaria</u>	<u>Primary medullary cavity</u>
E4.0.4.4.5.0.1	<u>Ossificatio endochondralis epiphysialis¹⁴⁴</u>	<u>Endochondral ossification in epiphysis</u>
E4.0.4.4.5.0.2	<u>Cartilago epiphysialis¹⁴⁴</u>	<u>Epiphysial cartilage</u>
E4.0.4.4.5.0.3	<u>Zona quiescens</u>	<u>Resting zone; Quiescent zone</u>
E4.0.4.4.5.0.4	<u>Zona proliferationis</u>	<u>Proliferation zone</u>
E4.0.4.4.5.0.5	<u>Columella chondrocytorum</u>	<u>Chondrocyte column</u>
E4.0.4.4.5.0.6	<u>Zona hypertrophica</u>	<u>Hypertrophic zone</u>
E4.0.4.4.5.0.7	<u>Chondrocytus hypertrophicus</u>	<u>Hypertrophic chondrocyte</u>

Notes:

1. UK English is used. The superscript ^A indicates that there is an alternative American spelling. A key to the types of American spelling was provided in the User Guide
2. Superscripts refer to the numerous Footnotes

Fig. 2 Example of the typical 3-column layout of the most recent FICAT/FIPAT book publications

POLICY

FIPAT – standpoint

Anatomical terminology provides the basic vocabulary at the very core of the health sciences. FIPAT constitutes a high-level terminology which contains the official international standard set of human anatomical terminologies. It provides a comprehensive biomedical anatomical terminology, which is relevant across the health sciences. Its value extends beyond these, to education, to writers (scientific and journalistic) and to the public. FIPAT provides a rigorous, precise common vocabulary, which is simple to use and encompasses pure and applied [clinical and basic scientific] aspects of Anatomy. This is fundamental to unequivocal communication within and between disciplines.

Accordingly, the FIPAT terminologies need to be flexible in order to achieve continual refinement and to take account of new developments. Factors which need to be taken into account include: the continual generation of new terms in areas of clinical practice and of anatomical science such as embryology and neuroscience. Furthermore, a given entity may have different names in TA or TNA and in a particular clinical discipline [*terminological drift*]. In addition, entities unnamed in FIPAT may have been given terms in clinical fields such as radiology/imaging, neurosurgery and vascular surgery. Corresponding challenges arise for TE in relation to areas such as *in vitro* fertilisation, stem cell biology, neuroscience and congenital anomalies. In addition, there are commonly synonyms for a particular entity. This difficulty can be resolved through prioritisation. FIPAT is undergoing revision and reorganisation in order to resolve these challenges.

FIPAT aims to encompass both anatomical and clinical anatomical terms. Many *Clinical Anatomical Terms* apply to entities named in clinical disciplines but not included in the FIPAT Terminologies. One of the challenges facing FIPAT is to resolve this inconsistency.

FIPAT terminologies are not fully comprehensive. [This is the *incompleteness problem*; no system of ontologies is ever complete. The bigger it is the less likely is this to be so.] A continuing objective is to minimise this.

LATIN

Every official FIPAT term is in Latin. The Latin term provides the focal reference point which enables unequivocal communication and provides the key link for translation into any vernacular. It has the major advantage of being apolitical. Translations have been made into, for example, Russian, Portuguese and Chinese. Every term is in the singular [except where it heads a list] and consists of the minimum number of words.

Because of the central importance of Latin for FIPAT, a Latin Subcommittee was set up in 2015. This extends across all FIPAT sections. It has a specific brief to aid the individual sections and working groups in relation to all aspects of Latin translation. Its role entails reviewing all FIPAT documents and considering specific issues, so as to provide accurate usage. This ensures a common and consistent approach across the terminologies.

Whereas standardised English is extending widely and becoming the *lingua franca* of biomedical science, account must be taken of the fact that clinical practice still uses, and will continue to use, national or regional languages. Hence the value of having Latin as the pivotal reference term. The FIPAT format is designed to facilitate translation into vernacular languages that use anatomy as the basis of their medical training and practice.

DEVELOPMENTS and INITIATIVES

FIPAT operation and protocol

To be truly relevant, a terminology needs be capable of undergoing continual refinement to enhance precision and to systematise and codify new advances so that it can be easily kept up to date. It will therefore reflect changes in terminology in close to real time, thereby

circumventing the long lead-in times implicit in the book format. The new FIPAT protocol is designed to ensure this.

