

International Union of Basic and Clinical Pharmacology (IUPHAR)
Executive Committee Meeting Minutes
April 19th - 20th, 2013

Courtyard by Marriott
Cambridge, Massachusetts, USA

Participants

Darrell R. Abernethy, USA, Vice Chair of Clinical Pharmacology Division
Donald J. Birkett, Australia, Chair of Clinical Pharmacology Division
Kim Brøsen, Denmark, Councilor
Kay Brune, Germany, Councilor
Patrick du Souich, Canada, President
Sue Piper Duckles, USA, Past President
S. J. Enna, USA, Secretary-General
Graeme Henderson, UK, First Vice President
Lynn LeCount, USA, Administrative Officer
John O. Miners, Australia, Councilor
Douglas W. Oliver, South Africa, Councilor
Urs T. Ruegg, Switzerland, Treasurer

Excused

Masamitsu Iino, Japan, Second Vice President
María Isabel Lucena, Spain, Treasurer of Clinical Pharmacology Division
Petra Thürmann, Germany, Secretary General of Clinical Pharmacology Division
Yongxiang Zhang, PR China, Councilor

Discussion Topics

President Patrick du Souich expressed his condolences to the people of Boston for the recent tragedy that had befallen the city. He thanked the participants for their efforts to attend the Executive Committee meeting, especially in light of the heightened security.

Treasurer's report

Dr. Urs Ruegg reported the 2012 financial records were approved by the external auditor and one of the internal auditors, Dr. Garrett FitzGerald. The documentation is en route to the second internal auditor, Dr. Tiaan Brink, for review.

Dr. Ruegg reminded the group that the financial reports list the IUPHAR Committee on Receptor Nomenclature and Drug Classification (NC-IUPHAR) separately from IUPHAR. He presented the following information (in US dollars):

IUPHAR 2012 Operations Income

Categories	Amount
Membership dues	\$82,778
IOSP ¹ grant from ICSU ² (€30,000)	36,297
PharmacoCareers	203
GRIP ³ reimbursements	6,943
Dividend income	4,384
Currency exchange gain	2,849
Unrealized gain – investment value	27,455
Total Income IUPHAR (in USD)	160,909

¹ IOSP: Integrative Organ and Systems Pharmacology

² ICSU: International Council of Science

³ GRIP: Global Research in Pediatrics

Dr. Donald Birkett asked what the GRIP reimbursements represented. Dr. Ruegg replied that IUPHAR has partnered with a consortium of children's health organizations to encourage the development and optimization of the use of medicine in children. This effort is being underwritten by the EU Framework 7 Network of Excellence. As dictated by the grant, IUPHAR pays for the travel expenses of the GRIP committee members and it is then reimbursed from the Hospital District of Helsinki and Uusimaa on behalf of the grant. Ms.

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Lynn LeCount clarified that the \$6,943 listed among the 2012 income items were expenses incurred during 2011, but not reimbursed until 2012.

IUPHAR 2012 Operations Expenses

Categories	Amount
External audit	\$603
Bank fees	1,880
Dues (ICSU & ICLAS ⁴)	4,592
Secretary-General office	43,400
Treasurer's office	9,400
Meetings – Executive Committee	43,707
Meetings – Hungarian 50 th anniversary	447
Gastrointestinal Section support	5,033
Pharmacogenetics/genomics Section support	2,502
Clinical Division support	5,200
GRIP reimbursements	3,610
IOSP workshop	12,296
Website	13,097
Total expenses	145,766
Net Operations (in USD)	<u>\$15,143</u>

4 ICLAS: International Council for Laboratory Animal Science

Dr. Ruegg acknowledged the ongoing generosity of the donors supporting the database operations at the University of Edinburgh, United Kingdom:

NC-IUPHAR 2012 Corporate & Member Donations

Donors	Amount
ASPET – Behavioral Division	\$500
ASPET – Drug Discovery Division	4,000
ASPET – Neuro Division	5,000
AstraZeneca	10,000
DiscoverRx	15,773
EMD Millipore	2,000
Servier	32,619
Total (in USD)	69,892

