

FAOPS NEWSLETTER

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President's note

“Physiology is the key element in contemporary biomedical research”. This notion was once again consolidated in the 37th IUPS Congress recently held in Birmingham, UK. In his welcoming address, Dr. Dennis Noble, President of IUPS, reiterated that interpretation of functions at all biological levels is essential to understanding the vast amount of data that has emerged from sequencing genomes, cataloguing proteins and their actions, unraveling biochemical networks and discovering the often unexpected facts about life. This essence of physiology was majestically illustrated in the Congress through keynote and plenary lectures, symposia, poster communications, and other activities. I am delighted to learn that more than 200 scientists, graduate students and delegates from the FAOPS member societies took part in this Congress. I am also very pleased to report that physiologists from our member societies in Australia, Indonesia, Japan, Pakistan, and Sri Lanka play active roles in IUPS Teaching Workshop organized in conjunction with the Congress. In addition, this is the first time when scientists from Myanmar and North Korea attended the IUPS Congress. All these indicated the significant contributions from FAOPS and the Asian and Oceanian region to the success of the IUPS Congress.



The first 15th FAOPS Council Meeting was held on July 24, 2013 in Birmingham, UK. Four officers, including Byung Rim Park (Korea, 1st Vice President), Chumpol Pholpramool (Thailand, 2nd Vice President) Anuwat Dinudom (representing David Cook, Australia, Treasurer); Secretary General, Harbindar Jeet Singh (Malaysia); two council members, Arif Siddiqui (Pakistan) and Xiao-Min Wang (China), as well as the Editor of FAOPS Newsletter, Saeed Semnianian (Iran), were in attendance. During this meeting, conclusions were made on issues related to outstanding membership dues and membership status, support to regional scientific meetings, and the supporting membership. We also received feedback from Saeed

Semnianian on contents of the Newsletter, methods of distribution of the Newsletter to each member society, and archives of the Newsletter in the FAOPS website. The Chairman of the local organizing committee of the 8th FAOPS Congress, Chumpol Pholpramool, reported on the progress in preparation for the Congress to be held on November 22-25, 2015, in Bangkok, Thailand. The theme for this Congress is “**Translational Physiology: Imagination, Inspiration and Innovation**”. Call for symposia of the Congress was sent to each member society, and the deadline for proposal submission is December 31, 2013. I strongly encourage each member society to submit your proposal to the organizing committee (faops2015@yahoo.com or faops2015@hotmail.com). The meeting was concluded by a dinner gathering.

On behalf of the FAOPS Council and her member societies, I would like to offer our congratulations to the Chinese Association of Physiological Sciences (CAPS) for winning the bid to host the 39th IUPS Congress to be held in Beijing, China in 2021. FAOPS looks forward to working with the CAPS for the organization of the Congress.

Last but not least, my sincere gratitude to all contributors to this issue of FAOPS Newsletter. It is because of your efforts and enthusiasm that we are connected as a union to promote physiology in the Asian and Oceanian region and beyond.

Julie Y.H. Chan

The 15th President, FAOPS



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Event Report: Minutes of the 15th FAOPS Council Meeting

24 July 2013, ICC Birmingham



President: Julie YH Chan (Taiwan)
Past-President: Yasunobu Okada (Japan)
1st Vice-President: Byung Rim Park (Korea)
2nd Vice-President: Chumpol Pholpramool (Thailand)
Secretary: Harbindar Jeet Singh (Malaysia)
Treasurer: David Cook (Australia)
Council Members:
Arif Siddiqui (Pakistan)
Xiao-Min Wang (China)
G. Ilavazhagan (India)
Arie Moran (Israel)
Saleh Zahedi Asl (Iran)
Nipon Chattipakorn (Thailand)

Members present

Julie YH Chan (President- Taiwan)
Byung Rim Park (1st Vice-President - Korea)
Chumpol Pholpramool (2nd Vice- President- Thailand)
Harbindar Jeet Singh (Secretary-Malaysia)
Xiao-Min Wang (China)
Arif Siddiqui (Pakistan)
Saeed Semnanian (Iran)
Anuwat Dinudom (representing Treasurer - Prof David I Cook)