Whereas most FIPAT work takes place via email and the internet, face-to-face meetings every 2 years are valuable, especially in relation to strategic matters. The key functioning components are the Working Groups [WGs], which cover the FIPAT sections [see above]. These operate according to a strict protocol that enables effective communication within and between them. This ensures that all draft documents are scrutinised and validated by the full FIPAT membership. After validation by the IFAA Executive, the document is placed on the open version of the FIPAT website as the official IFAA/FIPAT terminology.

Website availability enables continuing feedback from individuals, societies and through publications. This effectively constitutes a discussion forum. This will extend to the anatomical community worldwide, and indeed to all health sciences, especially those for which anatomy is central, as well as to scientists, educators journalists and the general public. The FIPAT terminologies will therefore be continually modifiable and so will take full account of contemporary developments in terminology.

Recent updates of the Terminologies

Several developments were planned at the first FIPAT meeting in Beijing in 2014, and reviewed at the second meeting in Istanbul in 2015 (see Fig. 4), with the aim of placing revised versions of the terminologies on the open part of the FIPAT website in spring 2016. These include:

Terminologia Anatomica: This was updated by the Clinical and General Anatomy [CGA] working group, particular emphasis having been given to expanding the content of clinical anatomical terms. While many of these had been in TA already, the introduction of additional items enhances the relevance of FIPAT for the clinical community [see below]. Extensive modifications were made in, for example, cardiac terminology, based on the position of structures in the adult heart. The neuroanatomical and sensory organ components were modified in strict accordance with Terminologia Neuroanatomica [see below].

Terminologia Embryologica: All sections were extensively updated and expanded. The order of the sections was revised. The hierarchy of terms was retained from the 2013

publication. Also, previously omitted terms were added. Syndromes are not, by and large, anatomical terms, but their component anomalies commonly are, and so these were included, as was reference to eponyms. Classes of new terms introduced included many applying to congenital anomalies [the principal clinical component of TE], the developing CNS [this section was extensively revised, both in the light of recent advances in molecular neuroscience and through the addition of new terms], entities from the stem cell field, and terms omitted from the printed version of TE.

Terminologia Neuroanatomica: This was developed as a modification of the CNS, PNS and sensory organ [Organa Sensuum] sections of TA. These underwent major revision, also in response to recent advances in molecular neuroscience as well as through addition of substantial numbers of revised and new terms, as well as terms which had previously been omitted. They were combined into three main files (TNA – CNS, TNA - PNS and Organa Sensuum). The relevant anatomical and histological terms were merged. These documents currently stand alone. Their elements, including the blood supply to the CNS, are also to constitute verbatim components of TA.

Terminologia Histologica: A list of changes is being worked on by the TH working group. The revised version is to be compatible with TA, possibly in anticipation of a merger of the two. TH could also continue as a stand alone database, as for TNA.

Terminologia Anthropologica and **Terminologia Odontologica:** Both documents were compiled during the course of 2013 and the beginning of 2014 and were placed on the FIPAT Website for feedback and input from specialists.

Terminologia Orobiologica: This was established in Beijing as a new Terminology. It deals with the oral cavity and is aimed at oral biologists and the dental profession. It is currently under active development. In the first instance it is dealing with terms relating to the anatomy, histology and development of the oral cavity [i.e. to initially develop a *Terminologia Oroanatomica*].

Informatics working group [WGInfo]: The Informatics area, as for TA, TE and TNA, is currently undergoing particularly active development. A draft of a new TA hierarchical tree has been posted, and is currently being developed on the Restricted Zone of FIPAT

(Fribourg) website. It is valuable to complement the FIPAT website and those of others, such as that of AnatomicalTerms.Info [ATI]. Periodic teleconferences have also been organised by the American Association of Clinical Anatomists with the Clinical Anatomical Terminology group, in order to assess the value of collaborative (FIPAT and ATI/AACA-CAT) development of databases.

The revised and reformatted TA, TE and the new TNA sections are now in the FIPAT DropBox in the Private Zone of the Fribourg website, to serve as a platform for interaction with the IFAA member societies [see below]. To facilitate this, each section has been divided into a number of chapters.

