

To: The Secretary-General
IUPHAR

08 February 2011

Dear Dr. Enna

ANNUAL REPORT OF THE IUPHAR EDUCATION SECTION FOR THE YEAR 2010

1 General Comments

As stipulated by its ByLaws, the Education Section of the International Union of Basic and Clinical Pharmacology (IUPHAR-Ed) aims to foster and promote innovative teaching, learning and assessment of basic, clinical and translational pharmacology to higher education pharmacology students and wider audiences across the globe. In addition a strong emphasis is placed on creating platforms to promote communication and cooperation between educators. Since the last report by the previous chair early in 2010, the Section held a pre-conference Satellite meeting (prior to the 16th World Congress of Basic and Clinical Pharmacology, Copenhagen, Denmark, July 2010), as well as a Section General Assembly with the election of new officers and councillors in June 2010 in Copenhagen, Denmark, and adopted its first ByLaws. This report will outline the strategies and associated activities of the IUPHAR-Ed, as well as future activities for the upcoming three years in the run-up to its next general meeting at the 17th World Congress of Basic and Clinical Pharmacology in Cape Town, South Africa.

2 Section Executive Committee

The Section Executive Committee, as elected on 18 July 2011 during its Section General Assembly in Copenhagen, Denmark, includes the officers plus councillors from various regions globally:

OFFICERS

Chair:	Dr Christiaan Brink (<i>South Africa</i>)
Vice-Chair:	Dr P.K. Rangachari (<i>Canada</i>)
Secretary:	Dr Simon Maxwell (<i>United Kingdom</i>)
Treasurer:	Dr David Dewhurst (<i>United Kingdom</i>)
Immediate past chair	Dr Joan Lakoski (<i>United States of America</i>)

COUNCILORS

Prof Francis Achike (*Malaysia*)
Dr Elisabeth Davis (*Australia*)
Prof Thomas Griesbacher (*Austria*)
Prof Suzanne Hansen (*Denmark*)
Dr Robert Likic (*Croatia*)
Prof Ewen Macdonald (*Finland*)

Dr Lisa Tee (*Australia*)
Dr Ragini Vaishnav (*Oman*)
Prof Olinda Vilas Boas (*Brazil*)
Mr De Wet Wolmarans (*South Africa*)

IOSP COMMITTEE

The Integrative Organ Systems Pharmacology (IOSP) committee also operates under the auspices of IUPHAR-Ed. A new chair was appointed during the second half of 2010, following the resignation of Prof Bylund as past-chair:

Chair: Dr Dave Lewis. (*United Kingdom*)
Councilor for Africa: Dr Christiaan Brink (*South Africa*)
Members (*to be renewed*) Bernstein, James (*United States of America*)
Bowery, Norman (*United Kingdom*)
Collis, Michael G. (*United Kingdom*)
Cornish, Kurtis (*United States of America*)
Gebhart, Gerald (*United States of America*)
Govitrapong, Piyarat (*Thailand*)
Guantai, Anastasia (*Kenya*)
Gupta, Y.K. (*India*)
Gyires, Klara (*Hungary*)
Hawksworth, Gabrielle (*United Kingdom*)
Haywood, J(oseph) R. (*United States of America*)
Jarrott, Bevyn (*Australia*)
Khayyal, Mohamed T. (*Egypt*)
Lin, Zhi-Bin (*China*)
Man, Ricky Y.K. (*China*)
Mostafa, Mahbub (*Bangladesh*)
Salazar-Bookaman, Margarita (*Venezuela*)
Swick, Andrew G. (*United States of America*)
Su, Ding Feng (*China*)
Williams, Patricia B. (*United States of America*)

3 Summary of Activities

During 2010 the Section strategically positioned itself for improved communication in management, and to improve its visibility and support to its members. In particular, regular (monthly to bi-monthly) teleconference meetings were held prior to hosting the pre-conference Satellite Meeting in Copenhagen, while new initiatives were launched to promote the objectives of the Section. Following the meeting in Copenhagen, the new management continued to build on its strengths in order to address the needs expressed by its members. Currently it has been identified as priority to strengthen

the communication and to encourage active contributions from all councilors, while an extensive web based platform needs to be implemented to enable and stimulate the active participation of all members to realize the objectives of the Section.

The following highlights are noted:

- A **pre-conference Satellite meeting** on *“Empowering Effective Teaching in Pharmacology for a Safer Tomorrow”* had been organized and held from 17-18 July 2010 in Copenhagen, Denmark. The meeting was attended by 100 registered delegates, each selecting two of four workshops titled *“e-Learning and e-Assessment in Pharmacology”*, *“Teaching Pharmacology in a Global Arena”*, *“Active Learning”* and *“Pharmacology Education for Clinical Students”*. Invited speakers included Prof Ian Hughes (*opening lecture*), Prof Olé Bjerrum (*Bridging Industry and Academia in Pharmacology*) and Prof David Bylund (*Teaching and Learning in Pharmacology: Tackling Reductionism*). The Satellite was a scientific and financial success, with active participation and engagement of delegates. Several sponsors and exhibitors contributed to limit expenses, and hence to keep registration fees affordable. Sponsors included ADInstruments, Lundbeck, PharmaDenmark, DMT, WorldPharma2010, IUPHAR, University of Copenhagen and its Faculty of Health Sciences.
- A **Section General Meeting** was held on the 18th of July 2010, during the Satellite meeting, at which Section matters were discussed, the first ByLaws of the Section adopted and new management elected (see officers and councilors listed above).
- The Satellite meeting was followed up by a **workshop** titled *“Pharmacology Education for a Sustainable Future”* during the main conference, WorldPharma2010 (Copenhagen, Denmark). This workshop was also well attended and received. In light of the added value of this workshop (in addition to the Satellite meeting), IUPHAR-Ed intends to reinstate this principle with upcoming World Congresses and even to extend the workshop at the main conference to a full day workshop & plenary lecture. Since many of the delegates to the IUPHAR-Ed Satellite meetings typically do not have access to research grants to afford the attendance of high-cost meetings, it will be requested that such a workshop be held during the first day of the main conference, so that delegates to the Satellite meeting will need only one additional day of accommodation to also attend the workshop at the main conference.
- A **plenary lecture** of IUPHAR-Ed at WorldPharma2010 (Copenhagen, Denmark) was given by Dr Ian Hughes titled *“Teaching pharmacology in 2020”*. Prof Hughes is not only a renowned expert in the education of Pharmacology, but his vast experience, as well as his reflection on the future of this discipline has enlightened delegates, providing key pointers for the way forward.

