

# **GLOBAL CONFERENCE ON THE FUTURE OF HOSPITAL PHARMACY**



**30-31 August 2008, Basel, Switzerland**  
**during the 68<sup>th</sup> International Congress of FIP**  
**Congress Center Basel and Ramada Plaza Basel**



Hosted by the FIP Hospital Pharmacy Section

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## Message from the Hospital Pharmacy Section President

All too often hospital pharmacists are consumed by the here-and-now - keeping their focus firmly on the patients at hand, on the challenges of inadequate staffing or equipment, or shortages of medicines. Many face not only high bed occupancy rates, but also challenging out-patient loads or even responsibility for outlying primary care clinics. There is rarely the opportunity to devote sufficient time to envisioning the preferred future for hospital pharmacy. However, where the profession has taken the time to do so, such events have been milestones in the history of the pharmacy. One such event was the "Direction for Clinical Practice in Pharmacy" conference, held at Hilton Head Island, South Carolina, in February 1985. At the time, Bill Zellmer wrote: "To bring about change within a diverse profession such as pharmacy .... one needs a large number of people pulling in the same direction. Before one can get folks pulling in the same direction, one needs general agreement about the best direction in which to move". This promises to be another of those moments, a unique opportunity to stop, take stock, think, and to plan a way forward for the whole hospital pharmacy profession.

Please allow me to thank the Global Conference Steering Committee for their hard work and effort in developing this event, the officers of the Hospital Pharmacy Section for their guidance and support, and the many sponsors of this event for their financial contributions. In particular, please allow me to recognise our Platinum Sponsor, Cardinal Health, for their generous support.

For the past three years, the FIP Hospital Pharmacy Section has worked in collaboration with hospital pharmacy associations around the globe to develop what is sure to be an historical event. A panel of experts has been gathered to serve as facilitators for each of 6 working groups, each focusing on a different aspect of pharmacy practice in the hospital setting. As participants, each of you will have an opportunity to contribute to one of these working groups, and we look forward to your involvement in these discussions. Those of you who are officially designated representatives of your countries will have a very specific role in reviewing the consensus statements that emerge from our discussions, and which will be adopted on Sunday morning.

Over the next two days, you will be asked to reflect upon the nature of hospital pharmacy practice in your country, and to work together with your colleagues from around the world to develop a vision for what that practice should be in the future. In order to contextualise these deliberations, the FIP Hospital Pharmacy Section has conducted a survey of Global Hospital Pharmacy Practice, the results of which will be presented here for the first time. Many of you have provided the responses for your countries. Responses were received from a total of 84 countries, together representing 82.9% of the world's population. The process will not end here in Basel. Already, the FIP Hospital Pharmacy Section has started planning the next steps. These include not just the dissemination of the outcomes of this meeting, but also academic sessions to be offered at the FIP Congresses in Istanbul (2009) and Lisbon (2010). By joining the FIP Hospital Pharmacy Section, you can be part of this global effort, aimed at ensuring the best possible outcomes from the use of medicines, utilising the unique skills of hospital pharmacists. I am confident that the results of our work at this historical event will lead to success.

On behalf of the FIP Hospital Pharmacy Section, welcome to Basel and to the Global Conference on the Future of Hospital Pharmacy!

**Andy Gray, President**  
**FIP Hospital Pharmacy Section**



## Message from the Steering Committee Chair

On behalf of the Steering Committee of the Global Conference on the Future of Hospital Pharmacy, welcome to Basel! Planning for this historic Conference has taken 3 years and the hard work of many individuals and organizations. I would like to recognize the visionary leadership of our Honorary Co-chairs, Jacqueline Surugue representing the European Society of Hospital Pharmacists (EAHP), and Henri Manasse of the American Society of Health-System Pharmacists (ASHP), both of whom have contributed their individual support and the assistance of the organizations they represent. The officers of the FIP Hospital Pharmacy Section have guided the efforts of our Steering Committee, and this collaborative effort has resulted in the programme we are embarking upon here. Special thanks are due to Bill Zellmer, Vice-Chair of the Steering Committee, Arnold Vulto, Chair of the Programming Subcommittee, and particularly to Satu Siiskonen, who was seconded to the Steering Committee from her post at Erasmus University Medical Center to assist with our planning efforts.

The substantial financial support necessary to conduct this Conference has come from organizational sponsors, including ASHP, EAHP and the Canadian Society of Hospital Pharmacists, and from corporate sponsorship, including a large grant from our Platinum Sponsor, Cardinal Health. Without this support, the Conference would not have been possible. Please join me in thanking all of our sponsors for their generosity.