Revised FIPAT documents format

A significant difficulty has always stemmed from the existence of multiple terms for some given entities. In going some way to circumvent this, FIPAT documents are to be reconstituted in 6 columns, replacing the three which have existed to date. This arrangement will enable unequivocal identification of the official Latin and English terms, and of common synonyms in both English and Latin, as well as identification of Eponyms. The following is the revised format (Fig. 3):

1 Official term | 2 Latin synonyms | 3 UK English equivalent | 4 American English equivalent
| 5 English Synonyms | 6 Others |

1 Official Term is unique and consists of *two components*, a unique identifier - an automatically attributed digital unique identifier and a Latin word or expression.

2 Latin synonyms

3, 4 Unique UK and American English equivalents.

5 English Synonyms

6 Others: Several types of item may be stored in this column, e.g., Eponyms, older names from Nomina Anatomica, footnotes, references, etc.

→ Supplementary columns may be added *ad libitum* to deal with other languages. They will form linguistic triplets: unique Language equivalent | Language Synonyms | Language "Others"

Latin term	Latin synonym	UK English	American English	English synonym	Other
<u>Ossificatio endochondralis</u>		Endochondral ossification in	Endochondral ossification in		
<u>diaphysialis</u>		diaphysis	diaphysis		
Extensio gemmae osteogenicae per canalem erosionis in primordium cartilagineum		Spread of osteogenic bud through erosion canal into cartilage model	Spread of osteogenic bud through erosion canal into cartilage model		
Centrum primarium ossificationis	Centrum diaphysiale ossificationis	Primary ossification centre	Primary ossification centre	Diaphyseal ossification centre Diaphyseal ossification center	
Nucleus osteogenicus primarius		Primary osteogenic nucleus	Primary osteogenic nucleus		
Cavitas medullaris primaria		Primary medullary cavity	Primary medullary cavity		
<u>Ossificatio endochondralis</u>		Endochondral ossification in	Endochondral ossification in		
<u>epiphysialis</u>		epiphysis	epiphysis		
Cartilago epiphysialis		Epiphysal cartilage	Epiphysal cartilage		
Zona quiescens		Resting zone	Resting zone	Quiescent zone	
Zona proliferantis		Proliferation zone	Proliferation zone		
Columella chondrocytorum		Chondrocyte column	Chondrocyte column		
Zona hypertrophica		Hypertrophic zone	Hypertrophic zone		
Chondrocytus hypertrophicus		Hypertrophic chondrocyte	Hypertrophic chondrocyte		

Notes:

1. Both UK and American English are used.
2. There are numerous Endnotes
3. The final column includes occasional notes and eponyms

Fig. 3 Example of the new 6-column layout to be followed in future FIPAT web publications in the pdf format

Regarding the *unique identifier*, the elegance of the decimalised system used previously was ideally suited to the book form, which was unchanging over a long period. However, since TE and the other FIPAT terminologies are to be amenable to continual modification, any ongoing modifications would have necessitated major, complex revisions of the previous identifier system. In future, the unique identifier for each term will consist of a simple, randomly generated sequence of digits, with a component indicating its location in its parent Terminologia.

Term categories

Consistent with the new, flexible nature of FIPAT, and in order to facilitate continual updating, a set of Term Categories was drawn up: *Official term*, consisting of 2 unique parts, an automatically attributed *identification number* combined with the *Latin name*; *Synonyms* in Latin and equivalents in other languages; *Related terms*; *Candidate term* - a unique Latin name for an entity, either as a replacement for a previously named entity or for an entity being proposed for recognition. This formalises the pre-existing FIPAT practice.

CURRENT OBJECTIVES AND ACTIONS

A central aim is to have all of the FIPAT documents available on the open space of the FIPAT website so as to enable interaction with all interested groups [see above].

The first phase is to have Terminologia Anatomica [TA], Terminologia Embryologica [TE] and Terminologia Neuroanatomica [TNA] uploaded in the spring of 2016. After that, they will be available for continual iteration by the working groups, in response to external interaction and developments in terminology. To achieve this, the FIPAT Secretary has opened a DropBox account. He has contacted the Member Societies of IFAA, to announce the initiation of a Terminology Reviewing Procedure. This is specifically to enable member societies to access the draft documents in the DropBox to comment and provide feedback.

Responses are requested by 31st January 2016. To ensure consistency across the terminologies, the Secretary is unifying the new documents into similarly formatted PDF files where necessary. Final validation of feedback changes by FIPAT is scheduled to be completed before 31st March 2016. The final documents will then be forwarded to the IFAA Executive Committee for ratification and placement on the open part of the FIPAT website. To facilitate all of these functions, to render them more efficient and user-friendly, and to encourage interaction with the Societies and their members, the FIPAT website is being extensively and substantially upgraded. Full details of the developments will be made available in the near future.