Members absent with apologies

Yasunobu Okada (President)
Arie Moran (Israel)
G. Ilavazhagan (India)
Saleh Zahedi Asl (Iran)
Nipon Chattipakorn (Thailand)

- Welcome address by the President:** The President and Chairman, Prof Julie Chan welcomed and thanked the members present and conveyed the apologies of members who were not able to attend the meeting.
- Confirmation of minutes of the 14th FAOPS Council Meeting:** Minutes of the 14th FAOPS Council Meeting, held on Sunday 11th of Sept 2011 in Taipei were confirmed.
Proposer: Prof Arif Siddiqui
Seconder: Chumpol Pholpramool
- Matters arising from the minutes of the 14th FAOPS Council Meeting:** As there were no matters arising from the minutes of the 14th Council Meeting the discussion proceeded to discuss the next item on the agenda
- Treasurer's report: Report from the Treasurer**
The Treasurer's report was presented by Assoc Prof Anuwat Dinudom on behalf of Prof David Cook covering the period between 1 Aug 2011 and 30 May 2013. The total income was reported as US\$ 24,513.18 and the expenses over the same period were US\$ 4,129.31. In addition a total of US\$ 2,000 had been committed for travel support to Chairman of the 8th FAOPS Congress (Chumpol Pholpramool) to the Birmingham meeting and another US\$ 1000 for the IMSPQ in Kuala Lumpur. For details, please refer to Appendix A attached.
The Treasurer's report was unanimously accepted.
- Outstanding membership dues and membership status:** Members were informed of the outstanding dues from the following member societies:
Federation of Indian Physiological Societies 2004-2013 (10 years)
The Iranian Physiological Society 2011-2013 (3 years)
The Chinese Association of Physiological Science 2013 (1 year)
The Malaysia Physiological Society 2011-2013 (3 years)
The Myanmar Physiological Society 2012-2013, (2 years)
The Pakistan Physiological Society 2012-2013 (2 years)
The treasurer informed the members that reminders had been sent to the member societies but he has not received any response so far. After extensive discussion it was



Event Report: Minutes of the 15th FAOPS Council Meeting

agreed that reminders be sent once again to the member societies requesting for settlement of the outstanding dues. It was also agreed that those societies whose payments have lapsed for 3 or more years be informed that the status of their membership might be revised to associate members should they fail to settle their outstanding dues by 31st Dec 2013.

- 6) **7th FAOPS Congress report:** A report on the 7th FAOPS Congress in Taipei 2011 was presented by the Organising Chairperson Prof Julie Chan.

In brief, a total of 747 participants from 35 countries (367 regular participants and 380 graduate students) attended the Congress. There was a total of 403 abstracts submitted (360 from overseas and 143 from local participants) for poster presentations. In addition there were 48 oral presentations, 28 of which were by recipients of the FAOPS young investigator awards. There were 4 plenary lectures, 16 special lectures, 15 symposia, 3 satellite symposia, 2 colloquia and 4 workshops.

The total income generated was USD 262,364.00 and the total expenditure was USD 263,850.00. There was a deficit of USD 1486 which was absorbed by the Chinese Physiological Society Taipei. (Please refer to Appendix B for more details)

The report was unanimously accepted by the Council members with a vote of thanks to the Organising Committee for the wonderful organisation of the Congress.

- 7) **Feedback on activities of the Education Committee – Prof Chumpol Pholpramool:** A draft proposal was presented by Prof Chumpol Pholpramool (Please see Appendix C). After some discussion it was agreed that the proposal be circulated to the council members who were not present at the meeting for their views and feedback.

- 8) **8th FAOPS Congress report:** A report of the progress of the 8th FAOPS Congress planned to be held on 22-25 Nov, 2015 in Bangkok was presented by Prof Chumpol Pholpramool (Appendix D). Members were informed that the planning has been progressing well and that the Congress shall be held in Bangkok. It was agreed that a site visit be made by the President and Secretary with support from FAOPS sometime in the middle of 2014. In addition, it was further agreed that FAOPS should provide a sum of USD 20,000 to the organisers, for use to provide support to young investigators and graduate students to participate at the Congress, after the completion of the site visit.