Throughout the next 2 days, each of you will have the opportunity to shape the future of hospital pharmacy practice... but the work of the Global Conference will not end there. On Tuesday, September 2, a Hospital Pharmacy Section session devoted to the Global Conference will take place, allowing the Section to carry the results of the Conference forward. Over the next several months, written proceedings of the Conference will be published as a special supplement in the American Journal of Health-System Pharmacy. Free and open access to the proceedings will be made available through the AJHP web site, and elements of the proceedings will appear in other journals as well. Our work does not end at the close of the Global Conference on the Future of Hospital Pharmacy... indeed, it will have just begun!

Thank you for your participation in the Conference.

**Lee Vermeulen, Chair**  
**Steering Committee of the Global Conference on the Future of Hospital Pharmacy**

## YOUR HOSTS

### Honorary Conference Co-Chairs

Jacqueline Surugue, EAHP  
Henri R. Manasse, Jr., ASHP

### Hospital Pharmacy Section Officers

Andy Gray, South Africa	<i>President</i>
Stephen J. Curtis, UK	<i>Secretary</i>
Lee Vermeulen, USA	<i>Assistant Secretary</i>
Toby Clark, USA	<i>Treasurer</i>
Roger L. Tredree, UK	<i>Immediate Past President</i>
Rebecca Buckle Nordor, Ghana	<i>Vice President for Africa</i>
Rebekah Moles, Australia	<i>Vice President for Australasia</i>
Jacqueline Surugue, France	<i>Vice President for Europe</i>
Katsushi Yamada, Japan	<i>Vice President for Japan</i>
Marianne F. Ivey, USA	<i>Vice President for North America</i>
Colin Hitchings, UK	<i>Honorary Member</i>

### Steering Committee

Lee Vermeulen, USA	<i>Chair</i>
William A. Zellmer, USA	<i>Vice Chair</i>
Toby Clark, USA	<i>Chair of the Finance Subcommittee</i>
Andy Gray, South Africa	<i>Chair of the Official Representative Subcommittee</i>
Arnold G. Vulto, The Netherlands	<i>Chair of the Programming Subcommittee</i>
Stephen J. Curtis, UK	
Stefan Mühlebach, Switzerland	
Eduardo Savio, Uruguay	
Zhu Zhu, China	
Thomas S. Thielke, USA	
Dick Tromp, The Netherlands	<i>ex officio</i>
Philip J. Schneider, USA	<i>ex officio</i>

### Conference Staff

Satu Johanna Siiskonen, The Netherlands



## ACKNOWLEDGEMENTS

### Speakers

Malebona Precious Matsoso, WHO  
Wen-Shyong Liou, China Taiwan  
Lee Vermeulen, USA

### Facilitators

David Cousins, UK  
Lisa Nissen, Australia  
Ryozo Oishi, Japan  
Eva Ombaka, Kenya  
Rita R. Shane, USA  
Tana Wuliji, FIP

### Recorders

Toby Clark, USA  
Stephen J. Curtis, UK  
Andy Gray, South Africa  
Marianne F. Ivey, USA  
Judith Martin, Switzerland  
Liyun Miao, China  
Rebekah Moles, Australia  
Rebecca Buckle Nordor, Ghana  
Eduardo Savio, Uruguay  
Thomas Thielke, USA  
Roger Tredree, UK  
Katsushi Yamada, Japan

### Fundraising Task Force

Toby Clark, USA, Chair  
Dan Ashby, USA  
Paul Bush, USA  
Mike Flagstad, USA  
Andy Gray, South Africa  
Marianne Ivey, USA  
Jerry Siegel, USA  
Jim Stevenson, USA  
Tom Thielke, USA  
Roger Tredree, UK

### With special thanks to:

Richard Talley, American Journal of Health-System Pharmacy  
Fred Doloresco, USA  
FIP Headquarters Staff

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European Association of Hospital Pharmacists



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## PROGRAMME

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**Friday, 29 August 2008**

**08h00-17h00**

**Registration**

Location: Foyer, Congress Center

**18h00-19h30**

**Welcome reception**

Location: Congress Center

**Day 1: Saturday, 30 August 2008**

**07h30-08h30**

**Registration**

Location: Foyer, Congress Center

**08h30-10h00**

**Plenary session**

Room: San Francisco, Congress Center

*Welcoming address*

Andy Gray, FIP Hospital Pharmacy Section

Henri R. Manasse, Jr., American Society of Health-System Pharmacists (ASHP)

Jacqueline Surugue, European Association of Hospital Pharmacists (EAHP)