Dr. Ruegg summarized the IUPHAR income and expenses related to NC-IUPHAR:

NC-IUPHAR 2012 Summary

NC-IUPHAR income received by IUPHAR	Amount
Corporate & member donations	69,892
Endowment dividend	7,062
Currency gain	529
Unrealized gain - investment value	27,298
NC-IUPHAR income total	104,781
NC-IUPHAR expenses paid by IUPHAR	Amount
Database	71,487
Meetings	50,792
Bank fees	716
NC-IUPHAR expenses total	122,995
Net NC-IUPHAR (in USD)	<u>-\$18,214</u>

Dr. Darrell Abernethy felt it is important that the database be leveraged for income since it is the highest visibility service offered by IUPHAR. He then cited some fundamental differences between the academic and business models for financing the database. Dr. Ruegg clarified that the joint venture undertaken in 2011 with the British Pharmacological Society (BPS) and a three-year grant award from the Wellcome Trust received in 2012 will help minimize losses over the next few years. The Executive Committee members discussed various strategies

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for increasing revenue to NC-IUPHAR and the *Guide to Pharmacology* website. Suggestions included forming a consortium to obtain feedback on the contents and user tools while receiving dues or donations from the consortium members; charging a fee for high volume access; and launching a marketing campaign to increase awareness of the site and the number of users which should, in turn, attract additional donations. Dr. Ruegg noted that many of the ideas have in the past been considered by the database team, who continuously seek ways to increase funding and decrease expenses Dr. Sue Duckles complimented the database team on their efforts to recruit donations and sponsorships in light of the sluggish economy without violating IUPHAR principles of objectivity. It was noted that, with the contraction of the pharmaceutical industry and retirement of IUPHAR contact personnel in these companies, NC-IUPHAR is likely to receive fewer donations from this source in the coming years, making it essential that alternate forms of income be identified. Dr. Ruegg presented the list of member societies that have fallen behind in dues payments:

Delinquent Dues from Member Societies (as of 11 July 2013)

Society	2010	2011	2012	Total Owed
Argentine Society			786	786
Bulgarian Pharmacology Society	\$160	\$160	168	488
Colombian Pharmacological Association	160	160	168	488
Cuban Society of Pharmacology		320	336	656
French Pharmacology & Therapeutics Society			1,916	1,916
Indonesian Pharmacological Association	169	169	177	515
Kenyan Society for Basic and Applied Pharmacology			35	35
Korean Society of Pharmacology			1,085	1,085
Latin American Association of Pharmacology	585	585	615	1,785
Pakistan Pharmacological Society	160	160	168	488
Pharmacological & Therapeutic Society of Thailand	160	160	168	488
Philippine Society of Exp. & Clinical Pharmacology	222	222	234	678
Serbian Pharmacological Society		480	505	985
Slovak Pharmacological Society			504	504
Venezuelan Society of Pharmacology	160	160	168	488
TOTAL (in USD)	\$2,096	\$2,576	\$7,984	\$12,976

Dr. Duckles commended Dr. Ruegg on his success in collecting dues. Dr. John Miners observed that most of the Southeast Asian societies have no central office, making it difficult to ensure the membership dues invoices reach the correct person in these organizations. He volunteered to send Ms. LeCount contact information, where possible, for those member societies in which IUPHAR has no working email addresses. Dr. Miners announced that the Southeast Asia Western Pacific Federation of Pharmacologists has changed its name to the Asia Pacific Federation of Pharmacologists. He also noted the boundaries for membership in this organization now extend to India.

Dr. Ruegg summarized the 2013 budget projections. It was recommended that for future budget reports, the last four to five years of beginning/ending bank balances be included as a point of reference for the budget projection.