- 9) **Approval of supporting membership document:** Owing to shortage of time the proposal was not discussed. It was however agreed that the proposal be circulated to all council members for their feedback and confirmation.

- 10) **Newsletter – feedback from Prof Saeed Semnianian:** Prof Saeed Semnianian, Editor of the FAOPS Newsletter, informed the members present that the 19th issue of the newsletter was published in Dec 2012 and the 20th issue is due for completion soon. He also informed members that he does not have the contacts of webmasters of all the member socie-

ties and he worries that the newsletter might not reach all the individuals of the member societies. It was also agreed that a request be made to all member societies to have a hyperlink to FAOPS included in their website for ease of access to all members. Members were unanimous in their appreciation of the work put in by Prof Saeed Semnianian and his colleagues and would like to record their thanks for the effort.

- 11) **Support of regional/local scientific meetings:** It was unanimously agreed that the FAOPS should help provide as much support as possible for the activities of member societies but the magnitude of support that the FAOPS could provide will depend on the financial status of FAOPS, and that there is a need for some guidelines and more discussion on this. Owing to the pressure of time it was however agreed that this matter be left for further discussion in the next council meeting, but for now a sum of USD 1000.00 was agreed for support to 2013 IMSPQ in Kuala Lumpur.

- 12) **Call for bids for the 2023 meeting:** It was agreed that the President should write to all member societies inviting bids to host the 2023 FAOPS Congress. The bids shall be presented at the FAOPS Council Meeting and the General Assembly at the 2015 FAOPS Congress in Bangkok.

- 13) **Appointment of Nominating Committee for the next Council members (2015-2019):** The names of the following members were proposed and accepted
Prof Akimiki Kaneko (Japan)
Prof X L yang (China)
Prof David Cook (Australia)
Prof Saeed Semnianian (Iran)
Prof Cheah Swee Hung (Malaysia)

The president shall contact them for their consent and agreement.

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FAOPS Physiology Society: Chinese Association for Physiological Sciences (CAPS)

CAPS founder: Professor Robert Kho-Seng Lim



Professor Robert Kho-Seng Lim (Robert K.S. Lim, 1907-1969) was an outstanding physiologist with research interests in the gastrointestinal physiology and the neurophysiology of pain. He established Western physiology in China and was honored as the Father of Chinese modern physiology.

Professor Lim was born in Singapore (his ancestral home was Xiamen, Fujian province, China) and he moved to Edinburgh, UK when he was eight. In 1919, he graduated with a degree in medicine from the University of Edinburgh, where he subsequently earned a PhD program under the guidance of Professor Edward Sharpey-Shafer and then was recruited as a lecturer. In 1923, he was elected as a member of Royal Society of Edinburgh. The next year, Robert K.S. Lim joined in the team of A.J. Carlson at the University of Chicago, USA and did excellent works in research on the control of gastrointestinal secretion with Prof. A.C. Ivy.

In 1925, Professor Lim returned to his homeland and was appointed as the Head of the Department of Physiology in Peking Union Medical College (PUMC). From 1935 to 1937, as one of the three members in the leading group, Robert K.S. Lim served as the Dean of PUMC. During the followed 12 years he worked in PUMC. He founded the Chinese Physiological Society in PUMC in 1926, and started to publish the Chinese Journal of Physiology, which largely promoted the development of physiology in China in 1927.

In 1937, the Sino-Japanese War broke out. Robert K.S. Lim turned toward serving his country by organizing medical relief corps to meet the needs of China at the war. During the Anti-Japanese War (1937-1945), Robert K.S. Lim became a field director in the Chinese Red Cross Medical Relief Commission and built in

Guiyang, Guizhou Province the largest Medical Center in the war-time. After the Sino-Japanese war, Professor Lim rebuilt China's medical education and medical research, and was appointed to be the first President of the National Defense Medical College.