A significant objective in FIPAT development is that the WGs would collaborate with specific sets of clinicians, embryologists and neuroscientists *seriatim*, in order to identify and propose the addition of judiciously evaluated and selected clinical anatomical and scientific terms to the appropriate sections of the documents. It is very important to facilitate successful participation by keeping workloads at a reasonable and easily manageable level.

AWARENESS and PUBLICITY - to enhance the profile of FIPAT

The worldwide Health sciences community, clinicians, scientists and educators will be made aware of the new, flexible, iterative nature of the FIPAT terminologies. Appropriate publicity mechanisms will include articles in anatomical, educational and clinical journals; establishing dialogues with Professional Colleges and Boards, e.g., Radiology/Imaging, Surgery and Neurology, as well as the WHO; informing Anatomical and other relevant Societies; establishing dialogue with educators to underline the potential resource value of the Terminologies in providing a comprehensive basis for learning, training and communication.

CONCLUSIONS

The changes outlined above will facilitate achievement of the objective set out at the General Assembly of the World Congress of Anatomy, held in Rio de Janeiro in 1989, namely, *To present the official terminology of the anatomical sciences after consultation with all the members of the International Federation of Associations of Anatomists, thus ensuring a democratic input into the terminology.*

ACKNOWLEDGEMENTS

I thank the FIPAT Secretary, Pierre Sprumont, for his continuing commitment, support and advice over the past year. I also thank all FIPAT colleagues for their dedication and productivity. This is very encouraging for the future development, status and relevance of FIPAT.



Fig. 4 Members of FIPAT Section at Istanbul meeting.

Front row: Stephen Carmichael (USA), John Fraher [Chair] (Ireland), Beverley Kramer (South Africa), Pierre Sprumont (Switzerland);

Row 2: Thomas Gest (USA), Sergey Dydykin (Russia), Marios Loukas (Grenada, West Indies), Erdogan Sendemir (Turkey; observer), Robert Baud (Switzerland);

Row 3: Hans ten Donkelaar (Netherlands), David Kachlik (Czech Republic), Paul Gobée (Netherlands);

Row 4: Christof Viebahn (Germany), Maia Dgebuadze (Georgia; observer), Jorge Eduardo Duque Parra (Columbia; observer). Photograph: Mehmet Üzel (Turkey)

APPENDIX

FIPAT Officers

Chairman: Prof. John Fraher (Ireland); Secretary: Prof. Pierre Sprumont (Switzerland); Deputy Secretary: Prof. Paul Neumann (Canada).

FIPAT Coordinators and Advisors

Gross

Anatomy

Coordinator: Prof. Stephen Carmichael (USA). **Advisors:** Prof. Thomas Gest, secretary of the Working Group (USA), Prof. Diogo Pais (Portugal), Prof. Marios Loukas (Grenada, West Indies), Prof. Chao Ma (China), Prof. Shane Tubbs (USA), Prof. Changman Zhou (China).

Histology

Coordinator: Prof. Geoffrey Meyer (Australia). Advisors: Prof. Abraham Kierszenbaum (USA), Prof. Gunther Wennemuth (Germany).

Embryology

Coordinator: Prof. John Fraher (Ireland). Advisors: Prof. Bruce Carlson (USA), Prof. Darrell Evans (Australia), Prof. Christof Viebahn (Germany), Prof. Hans ten Donkelaar (Netherlands).

Neuroanatomy

Coordinator: Prof. Hans ten Donkelaar (Netherlands). **Advisors:** Prof. Jonas Broman (Sweden), Prof. Paul Neumann (Canada), Prof. Luis Puelles (Spain), Prof. Alessandro Riva (Italy), Prof. Shane Tubbs (USA).

Odontology/Anthropology

Coordinator: Prof. Beverley Kramer (South Africa). **Advisors:** Prof. Thomas Gest (USA), Prof. Frederick Grine (USA), Prof. Alastair Sloane (UK), Prof. Bernard Wood (USA).

Orobiology (Provisional title)

Coordinator: Prof. Bernard Moxham (UK). **Advisors:** Prof. George Dias (New Zealand), Prof. Lev Kolesnikov (Russia), Prof. Stephen McHanwell (UK), Prof. Lynne Opperman (USA).