Dr. du Souich presented a forecast of the anticipated IUPHAR expenses associated with the exhibition booth, the costs for the Executive Committee meetings and for the General Assembly during the World Congress of Basic and Clinical Pharmacology (WCP2014) in Cape Town during July, 2014. In an effort to reduce the outlay, the Executive Committee decided to convene a 2010-2014 Executive Committee meeting on Sunday morning, July 13th. For travel reimbursement, the 2010-2014 Executive Committee members will receive only a fixed amount, relating to the distance traveled. The Executive Committee instructed that the fixed rates for reimbursement will be established by the IUPHAR officers, and will be based on those used by the WCP2014 organizers to reimburse plenary speakers. Dr. Oliver volunteered to advise Ms. LeCount on which Cape Town hotels could offer the best rate for the Executive Committee members. The General Assembly is scheduled for Tuesday, July

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15th, at which time the 2014-2018 Executive Committee will be elected by the delegates. A joint meeting of the 2010-2014 and 2014-2018 Executive Committees will be held Wednesday morning, July 16th. At the conclusion of this meeting, the outgoing 2010-2014 Executive Committee members will be excused, with the 2014-2018 Executive Committee discussions continuing into the afternoon if necessary.

Fundraising

- Dr. Ruegg described recent fundraising proposals he is preparing in conjunction with Dr. Michael Spedding, the NC-IUPHAR Chair. They intend to offer Novartis two options for funding IUPHAR initiatives. The first will allow Novartis to choose two subjects, such as kinases or antibodies, to be included in the next development phase of the database in exchange for three to five years of sponsorship. The second option relates to Novartis' commitment to improve pharmacology in Africa by having them underwrite one or two eminent pharmacologists to tour Africa on a teaching circuit. Drs. Ruegg and Spedding plan to approach other pharmaceutical companies with similar types of proposals.
- Dr. Graeme Henderson described a bid from an academic publisher to launch an IUPHAR scientific journal. The Executive Committee discussed the proposed terms at length but ultimately rejected the offer. Dr. Enna will discuss the possibility of an IUPHAR journal later in the year when he anticipates seeing a representative from a different publisher during the October NC-IUPHAR meeting in Paris.
- Dr. Kay Brune reiterated his recommendation that IUPHAR establish a tax-exempt pharmacology academy. This academy would create and administer awards endowed by pharmaceutical companies to honor esteemed pharmacologists and publicize the contributions and importance of pharmacology to the lay-press and general public. In his view, the academy could attract donations and estate gifts from individuals who have benefitted from pharmacology research. Dr. Douglas Oliver observed that such an academy could be a focal point for improving the training of new pharmacologists. Dr. du Souich asked Dr. Brune to prepare a brief proposal to be considered by the Executive Committee members.
- Dr. Miners described the Henry Stewart Talks, which are audio-visual presentations by world experts that may be downloaded for a fee. He wondered whether this model could be exploited by IUPHAR to develop and sell teaching modules recorded by prominent pharmacologists. After some discussion, the group decided that institutions such as Harvard and Flinders University already offer online teaching resources of benefit to pharmacologists. These modules are free unless the individual is seeking credit towards a degree at these institutions. Dr. Duckles suggested that instead a "bibliography of bibliographies" be developed to enable pharmacologists to quickly access the information. Ms. LeCount commented that the Education Section plans to develop a curated catalog of available online teaching resources, which may address this need.

Statute changes

- Dr. du Souich summarized the revised text being proposed for the IUPHAR Statutes to clarify the process for creating a Section. After the correction of a typographical error, the Executive Committee approved the new text in Section V.2 (Structure). Dr. du Souich reminded the Executive Committee members that in 2011 they had approved a change in the Statutes making Basel the official location of IUPHAR for tax purposes. These two changes will be presented to the delegates for a vote during the IUPHAR General Assembly in July, 2014.

Overview of reports

Liaisons to other organizations

- Dr. du Souich stated the activity reports of the various IUPHAR committees, division and sections had been supplied with the meeting materials and asked if anyone had comments or questions about them. There being none, he asked for oral reports from Executive Committee members on these programs.