In 1949, Professor Lim left for the United States. After working briefly in Chicago and Omaha, he was invited by Miles Laboratories of Elkhart, Indiana to join its research team. Eventually, he was made Senior Research Fellow, and did the work on the neurophysiology of pain (1952-1967). On July 8, 1969, Professor Lim died of esophageal cancer in Jamaica at the age of 71.

In the academic career of Professor Lim, he has made remarkable achievements in the field of gastrointestinal physiology and pain physiology. From 1920 to 1936, Professor Lim and his colleagues published nearly 50 articles on gastrointestinal physiology in different Chinese national and international journals. His most important achievement was that fat intake inhibits gastric secretion via a putative hormone carried by the blood, which he named enterogastrone. Although it appears today that the inhibitory property of enterogastrone is only one of the properties of a number of polypeptides extractable from the intestinal mucosa, the hormonal mechanism described by Professor Lim has been indubitably recognized as a classic work with great significance. From 1956, Professor Lim has begun to work on the neurophysiology of pain and published about 20 articles on analgesia (1956-1969). He demonstrated that different from narcotic analgesics, such as morphine, which played analgesic effect centrally, aspirin worked as an analgesic peripherally by blocking the generation of impulses in the receptor endings of the afferent nerves mediating the sensation of pain. For his outstanding academic achievements, Robert K.S. Lim was elected as a foreign member of National Academy of Sciences, United States in 1942, and was elected a member in 1956.

Contribute your news!

Did your society host a conference or event?

Do you have a physiology meeting that would be of interest to other FAOPS members? The FAOPS e-newsletter is a perfect way to communicate your news with other members.

We are also interested in your suggestions for features or spotlights on research, on educational outreach, to be included in the FAOPS e-newsletter.

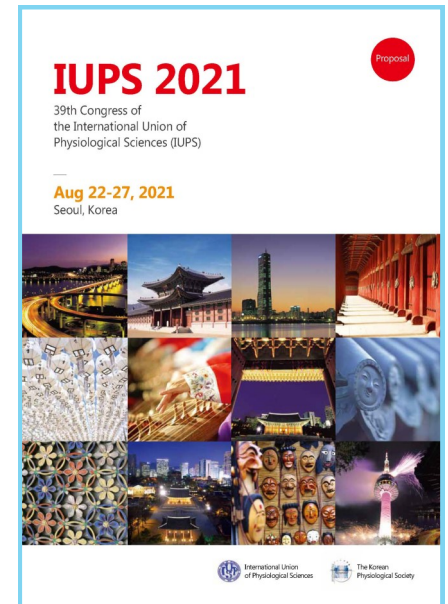
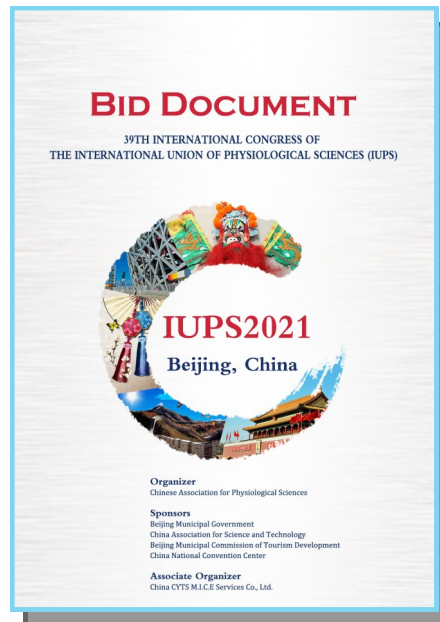
Submit an article – make sure to include photographs, if possible:

Submit news now.

The FAOPS e-newsletter publishes twice a year at December and June.



Successful Bid of CAPS for 39th Congress of IUPS



At the 37th congress of the International Union of Physiological Sciences (IUPS) held in Birmingham, UK, 19-26 July 2013, Chinese Association for Physiological Sciences (CAPS) won the bid to host the 39th congress of the International Union of Physiological Sciences.

The Chinese Association for Physiological Sciences (CAPS), initially known as the Chinese Physiological Society (CPS), was founded in 1926, a member of the Chinese Association for Science and Technology, is an academic society of Chinese professionals and students working on the teaching and research of physiology and cognate disciplines. The mission of CAPS is to promote advanced physiological research, high-standard physiological education, and nationwide application of physiological knowledge, as well as international exchange with worldwide physiological societies.