Informatics

Subcommittee

Coordinator: Prof. Pierre Sprumont (Switzerland). **Advisors:** Prof. Robert Baud (Switzerland), Prof. Paul Gobée (Netherlands), Prof. David Kachlik (Czech Republic), Prof. Paul Neumann (Canada)

Latin

Subcommittee

Coordinator: Prof. John Fraher (Ireland). **Advisors:** Prof. Pierre Sprumont (Switzerland), Prof. Paul Neumann (Canada), Prof. Alessandro Riva (Italy), Dr. Jason Harris (Ireland).

John Fraher
Professor Emeritus of Anatomy
University College Cork
Ireland
Chair, FIPAT

Federative International Programme for Anatomical Education (FIPAE)

2015 Istanbul Report

1. In 2010, the new organization structure for FIPAE was approved by IFAA Executive Board. Dr. Wojciech Pawlina from Mayo Clinic, USA was elected Chair of the Committee and was re-elected for his second term at the 2014 IFAA meeting in Beijing. Committee has 3 subcommittees:
 - a. Curriculum/Topics coordinated by Prof Stephen McHanwell from Newcastle, UK.
 - b. Education techniques and Innovations coordinated by Prof Hee-Jin Kim from Seoul, Korea.
 - c. Faculty/Faculty development coordinated by Prof Jennifer McBride from Cleveland Clinic, USA.
 - d. Each committee has 3 representatives from various countries including Mexico, Germany, Singapore, Brazil, UK, Zambia, Turkey, Peoples' Republic of China, and Australia.
2. Coordinators of FIPAE subcommittees have established a few contacts with representatives of IFAA member societies. However working interactions are very difficult to establish and maintain; due to lack of education representatives (many societies are too small and do not have education committees), frequent personnel changes in societies leadership, as well as the different needs and goals of the societies.
3. As reported at the Beijing meeting, FIPAE developed a needs-assessment questionnaire and distributed to the education representative of the IFAA member societies (low response rate). Most of the associations had specific local needs that included access to education materials, lectures, examination questions, published papers on anatomical education topics, and need for examples of curricular structures from other countries. Some of these requests are difficult to provide due to copyright issues and intellectual property restrictions.
4. When a specific goal was applied (IFAA meeting in Beijing), FIPAE established fruitful collaboration with Chinese colleagues to develop a very successful education program for that meeting. During the meeting, the education sessions were the most attended sessions and were inclusive to encompass representatives from anatomical associations from different parts of the world.
5. Our continuous goals are to increase visibility of FIPAE at different anatomical meetings attended by committee members, and develop an education section (website) on the IFAA webpages with appropriate links to useful educational materials.

6. To assure active and productive work of the FIPAE committee, few personnel changes to the existing structure of the committee will be necessary in its second term. Individuals with strong credential willingness to work for the committee are being solicited at national/international anatomy meetings. A list of new potential members will be provided to the executive committee for final approval in 2016.
7. In consultation with Prof Moxham who published a position paper in the Anatomical Sciences Education, as well as recently published Head and Neck core curriculum paper in Clinical Anatomy, I am proposing to add a fourth standing subcommittee to FIPAE on core curriculum. IFAA would provide the venue for publishing core curricula in anatomical discipline on IFAA website. I would propose that Prof Moxham or a person designated by him to head all activities associated with the core curriculum. This subcommittee would report to the chair of FIPAE. This would create greater visibility for IFAA in general and spark the interest in obtaining core curricula direction for many anatomical sciences courses world-wide.

Wojciech Pawlina, M.D.
Secretary of IFAA/Chair of FIPAE
Professor of Anatomy and Medical Education
Mayo Clinic
Rochester

NEWS FROM MEMBER SOCIETIES

American Association of Anatomists

Annual Meeting at EB 2016

The Annual Meeting of the American Association of Anatomists will be held at Experimental Biology in San Diego from 2-5 April 2016. For more information:

<http://www.anatomy.org/annual-meeting-2016.html>



ASSA: Anatomical Society of Southern Africa

Obituary on a Great Friend and Colleague: Professor Willie Voster

It is with great sadness that we bid farewell to our beloved friend and colleague after his courageous struggle with cancer for just less than two years! Willie has passed away in the early morning hours of Sunday the 27th September 2015. His funeral was on Friday the 2nd October here in Windhoek. May your broken and battered body live on in eternal peace and happiness my friend.