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International Council of Science (ICSU) liaison: Dr. Sue Duckles

Dr. Duckles provided a brief overview of the structure and scope of ICSU. She noted that IUPHAR has been successful in obtaining grants from ICSU over the past decade and acknowledged that much of the success of the Integrative Organ and Systems Pharmacology (IOSP) initiative was due to ICSU grant awards. She pointed to Dr. Oliver and his colleagues in the Education Section as great examples of how seed money from ICSU can be leveraged to further pharmacology training and research in Africa. Dr. Oliver acknowledged the critical role of the Regional ICSU Office in Africa in making the initiative a success.

Dr. Ruegg noted that he will be the IUPHAR representative at the Paris ICSU meeting at the end of April. He explained that the various unions within ICSU are clustered into interest groups. He reported that IUPHAR is a member of the Biological Unions Cluster (BioUnions Cluster), which is organizing a satellite meeting to the International Union of Physiological Sciences (IUPS) Congress in July, 2013.

ICSU Committee on Data for Science and Technology (CODATA) liaison: Dr. Richard Neubig

Dr. Abernethy announced he is representing IUPHAR on the Nanotechnology subcommittee of CODATA. He reported the group is meeting in Paris at the end of May to set standards for nanotechnology across all scientific disciplines.

International Union of Physiological Sciences (IUPS) liaison: Dr. Kay Brune

Dr. Brune reported that, as the IUPHAR liaison to IUPS, he had volunteered to serve on the IUPS program committee. However, he has yet to be contacted by the IUPS regarding this matter.

International Union of Toxicology (IUTOX) liaison: Dr. John Miners

Dr. Miners noted he has been working closely with IUTOX and the Drug Metabolism and Drug Transportation Section (DMTS) in the planning of reciprocal symposia. It was agreed that IUPHAR will pay for four speakers to present a symposium on active metabolites in Seoul during the IUTOX Congress this year. In return, IUTOX will provide speakers for a symposium during WCP2014. Dr. Oliver stated that the WCP2014 Program Committee has held a slot for IUTOX, even though they have yet to receive their proposal. Dr. Miners also reported that IUTOX and IUPHAR have submitted a joint application to ICSU requesting support for a November, 2013 workshop on risk assessment in Malaysia. A decision on this application is expected soon.

Pharmacology for Africa (PharfA) liaison: Dr. Douglas Oliver

Dr. Oliver informed the Executive Committee that it had been a very successful year for PharfA. The 5th All Africa Congress, held July 11 – 13, 2012 in Accra, Ghana, was attended by ~150 registrants. The success of this gathering convinced PharfA to continue organizing such congresses every four years. Planning for the 6th All Africa Congress in 2016 has already begun. Dr. Oliver hopes to have IUPHAR sections organize symposia for the 2016 congress. Under the auspices of the IUPHAR Education Section, IOSP workshops were held in Nigeria and Ghana as satellite meetings to the 5th All Africa Congress. There are plans underway for another workshop in Africa. Dr. Oliver reported that discussions are underway with Novartis to help them fulfill their corporate commitment to advance pharmacology on the African continent. Dr. Duckles inquired about activities planned for the French-speaking countries in Africa. Dr. Oliver replied that the West Africa Society of Pharmacology (Société Ouest Africaine de Pharmacologie) is organizing a regional meeting in October, 2013. At the request of the IUPHAR officers, Drs. Oliver and Brink will represent IUPHAR at that meeting. Dr. Oliver noted that PharfA continues to encourage local pharmacologists to establish pharmacology societies within Africa. He announced the Kenyan Society for Basic and Applied Pharmacology recently launched an open access journal. He acknowledged that the current political turmoil in northern Africa is hindering the activities of pharmacologists in those countries.