Attending the 37th congress was a Chinese delegation (including delegates from Hong Kong) of over 130 members headed by Xiaomin Wang, president of CAPS, and vice presidents Xian Wang, Yingshing Chan, Baoming Li, and Junxia Xie, as well as Secretary-general Yun Wang. Professor Shu Chien, honorary member of CAPS and honorary co-chair of the Bidding Committee for the 39th congress was also present to offer his support to CAPS.

On 19 July, the Executive Committee of IUPS convened, at which 3 member states, namely Austria, China, and South Korea made in turn their presentations to the Committee. The presentation given by Yingshing Chan, vice president of CAPS, in a bid for Beijing to host the congress, was favorably received by the Committee. On 20 July the General Assembly convened by IUPS wit-

nessed the 3 bidding states giving their second presentations followed by questions and answers and a vote by the Committee. China won the bid by a decisive majority of 32 votes, with 17 and 4 votes for South Korea and Austria respectively.

To host the congress of IUPS in China has been a long-cherished wish of preceding generations in physiological sciences as well as the wish of the executives and all the members of CAPS. Unremitting efforts by successive generations in physiological sciences and CAPS (bidding for a third straight time) have culminated in CAPS winning the bid to host the 39th congress of IUPS in Beijing China 2021. The successful bid is credited not only to CAPS, but also to the joint effort by Chinese people and people of Chinese origin in physiological sciences from around the world. It is a 20-year dream come true for persons in physiological sciences here in China. It is a success associated with China's growing power and international influence, and the remarkable progress in physiological sciences made by Chinese physiologists, who have been playing an increasingly important role in the international academic circles.

CAPS will, under the leadership of China Association for Science and Technology and with the support of governments at all levels and related associations and societies, devote itself unreservedly to the preparation for the 39th congress, which will offer an opportunity to present to the world the time-honored civilization as well as the vitality of China, and an opportunity for Chinese scientists to make their due contribution to the development of physiological sciences.

Event Report: IUPS 2013 Congress

37th Congress of the International Union of Physiological Sciences

Birmingham, U.K., from July 21-26, 2013



The 37th IUPS international congress was held from 21 to 26 July 2013 in Birmingham, UK. These 37 international congresses took place over 124 years (1889-2013) and have had a great impact over the dissemination of Physiological Sciences all over the world.

About 3000 scientists attended the congress, amongst which there were 700 lecturers. 800 participants were from UK. Moreover, the congress consisted of 102 symposiums, 2220 abstracts and 716 posters.

In The IUPS General Assembly (July 21, 2013) the following items were discussed:

- 1) Opening of the General Assembly by President—Denis Noble
- 2) Approval of the minutes of the 2009 General Assembly in Kyoto, Japan
- 3) Consent calendar for other reports
- 4) Report of the President—Denis Noble
- 5) Report of the Secretary General—Walter Boron
- 6) Report of the Treasurer—Malcolm Gordon
- 7) Election of Officers for 2014-2017
President - Denis Noble (UK)
1st VP - Julie Chan (China - Taipei)
2nd VP - Penny Hansen (Canada)



Secretary General - Walter Boron (US)
Treasurer - Peter Wagner (US)

8) Election of Council for 2014-2017

Katsuhiko Mikoshiba (Japan)
Benedito Machado (Brazil)
Tomasz Brzozowski (Poland)
Xiaomin Wang (CAPS)
Tobias Wang (Denmark)
Peter Hunter (NZ)
Caroline McMillen (Australia)
Penny Moody-Corbett (Canada)
Saeed Semnani (Iran)
Jens Rettg (Germany)

9) Approval of Board of the General Assembly bylaws

10) Approval of new member societies

Bangladesh
Nepal
Malta

11) Presentation of report on planning of 2017 Congress, Rio de Janeiro, Brazil – Benedito Machado