Willie, as most of us had known him, was Head of the Anatomy Department in the School of Medicine at the University of Namibia since July 2010. He was therefore one of the founding members of this relatively young School of Medicine and the first Professor in Anatomy. Under his leadership he had established not only the most popular department in the school according to student reviews (over several years), but also the best managed and staffed department. This honour, which was highlighted by the Health Professions Council of Namibia on three internal audits, that were conducted over the past years. In their recommendations they used the Anatomy example as a template for all the other Departments to follow! During 2012 Willie and his small staff then, hosted a very successful and memorable ASSA conference in Windhoek! Also a first for this side of the border!

Willie started his career as a Physical Education teacher in 1970 in the then Eastern Cape. Two passions of his life that never left him were his ability to work with young people and his passion for sport, and in particular rugby!

He made a career move to become Senior Technical officer in Anatomy and Histology at the University of Stellenbosch in 1980. This enabled him to continue with his studies and to start an academic career. He obtained his Master's degree at the end of that year and then moved on to complete his PhD in 1989. Since then, Willie has devoted most of his career to

the advancement of knowledge in Anatomy and Embryology! He had done his Post-doctoral year in Tübingen, Germany and had worked at various tertiary institutions throughout South Africa before moving to Namibia. He later became Senior Lecturer in Anatomy at Pretoria University in 1990 and eventually decided to move back to Stellenbosch in 2001. That is where he stayed until he decided to relocate to Windhoek 2010.

Willie was always a very active member of ASSA and served on the Council and as Honorary Treasurer. He served on several International bodies of which the ISVM (International Society of Vertebrate Morphology) is but one. He presented at various National and International conferences and was an active researcher. A fact that is proven, with him obtaining more than ten research grants and more than fifty peer reviewed articles and abstracts on his publication list! His collaboration with Prof Hoogland and the Vrije University in Amsterdam and Leiden University, has seen almost fifty elective student projects to completion. No mean feat in anyone's book. One of the highlights of his career was when he attended the 2015 Annual Conference of ASSA earlier this year in Paris.

Here he was the recipient of the Distinguished Member Award! Already terminally ill by then, he was completely taken by surprise when they bestowed this honour on him! Another proof of how humble he was throughout his life!



Fig. The president of ASSA, Prof. Maryna Steyn (left), at the Gala Dinner with Prof. Willie Vorster (right)

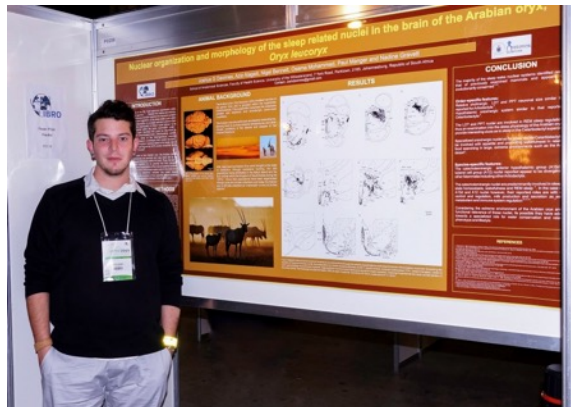
We all came to know and love Willie for his great sense of humour, quick mind and the ability to seek the lighter side of life! He very seldom (if ever?) lost his temper and was always extremely polite; even to his biggest enemy! He never complained, and to that I bare witness! After his extended battle with cancer and when it was already evident that there was no return, he remained positive and inquisitive about how things are progressing at work and politely apologising for not being able to be there!

Our thoughts and prayers go out to Albi (his wife of 45 years!) and family members. But, Willie, know for a fact that you will never be forgotten and will live on in the memories of everyone that had the privilege of crossing paths with you! Rest in peace my friend!

Prof. J.H.T. Smit
University of Namibia

Prize awarded to ASSA student member at the 9th International Brain Research Organization (IBRO) World Congress

Mr. Joshua Davimes, from the School of Anatomical Sciences, University of the Witwatersrand and student member of the Anatomical Society of Southern Africa (ASSA) recently traveled to Rio de Janeiro, Brazil to attend the 9th International Brain Research Organization (IBRO) World Congress. This congress is held every four years and includes multiple themes related to neuroscience research. Mr. Davimes presented a poster entitled "Nuclear organization and morphology of the sleep related nuclei in the brain of the Arabian oryx, *Oryx leucoryx*". His presentation was well received and he was awarded the IBRO Alumni Best Poster Prize at the closing ceremony of the congress.