Committees

IUPHAR Committee on Receptor Nomenclature and Drug Classification (NC-IUPHAR) chair: Dr. Michael Spedding

Dr. Ruegg summarized negotiations with the British Pharmacological Society (BPS) to form a joint venture that combined the data from the NC-IUPHAR database with the BPS

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Guide for Receptors and Channels. The combined databases were launched on the www.GuideToPharmacology.org portal in 2011. Now that the records for the G-protein coupled receptors and channels are nearly completed, NC-IUPHAR is considering the next areas for development. Among the possibilities is inclusion of clinical information. The initiation of new projects is being delayed until manpower availability and finances allow.

Dr. du Souich presented to the Executive Committee the NC-IUPHAR recommendation of Dr. Arthur Christopoulos as the IUPHAR Analytical Lecturer for WCP2014. The recommendation was unanimously approved by the Executive Committee.

Membership Committee chair: Dr. Karl Netter

Dr. du Souich summarized the contents of the Membership Committee report and acknowledged the efforts of Dr. Karl Netter in growing the number of IUPHAR member societies.

Division chair: Dr. Donald Birkett

Dr. Birkett highlighted various aspects of Clinical Division activities during 2012 and the first quarter of 2013. The Clinical Division Executive Committee contacted the International Pharmaceutical Federation (FIP) to determine whether there may be areas of collaboration. As a first step, it has been agreed that IUPHAR/FIP will hold a joint symposium at the FIP scientific meeting in Melbourne, Australia in 2014. Dr Birkett is negotiating this with the chair of the FIP program committee, Prof. Ross McKinnon. He also reported that the recent publication in collaboration with the World Health Organization (WHO) and the Council for International Organizations of Medical Sciences (CIOMS) entitled "Clinical Pharmacology in Research, Teaching and Health Care" has received favorable comments and editorials. At the invitation of the IUPHAR officers, Drs. Maribel Lucena and Yongxiang Zhang are serving as international advisors to the Program Committee of the 20th Latin American Congress of Pharmacology and Therapeutics. At the request of the IUPHAR officers, the Clinical Pharmacology Division is considering possible candidates to serve on the editorial board of *Hospital Pharmacology*, a journal recently launched by the Section for Clinical Pharmacology of the Serbian Medical Association, an IUPHAR member society.

Dr. Birkett reported that the BPS has invited IUPHAR to sign a petition entitled "All Trials Registered, All Results Reported," sponsored by Sense about Science. The petition calls for all Phase II, III and IV clinical trials that have occurred since 1990 to be registered and that all trial results be publically released. Although the United States National Institutes of Health already requires such transparency for all taxpayer-funded research, many pharmaceutical companies do not make their clinical trials results available. Donations to the campaign are also sought. After a brief discussion, the Executive Committee approved signing the petition, but elected not to make a monetary contribution at this time. Dr. du Souich thanked the Executive Officers of the Clinical Pharmacology Division for their efforts in evaluating this petition.

Dr. Birkett summarized the financial reports of the Clinical Pharmacology Division. Effective January 1, 2012, the bank balance for the Division was €41,882. Over the course of 2012 the division received €5,847 from IUPHAR and spent €13,503, resulting in a December 31, 2012 balance of €34,226. Thus far during 2013 the division has received €3,614 from IUPHAR and has incurred no expenses. Encumbrances have been made to pay for travel in conjunction with the 2013 meeting of the International Society for Pharmacoepidemiology (ISPE) on behalf of the Geriatric Clinical Pharmacology Subcommittee, Dr. Kalle Hoppu's participation in the WHO Expert Committee meeting on the Essential Medicines List, the 2nd Latin American Workshop on Pediatric Clinical Pharmacology Research, meetings related to the Subcommittee of Clinical Pharmacology in Developing/Emerging Countries, and WCP2014.