12) Reconfirm Brazil as the host for 2017 Congress

13) Presentation of hosts bidding for the 2021 Congress

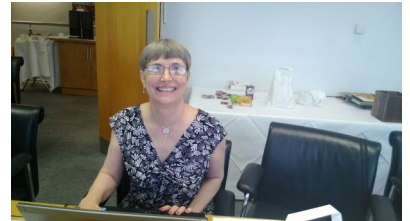
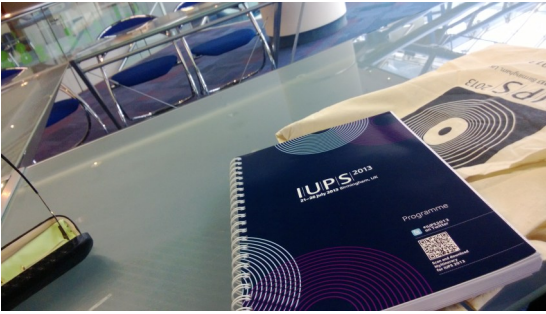
Austria
China (CAPS)
South Korea

14) Vote for the host of 2021 Congress

IUPS 2013 Congress: Photo Gallery



IUPS 2013 Congress: Photo Gallery



Event Report: AD Instruments Teaching Workshop

Bristol, England, July 18-21, 2013

One hundred and nine physiologists arrived by airplane, bus, and train from 28 countries and six continents for four days of intense discussion and work at the Workshop hosted by the modern University of Bristol set amidst the beautiful old buildings of this 16th Century city. The local organizing team, headed by Professor Judy Harris, together with the International Programme Committee co-chaired by Robert Carroll and Jonathan Kibble, had created a full schedule of five plenary and five short talks, eighteen parallel small-group workshops, and daily poster sessions.

The Workshop was titled **Tune up your Teaching: Trends, Tips and Tasters**. The

programme included trends as simulation, role of mobile devices, team-based learning, and relating laboratory data acquisition to patient cases. Tips included, for example, ways to use self-assessment, to organize regional workshops, and to get your educational research published. A plethora of nearly 50 posters acted as intriguing tasters illustrating the broad range of innovations and educational scholarship being carried out by physiology teachers around the world. Participants included approximately equal numbers of men and women of all ages, well-distributed from students up to the most senior physiologists, such as Professors Adrianta Surjadhana from Indonesia and Osamu Matsuo from Japan.



A characteristic feature of all IUPS Teaching Workshops is to take advantage of the mutual benefits in exchanging information and ideas between resource-rich and resource-poor regions:



each contributing innovative and useful approaches to teaching and learning. Long-term associations have developed from the Workshops and communication between the IUPS Congress years continues through regional and national workshops and by use of the IUPS Education listserv at iups-teaching@yahoogroups.com. All physiologists are invited to join the listserv by contacting Professor Surjadhana at Adrianta2001@yahoo.com. Many of the slides and handouts from this and other workshops are available on the listserv.



Event Report: AD Instruments Teaching Workshop

The Education Committee of IUPS has had responsibility for organizing these satellite Workshops since the first one, held in Jenolan, Australia, in 1986. ADInstruments Company generously funded each of these workshops, keeping costs to participants extremely low and pro-rated according to the World Bank classification of countries by *per capita* income.

Penny Hansen,
Co-chair of the IUPS Education Committee,
Memorial University,
Newfoundland, Canada.



FAOPS e-newsletter

- ⇒ **Pre- and post-graduate student applications:** Students looking for physiological research and clinical positions abroad
- ⇒ **FAOPS newsletter intends to facilitate the exchange of pre and post-graduate students within the Asian and Oceanic region.** To facilitate the exchange, FAOPS newsletter has opened a new category by the title: **“Student application”**
- ⇒ Pre-and post-graduate students are entitled to email an application (free of charge) to FAOPS newsletter for participating in a scientific and/or clinical setting abroad.
- ⇒ Team leaders are invited to browse through these applications and contact the students by email to host a foreign student in their institute.