Mr. J. Davimes at his poster presented during the international conference

Korean Association of Anatomy

65th Congress of the KAA

The 65th congress of KAA was held from 14th to 16th October, 2015, at Korea University, Seoul. Prof. Wang-Jae Lee has been newly elected as the President of the association. He works at the lab of immunology and Vitamin C, Department of Anatomy, Seoul National University College of Medicine, Seoul. His term of service is two years until Oct, 2017.



Professor Wand-Jae Lee
President of KAA

Conference Picture taken at Seoul National University



7th Asia Pacific International Congress of Anatomists



Message from the Organizing Chairman

Dear Colleagues,

The 7th Asia Pacific International Congress of Anatomists will be held at the National University of Singapore, Singapore from 17th - 20th March 2016.

There will be invited talks by many Regional and International Experts in Human Anatomy, and sessions will cover Anatomy Education, Technology in Anatomy, Clinical Anatomy, Surgical Anatomy, Neuroanatomy and Neuroscience, Microscopy, Cell Biology as well as other relevant areas.

Singapore is a vibrant and multi-cultural city with ultra modern facilities and high standard of living and healthcare with many recreational facilities and international cuisine.

I invite you all to attend this conference and enjoy scientifically and socially.

Prof P. Gopalakrishnakone
Organizing Chairman

Congress Themes

Gross anatomy	Teaching Anatomy for Residents & Trainees
Clinical Anatomy	Virtual Reality in Teaching Anatomy
Surgical Anatomy	3D Modelling of Human body
Radiological Anatomy	Neuroanatomy and Neuroscience
Anatomy Curriculum	Embryology Relevant to Medicine
Information Technology	Histology for Medicine
Simulation in Teaching Anatomy and Surgery	Microscopy and Techniques
Assessment in Anatomy	3D Printing and Human Anatomy
Forensic Anatomy	Plastination, Methods and Uses
Anthropological Anatomy	Anatomy Museums
Body Donation for Medical Teaching	History of Anatomical Teaching and Publication
Body Donation for Medical Research	Evolution and Human Health
Organ Donation for Teaching and Research	Anatomy and Pathology

7th Asia Pacific International Congress of Anatomists

17 - 20 MARCH 2016 • SINGAPORE

Contact Information

Congress Chairman	Congress Secretariat
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Important Dates

Abstract Submission Deadline	15 November 2015
Notification of Acceptance/Rejection	30 November 2015
Early Registration Closes	15 December 2015
Standard Registration Closes	30 December 2015

8th International Symposium of Clinical and Applied Anatomy (ISCAA)

Dear Colleagues, Friends, prospective Participants, and Guests!

Happy New Year!

On behalf of the Organizing Committee, the Department of Anatomy, Histology and Embryology, Semmelweis University and the Hungarian Anatomical Society, it is our most sincere pleasure to cordially invite you to participate in the **8th International Symposium of Clinical and Applied Anatomy**, held between **September 1-3, 2016 in Budapest, Hungary**. Following the inevitable success of the last meeting, held in Bratislava, we will do our best to entertain you both from a scientific and social point of view.

Budapest, the Hungarian capital, is one of most beautiful cities in the world, rich in history, art and music. The hilly Buda side, with its Castle and the Citadelle, offers magnificent views over the Danube and the bridges connecting Buda to Pest. This place will enchant you with a sparkling city centre, green parks and romantic church spires. One of the most exciting destinations in Europe, Budapest is full of secrets to uncover, hidden spots to explore and lavish spas for a healthy relaxation.

ISCAA symposia are famous for their high standard of scientific merit together with a specifically friendly atmosphere, where our young colleagues may introduce their work and participate in fruitful discussions. The participation of early career scholars and postgraduate research scientists is therefore strongly encouraged.

We hope that the symposium will serve with a great opportunity to meet with friends and to get to know each other better. Our ultimate goal is to help forming new relationships beside strengthening the already existing collaborations.

Contributions are welcome on any aspect of human or veterinarian morphological sciences, including Anatomy, Histology, Embryology, Teaching, Molecular Biology and Genetics, Neurosciences, Dentistry and Maxillofacial Anatomy, Imaging and Surgical Anatomy, Sport Sciences, Comparative Anatomy, History of Anatomy, Histology and Embryology, Varia. In order to assess the number of prospective participants a '*doodle table*' has been set up.

Please, visit the link <http://doodle.com/poll/mcv3iamci92w3i7h> and sign up for the conference if you are interested in participating. Thank you very much in advance!