The current IUPHAR liaisons to WHO are Drs. Folke Sjöqvist and Kalle Hoppu. Dr. Sjöqvist has recommended that new liaisons be appointed in 2014. Thanks to their efforts, IUPHAR has been reconfirmed as a nongovernmental organization (NGO) in official relations with WHO. Dr. Birkett announced that Dr. Ruegg's colleague, Dr. Jules Desmeules, has agreed to register as the IUPHAR delegate to participate as needed in the upcoming World Health Assembly in Geneva, Switzerland, May 20-28, 2013. After reviewing the Provisional Agenda

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distributed by WHO, Dr. Birkett felt two areas that could be of importance to IUPHAR were counterfeit medicines and drug safety.

Dr. Abernethy reported the Subcommittee on Geriatric Clinical Pharmacology is gaining momentum. The ISPE meeting was their first major undertaking. The Subcommittee is considering for their next project the creation of a guide for patient-related therapy versus disease-related therapeutics to help reduce complications associated with selecting appropriate medications.

Sections

Liaisons: Drs. John Miners and Petra Thürmann

Dr. Miners contacted the IUPHAR Sections prior to this meeting to ask whether there were any topics they want the Executive Committee to address. Three of the sections cited lack of funding as a major constraint and noted that their own fundraising efforts have yielded little in the way of donations. A few of the chairs indicated they didn't feel they could approach IUPHAR for support. Dr. du Souich felt the sections should be reminded they are welcome to submit funding proposals to IUPHAR for specific initiatives, as indicated on the IUPHAR website. Dr. Miners suggested that, at a minimum, the IUPHAR officers could supply letters of support to help the sections raise funds from local and regional sponsors or local governments.

Given the variability in the content format of section activity reports, the Executive Committee asked Ms. LeCount to provide all section chairs with the following template for use in preparing their next activity reports:

- 1) Activities during the past calendar year (2013)
- 2) Activities planned for the current calendar year (2014)
- 3) Fundraising efforts
- 4) Funds in the bank

Dr. Enna inquired if any of the Executive Committee members had strong feelings about the inquiry from a few IUPHAR sections to charge a membership fee as a mechanism for generating funds. Dr. Duckles voiced concerns that requiring a fee to join a section would exclude participation by pharmacologists from emerging economies. After discussing the issue, it was ultimately decided that sections may invite voluntary contributions from members but may not impose a fee as a requirement to participate in section activities.

Pediatric Clinical Pharmacology chair: Dr. Kalle Hoppu

Dr. Birkett highlighted the activities detailed in the Pediatric Clinical Pharmacology report and accompanying curricular materials. He summarized the request from Dr. Facundo Garcia Bournissen on behalf of the section for funds to support the 2nd Latin American Workshop on Pediatric Clinical Pharmacology Research being held in October, 2013 in Buenos Aires, Argentina. The workshop budget and amount of support from IUPHAR for the first workshop held in 2011 were discussed. Dr. Henderson recommended that a list of IUPHAR funding to all sections over the past few years should accompany such proposals for reference. It was decided the Clinical Pharmacology Division and IUPHAR will each offer up to US\$2,500 for reimbursement of meeting or travel expenses associated with this event upon submission of appropriate receipts. The Executive Committee encourages Dr. Garcia Bournissen to organize future workshops in association with other related gatherings or meetings to help minimize costs.

Pharmacogenetics/genomics (PGx) chair: Dr. Ingolf Cascorbi

Dr. Birkett summarized the past and future meetings of this section. Plans are being made for the Section to present a symposium entitled "Pharmacogenomics: From Cell to Clinic" as part of the Conference of the European Society of Pharmacogenomics and Theranostics in Lisbon, Portugal in September, 2013. As the PGx Section plans to request support from IUPHAR for this effort, Dr. Miners will instruct Dr. Cascorbi to complete and submit the required application posted on the IUPHAR website.

Drug Metabolism and Drug Transport (DMTS) chair: Dr. Alan Rettie

Dr. Miners is working with this section to prepare and present a symposium on active metabolites to represent the IUPHAR contribution to IUTOX 2013 in Seoul, Korea in July, 2013. The DMTS is also collaborating with the PGx Section to propose a symposium for WCP2014. In addition, Dr. Andrew Walubo is helping to organize a WCP2014 satellite

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workshop on methods for studying drug metabolism and transport when developing herbal-derived medications.