Future Congress: 8th FAOPS 2015 Congress, Bangkok, Thailand

2nd Progress report by Professor Chumpol Pholpramool Chairman of the Local Organizing Committee



Dear Colleagues,

As you may have known, Thailand has been honored to host the 8th FAOPS Congress in the year 2015. The Congress will be held on November 22-25, 2015 in Bangkok. The program of the meeting includes plenary lectures by renowned scientists, special lectures by experts on some frontier topics in physiology, symposia on various interesting systems, and debates on some problematic or controversial issues. All scientific sessions will be harmonized under the theme "Translational Physiology: Imagination, Inspiration & Innovation". In addition, participants will be able to present their interesting research work in both oral and poster sessions.

On behalf of the Local Organizing Committee (LOC) appointed by the Physiological Society of Thailand, I wish to invite you to take part in organizing this congress by proposing a symposium/debate on any aspect of physiological sciences that fits with the theme of the congress. A symposium/debate is a 90 min session and contributed by no more than three speakers. Due to the constraint in our budget, we can provide you only partial supports for the speakers, which include free registration and participations to welcome reception and farewell dinner. If you are interested in contributing to the 8th FAOPS Congress please let me know and provide me with brief bio-sketch of all speakers and the abstract of the proposed symposium/debate in the forms attached herewith. Please be noted that this call for symposia will be closed by December 31st, 2013, and only a limited number of symposia/debate (~20 sessions) that are of current interest and corroborate the theme of the meeting can be accommodated.

Should you have any query concerning the congress and its scientific program, please do not hesitate to let me know. I look forward to hearing from you in the near future.

With best wishes,

Chumpol Pholpramool, Ph.D.

Emeritus Professor of Physiology

Chairman of the LOC, 8th FAOPS Congress



8th FAOPS 2015 Congress, Bangkok, Thailand



Structure of Scientific Program:

- Lectures
 - Keynote lecture
 - Plenary lectures
 - Name lectures
 - Special lectures
 - Lunch talks
- Symposia
- Workshop (Teaching in Physiology)
- Debates (stem cells, physiology teaching)
- Free communications (Posters)

Lectures (drafted):

- Keynote Lecture: (1h)
Shinya Yamanaka or Peter Agre (tentative)
- Plenary Lectures: (1 h/session, 3 sessions)
 - Bert Sakmann (Reconstructing brain circuits in silico)
 - Erwin Neher (Short-term Synaptic Plasticity: Inspired by Biophysics)
 - Robert J. Lefkowitz
- Name Lectures
 - John Young Lecture (To be organized by D Cook & A Dinudom)
 - Ouay Ketusingh Lecture (by Nateetip Krishnamra)
 - Dithi Chungchroen Lecture (by Nipon Chattipakorn)
 - Prasop Ratanakorn Lecture (by Piyarat Govitrapong)



Scientific program highlight (drafted):

- Special Lectures (by invitation)
 - Circadian rhythms, molecular clock and skeletal muscle; why muscles need to keep time (Karyn Esser)
 - Cardiac myofilament dysfunction in heart failure (Pieter de Tombe)
 - Novel aspects of the autoregulation of cerebral blood flow: from isolated vessels to human (Akos Koller)
 - Cardiopulmonary exercise testing (Susan A. Ward)
- Lunch Talks (3 sessions) to be proposed

Key dates:

- Abstract submission: January 2, 2015 to April 30, 2015
- Early bird registration: January 2, 2015 to May 31, 2015
- Regular registration: June 1, 2015 to August 31, 2015
- Late and Onsite registration: September 1, 2015 to November 23, 2015

Registration fees

Fee includes welcome reception, coffee & refreshment, and lunch.