We are looking forward to seeing you in Budapest!

Dr. Andrea D Székely
President of the
Organising Committee

Prof. Dr. Ágoston Szél
Congress President

Prof. Dr. Péter Sótónyi
President of the
Hungarian Anatomical
Society

8th International Symposium of Clinical and Applied Anatomy (ISCAA)

1-3 September 2016, Budapest, Hungary

Organizing Committee

Andrea D Székely (Chair, Budapest)
Gábor Gerber (Budapest)
Ágnes Nemeskéri (Budapest)
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Susana Biasutto (Buenos Aires, Argentina)
Ivan Varga (Bratislava, Slovakia)

Invited Speakers - Members of the ISCAA Board

Nihal Apaydin (Ankara, Turkey)
Václav Báča (Jihlava, Czech Republic)
Ayhan Cömert (Ankara, Turkey)
Mirela Erić (Novi Sad, Serbia)
Georg Feigl (Graz, Austria)
Quentin Fogg (Melbourne, Australia)
David Kachlík (Praha, Czech Republic)
Trifon Totlis (Thessaloniki, Greece)

Topics

1. Anatomy and Histology
2. Embryology
3. Molecular Biology and Genetics
4. Neurosciences
5. Dentistry and Maxillofacial Anatomy
6. Imaging and Surgical Anatomy
7. Sport Sciences
8. Comparative Anatomy
9. History of Anatomy, Histology and Embryology
10. Varia

Plenary Lecturers

1. Fabrice Duparc
2. Martin Wild
3. Wojciech Pawlina

Delegates

Basic scientists, clinical anatomists, physicians and clinical researchers involved in the diagnosis and treatment of internal, surgical, neurological, gynecological diseases and disorders, radiologists, pediatricians, otorhinolaryngologists, pathologists, nutritionists, geneticists, molecular biologists, public health specialists, general practitioners, sports scientists and all other healthcare professionals.

Dates for your diary

1 March 2016 Registration and abstract submission opens
20 May 2016 Close of early bird registration and abstract submission
17 June 2016 Confirmation of acceptance of abstracts

REGISTRATION FEE (VAT included)	Before 20 May, 2016	After 20 May, 2016	After 15 August, 2016
Participant	EUR 300 <input type="checkbox"/>	EUR 350 <input type="checkbox"/>	EUR 400 <input type="checkbox"/>
Student/PhD student (confirmation of student status is needed from your institute)	EUR 200 <input type="checkbox"/>	EUR 250 <input type="checkbox"/>	EUR 300 <input type="checkbox"/>

CALENDAR OF MEETINGS

2016

17-20 March 2016

APICA: Asia Pacific International Congress of Anatomists
Singapore

2-5 April 2016

AAA at EB: American Association of Anatomists at Experimental Biology
San Diego

13-17 June 2016

AACA: American Association of Clinical Anatomists
Oakland, California

11-12 August 2016

ICMMA 2016: 18th International Conference on Microscopic and Macroscopic Anatomy
Barcelona, Spain

11-13 August 2016

ICAP: International Conference on Anatomy and Physiology
Birmingham, UK

1-3 September 2016

ISCAA: 8th International Symposium of Clinical and Applied Anatomy
Budapest, Hungary

21-24 September 2016

Annual meeting of Anatomische Gesellschaft.
Gottingen, Germany

December 2016

ANZACA: Anatomical Society of Australia and New Zealand
Canberra, Australia

2019

September 2019

XIX Congress of the IFAA
Istanbul, Turkey

**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 emails us the journal details for inclusion in subsequent issues

- **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**
Editor-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>

Clinical Anatomy is happy to announce the publication of its first Special Issue of 2016. In this issue (Volume 29, Number 1), devoted to the Ethics of Anatomy, Dr. Gareth Jones from Otago University has brought together a group of world experts in the field. Topics include best practices for body donations, ethical perspectives on for-profit body donation companies, the use of images from cadavers, and public displays of plastinated cadavers. These articles and more can be found at the following website:

<http://onlinelibrary.wiley.com/doi/10.1002/ca.v29.1/issuetoc>.

The editors of *Clinical Anatomy* look forward to your comments!

Shane Tubbs

Editor-in-Chief *Clinical Anatomy*

- **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>

- **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 events and issues covered by the IFAA and its member Societies.

Contributions will be gratefully accepted. Please submit all information by email to the Editors:

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