Education (IUPHAR-ED) chair: Dr. Tiaan Brink

Dr. Oliver reflected once again on the successful IOSP workshops in Ghana and Nigeria last year. Dr. du Souich congratulated the IUPHAR-ED and PharfA on their successful 2012 application for ICSU support. Ms. LeCount reported that Dr. David Lewis, chair of the IUPHAR IOSP initiative, is planning an article for the June issue of *Pharmacology International* and is currently exploring possible sites for a Southeast Asian IOSP workshop. In addition, IUPHAR-ED is organizing a WCP2014 satellite workshop, where two awards will be given to recognize the achievements of one senior and one junior educator in pharmacology.

Gastrointestinal Pharmacology (GI) chair: Sandor Szabo

Dr. Szabo's report described the reorganized structure of the Section, which includes an expanded GI Section Executive Committee and a new advisory (nonvoting) President's Council. To help stimulate global membership, a GI Club was created during the May, 2012 section meeting in San Diego as part of the annual meeting of Digestive Diseases Week. During 2012, the GI Section organized conferences in Tokyo, Budapest, Honolulu and Kyoto.

Immunopharmacology chair: Dr. Francesca Levi-Schaffer

Dr. Miners noted that this new section is concentrating on growing its membership. Their Executive Committee is planning the first meeting of the section members in conjunction with WCP2014.

Pharmacology of Natural Products (SPNP) chair: Dr. Yongxiang Zhang

Drs. Duckles, Enna and Oliver participated as speakers in the Second World Conference on the Pharmacology of Natural and Traditional Medicines held in Macau, China in November, 2012. They commented that the proceedings were well attended and offered interesting science. The SPNP is collaborating with the Chinese Pharmacological Society to organize a WCP2014 symposium on natural products and traditional medicines.

Create/reactivate a subcommittee for industrial pharmacologists?

Dr. du Souich brought to the group's attention that the Clinical Pharmacology Division at one time had a Subcommittee on Drug development, clinical trials and drug regulation that catered to the interests of industrial pharmacologists. Although the subcommittee eventually dissolved due to lack of leadership, Dr. du Souich feels the need to obtain feedback from, and to offer services to, pharmacologists in the private sector remains relevant. Dr. Henderson noted that the BPS had been fortunate in that a member of their Executive Committee who is employed in industry volunteered to create such a group. Dr. Henderson believes, and several Executive Committee members agree, it would be challenging for IUPHAR to establish or reactivate an industry subcommittee without the dedicated leadership of someone passionate about the project. He observed that the composition of the pharmaceutical industry is migrating from being represented by large companies in Europe and the United States to being characterized by small companies in China, Southeast Asia, and other emerging economies, making it even more difficult to appeal to the industry as a whole for support and guidance. Dr. Brøsen commented that, in his experience, the time available to industrial pharmacologists for such volunteer activities tends to be limited. Dr. Henderson recommended that the issue be discussed with Dr. Spedding for further advice. Dr. du Souich encouraged the Executive Committee members to discuss the idea with industrial colleagues to gain their perspectives and/or identify a person who might be willing to chair such a group. He volunteered to compose a brief proposal to outline the benefits to industrial pharmacologist of working with IUPHAR. If there is sufficient interest expressed in proceeding, Dr. Enna will organize a meeting in conjunction with WCP2014 to advance this initiative.