Categories	Early bird	Regular	Late & Onsite
Regular participant	400 USD	450 USD	500 USD
Student	200 USD	250 USD	300 USD
Accompanying person	200 USD	250 USD	300 USD

8th FAOPS 2015 Congress, Bangkok, Thailand

Symposia (90 min/session, 3 speakers/session, up to 21 sessions):

1. Epithelial Transport (satellite symposium ?)
2. Calcium & Bone Metabolism (N Krisnamra & colleagues)
3. Muscle Physiology (Karyn Esser, Pieter de Tombe, Jonggonnee Wattanapermpool)
4. New approaches to the screening of arterial dysfunction (Upa Kukongwiriypun & colleagues)
5. Neuroendocrinology (Ishwar Parhar & colleagues)
6. Traditional Medicine - Beyond Civilization (Pravit Akarasereenont & colleagues)
7. Microcirculation (S. Pathumrach & colleagues)
8. Reproductive Physiology (S. Malaivijitnont, Kazuyoshi Taya, M. Tachakum)
9. Stem Cells (Tentative)
10. Neuroscience (Tentative)
11. Exercise Physiology (Tentative)
12. Renal Physiology (Tentative)
13. Gastrointestinal Physiology (Tentative)
14. Others (to be proposed by FAOPS

members)

A call for proposal of symposia has been sent to members of FAOPS in June, 101



Workshop on Teaching in Physiology:

- Pre congress and congress program
- Concepts: Competency based Physiology Teaching and Physiology in the 21st Century
- The 21st Century Skills (lecture: Lincoln C. Chen/Prasit Watanapa)
- Competency based curriculum (lecture:Prasit Watanapa/Cherdsak Iramaneerat))
- Competency (Outcome) based Physiology Teaching
- Teaching Physiology: Historical Perspectives (lecture:William H. Dantzler)
- Teaching Physiology: For Undergraduate, Graduate and Healthcare Professional
- (Symposium: Stephen H. Wright/and more)
- Path to 21st Century Teaching: Innovative from member countries (Call for papers)
- Symposium: Cheng Hwee Ming/Adrianta/ and more)
- Teaching Physiology Laboratory (ADInstruments)
- Student sessions: Sharing Impressions and Comments (Medical students and Graduate students)



Free communications:

- Cell and Molecular Physiology
- Membrane/epithelial Transport
- Neuroscience
- Cardiovascular Physiology
- Muscle Physiology
- Respiratory Physiology
- Renal Physiology
- Endocrinology and Metabolism
- Gastrointestinal Physiology
- Reproduction
- Exercise Physiology
- Physiology Education
- Growth and Development
- Alternative Medicine
- General Interest



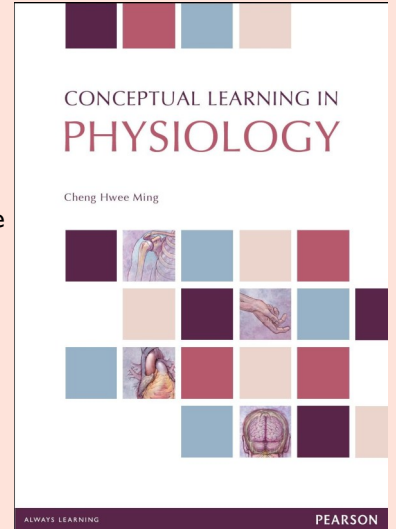
Book Presentation

CONCEPTUAL LEARNING IN PHYSIOLOGY

Factual and descriptive information on physiology are easily retrieved from hard texts or even more rapidly via virtual sources. However, understanding and conceptualizing the themes, organizing principles or regulatory networks that integrate the many points of information require thinking time. The student who desires to learn Physiology well should incubate the habit of reflecting on lectures he heard and topics he read to make homeostatic sense of any Physiologic control systems in the body.

This book highlights some of the essential framework for learning Physiology conceptually. Many of the insights and pointers here are derived from seeking to appreciate why students have misconceptions in particular areas of Physiology. A range of areas in Physiology are described to illustrate the place of conceptual learning.

Cheng Hwee Ming teaches Physiology at the Faculty of Medicine, University Malaya, Kuala Lumpur. He is the author of "Thinking through Physiology" (Pearson). He believes that any proposed new mode of leaning Physiology, unless it promotes students' understanding, is only cosmetic and will soon be out of fashion. Dr Cheng is the initiator of the Physiology Quiz International that gathers students together from many countries to Malaysia each year for a friendly competition to enhance the joy of learning and teaching Physiology.



The new IUPS website

IUPS has renewed its website. You can access the website through the following address:

<http://www.iups.org/>



FAOPS e-newsletter



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