- As a new initiative the Section successfully launched an **“Early Educator Award”** to recognize and encourage excellence in teaching in all aspects of Pharmacology. A panel of five senior educators formed the selection committee to review and evaluate the applications for the Early Educator Awards, including Prof Olufunmilayo O Adeyemi (*College of Medicine, University of Lagos, Lagos, Nigeria*), Prof Elizabeth Davis (*Dept. Pharmacology, Monash University, Melbourne, Australia*), Prof Margarita Salazar-Bookaman (*Universidad Central de Venezuela, Caracas, Venezuela*), Prof Josep-Eladi Banos (*Universitat Pompeu Fabra, Barcelona, Spain*) and Prof CY Kwan (*China Medical University, Taichung, Taiwan*). Four prizes were awarded to the following individuals:



Dr Suzanne Hansen (*Denmark*)
Basic Pharmacology



Dr David Gurwitz (*Israel*)
Basic Pharmacology



Dr Robert Likić (*Croatia*)
Clinical Pharmacology



De Wet Wolmarans (*South Africa*)
Teaching for Wider Audiences

Three of the four awardees were assigned to a workshop at the pre-conference Satellite meeting, arrived prepared and contributed to the discussions. Hereby the Section also contributed to capacity building, providing a platform for exposure for younger educators. Sponsorship of three of the four Early Educator Awards was received from ADInstruments.

- In addition the Section has awarded four **travel awards** to delegates from poorer countries to attend the aforementioned Satellite meeting, thereby also to improve global networking.
- The Integrative and Organ Systems Pharmacology (**IOSP**) committee, under the leadership of Dr David Bylund until July 2010 and now under the chairmanship of Dr Dave Lewis (Leeds, UK), has been very active and successful to promote

training in experimental pharmacology techniques in developing countries. A separate report in its activities has been submitted. Main activities in 2010 include IOSP Schools in Egypt (Feb 2010) and Kenya (May 2010), as well as an invited lecture by Dr Bylund during the pre-conference Satellite meeting in July, titled *“Teaching and Learning in Pharmacology: Tackling Reductionism”*.

During the main conference a workshop was presented titled *“The IUPHAR initiative in integrative and organ systems pharmacology”*. Three topics were covered as follows: *“Integrative and organ systems pharmacology”* (David B Bylund, USA), *“Initiatives to support integrative (in vivo) pharmacology and physiology research and training in the UK”* (Michael Collis, UK) and *“IOSP in Africa”* (Christiaan B Brink, South Africa).

- **Communication** between members of the Section was informally and kindly maintained via a Yahoo mail list by Mr Adrianta Surjadhana from Indonesia. While this continued in the latter half of 2010, this will be most likely be replaced by formal communication forums and lists facilitated by the envisaged new IUPHAR website. The need for such a communication and collaboration forum is indeed urgent.

4 Membership & Finances

- **Membership** to the Section is by free association of individuals, also stipulated by its **ByLaws**.
- The **finances** of the Section is healthy, with balances from previous donations and the small net surplus from the Satellite meeting in Copenhagen currently assisting the Section to maintain a cash flow for basic running expenses and strategic initiatives. Part of these funds was also utilized to sponsor the four travel awards and one of the four Early Educator Awards for the latest Satellite meeting in Copenhagen 2010. Additional sponsorship will be recruited for the 17th World Congress of Basic and Clinical Pharmacology in South Africa in 2014, to support the participation of an even larger number of individuals from emerging countries.

5 Future activities

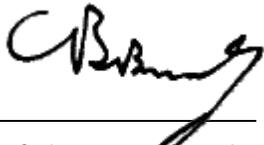
Some of the new activities of the Section have been explained above, and are highlighted here:

- Active participation of all its Executive Committee members, with a particular focus to build on collaboration and engagement of councilors.
- Utilization of the new IUPHAR website as platform to provide a better “value-added” service to its members, including improved communication networks, exchange of innovative ideas and education solutions and a platform for high quality educational resources.

- Strengthening and extending current collaborations and networks of IUPHAR-Ed, which will include participation at educational meetings in poor countries, as well as to strengthen ties with the Division of Pharmacology Education of the American Society for Pharmacology and Therapeutics (ASPET-DPE), the Federation of European Pharmacology Societies (EPHAR) and the Pharmacology for Africa (PharfA) initiative.
- Initial planning for participation at the 17th World Congress of Pharmacology in Cape Town, South Africa. Attendance and active participation of delegates from poorer African countries will also be promoted.

The Section would like to express its gratitude to the University of Copenhagen for their generous support during the Satellite meeting in Copenhagen, as well as the continuous support and advice received from the IUPHAR Executive Committee to enable the implementation of new strategic activities of the Section.

Yours sincerely



Prof Christiaan S Brink
(Chair 2010-2014 – Tiaan.Brink@nwu.ac.za)