Meetings

World Congress of Basic and Clinical Pharmacology 2014 (WCP2014)

Dr. Oliver summarized the outcomes of the WCP2014 International Advisory Board meeting that was held earlier in the week. The Program Committee was pleased that all 20 of the

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invited plenary speakers had accepted invitations to attend the meeting. This group of experts is evenly divided between basic and clinical pharmacologists. Dr. Robert Lefkowitz has agreed to be the Opening Keynote Speaker. Drs. Duckles and Henderson expressed concern about allocating 30 minutes for plenary lectures. The organizers were encouraged to extend the time to 45 minutes, even if it meant adding another parallel session. Dr. Birkett noted these issues were discussed during the recent meeting, but that the advisory committee had chosen not to micromanage the Program Committee's efforts to develop the schedule. Dr. Henderson reported that some young pharmacologists who participated in WorldPharma2010 felt that insufficient time was allocated for poster presentations. Dr. Oliver described plans to utilize one hundred 42 inch television monitors as a way to display posters both on demand and in dedicated poster sessions. At this time the organizers are exploring how best to facilitate the authors' presentations to the clusters of television monitors for poster sessions. Dr. Henderson urged the Program Committee to dedicate time slots for poster presentations in the meeting schedule. The Program Committee is now working to expand the clinical offerings, with plans to finalize the program by July, 2013. Dr. Oliver anticipates abstract submissions will begin that month as well. He will email Dr. Enna information regarding a possible Cape Town site visit for the IUPHAR officers. Dr. Enna asked Dr. Oliver to send updates to the International Advisor Board every four weeks during the critical months remaining in 2013.

World Congress of Basic and Clinical Pharmacology 2018

Dr. Iino's report provided information about the venue and a break-even budget based on current exchange rates. The Executive Committee members had no questions or suggestions regarding these plans and projections.

World Congress of Basic and Clinical Pharmacology 2022

Dr. Enna announced the following locations are being offered by member societies as a venue for the 2022 World Congress:

- Belgrade, Serbia
- Budapest, Hungary
- Florence, Italy
- Foz do Iguaçu, Brazil
- Glasgow, UK
- Hyderabad, India
- Madrid, Spain
- Melbourne, Australia
- Toronto, Canada

While it is flattering for IUPHAR to have received so many bids for the 2022 World Congress, Dr. Enna felt it would be difficult to accommodate all nine representatives onstage during the limited time allocated for presentations during the General Assembly in Cape Town. Various strategies to address this issue were explored before it was agreed by the Executive Committee to have the IUPHAR delegates select their top choices by an electronic vote prior to the General Assembly. The sponsoring societies for the locations receiving the highest number of electronic votes will be invited to make an oral presentation of their bid during the 2014 General Assembly. Dr. Enna and Ms. LeCount will teleconference with the other IUPHAR officers to establish a time-line and process to communicate to the bidders the results of the electronic vote to allow ample time for the top candidates to prepare their presentations.

Website demonstration

Ms. LeCount presented an overview of progress on the IUPHAR website, which is scheduled to be launched this year. In particular, she noted that efforts to ensure a scalable view of the webpage contents to accommodate hand-held devices had made it necessary to redesign the homepage shortcuts to the most commonly visited IUPHAR webpages. Chief among the improvements recommended by the Executive Committee members is the need to increase the font size in the homepage shortcuts so they are more legible. Ms. LeCount will forward the construction site address to the Executive Committee for additional feedback once the requested changes have been made.

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Future Executive Committee meetings

Dr. du Souich reminded everyone that the next meeting of the 2010-2014 Executive Committee will be Sunday morning, July 13th, 2014 in conjunction with the World Congress of Basic and Clinical Pharmacology in Cape Town, South Africa. The General Assembly is scheduled for Tuesday afternoon, July 15th, 2014, and the joint meeting of the 2010-2014 and 2014-2018 Executive Committees will be Wednesday morning, July 16th, followed immediately by the 2014-2018 Executive Committee meeting.

Dr. Enna asked the group to recommend agenda items for these Executive Committee meetings. Some of the topics will be the 2010-2014 Executive Committee recommendations of individuals to the 2014-2018 Committee to serve as liaisons to other organizations and as committee chairs, and a thorough review of activity reports so that new committee members are fully informed of the status of initiatives.

The meeting adjourned at 11:05 a.m. on April 20th, 2013
Lynn LeCount, CMA, Administrative Officer