David Schlotterbeck, Cardinal Health

*The Future Vision and Challenges for Hospital Pharmacy: The WHO Perspective*

Malebona Precious Matsoso, Director, Public Health, Innovation and Intellectual Property, World Health Organization (WHO)

*A Global Survey of Hospital Pharmacy Practice: Complete Findings*

Lee Vermeulen, University of Wisconsin, USA

**10h00-10h30**

**Break**

**10h30-12h00**

**Introduction to Working Group topics:**

Short presentations by the facilitators of the six working groups

**12h00-17h00**

**Working group sessions** (*Lunch will be served, break 15h00-15h30*)

(Rooms at Congress Center: Singapore, Sydney)

(Rooms at Ramada Plaza: Geneva 1, Geneva 2, Geneva 3, Geneva 4)

**Theme 1: Medicines procurement**

Facilitator: Eva Ombaka, Ecumenical Pharmaceutical Network, Nairobi, Kenya

Recorders: Judith Martin and Stephen Curtis

**Theme 2: Prescribing of medicines**

Facilitator: Lisa Nissen, University of Queensland, Queensland, Australia

Recorders: Liyan Miao and Marianne Ivey

**Theme 3: Preparation and distribution of medicines**

Facilitator: Ryozo Oishi, Kyushu University Hospital, Japan

Recorders: Thomas Thielke and Rebekah Moles

**Theme 4: Administration of medicines**

Facilitator: Rita R. Shane, Cedars-Sinai Medical Center, Los Angeles, California, USA  
Recorders: Andy Gray and Katsushi Yamada

**Theme 5: Monitoring of medication therapy**

Facilitator: David Cousins, National Patient Safety Agency, London, UK  
Recorders: Toby Clark and Rebecca Nordor

**Theme 6: Human resources and training in hospital pharmacy**

Facilitator: Tana Wuliji, International Pharmaceutical Federation (FIP)  
Recorders: Eduardo Savio and Roger Tredree

**Day 2: Sunday, 31 August 2008**

**08h30-11h15**

**Reports from each working group and consensus voting**

Room: San Francisco, Congress Center

**11h15-11h45**

**Break**

**11h45-13h00**

**Final plenary session**

Room: San Francisco, Congress Center

*Opportunities for Global Collaboration*

Wen-Shyong Liou, Taiwan Society of Health System Pharmacists

*Global Conference Conclusions*

Andy Gray, FIP Hospital Pharmacy Section

*Closing remarks and adjournment*

Henri R. Manasse, Jr., ASHP and Jacqueline Surugue, EAHP

**15h00**

**Opening of the 68th International Congress of FIP**

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## SPEAKERS

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### Malebona Precious Matsoso

Malebona Precious Matsoso is a Director in Public Health Innovation and Intellectual Property (PHI) in the office of the Director General, serving as WHO Secretariat on Public Health, Innovation and Intellectual Property. She has been the Director of the Department of Technical Cooperation for Essential Drugs and Traditional Medicines, and has been appointed in this position for two years and nine months. Prior to this she has been the Registrar of Medicines of the National Drug Regulatory Authority in South Africa, the Medicines Control Council. She has been a senior official in the South African Government for nine and a half years and also served as Secretariat of the Southern African Development Community (SADC) harmonization initiative and has coordinated related activities for the region for effective regulation of medicines in the region. She has served in various bodies including Medicines Control Council, which she headed for 7 years, responsible for overseeing 10 technical committees. She has been a member of the National Research Ethics Council in South Africa and has produced over 40 technical guidelines for the medicines regulatory authority in South Africa. She directed the development of the National Drug Policy and the Essential Drugs Programme for South Africa. She has been a member of various advisory panels locally and internationally, mainly tasked with improving access to medicines. As a pharmacist she has worked in both the public and private sector at management level. She completed her pharmacy degree and post graduate diploma in health management in South Africa. She has various certificates and is currently busy with an LLM (Masters in Law and Ethics).

### Wen-Shyong Liou



Dr. Liou had his BS degree in pharmacy at School of Pharmacy, National Defense Medical Center, Taiwan, ROC in 1981, MS degree in Clinical Pharmacy at College of Pharmacy, University of Iowa, Iowa, USA in 1989, and his PhD degree in Social and Administrative Pharmacy at University of Minnesota, Minnesota, USA in 1997. Dr. Liou had been a practice pharmacist at hospital setting for more than 20 years. As a director of Department of Pharmacy Practice in Tri-Service General Hospital, he established some significant systems to improve safety environment for medication use, such as a collaboration mechanism for pharmacist and nurse, and computerized monitoring system for patients with insufficient renal function to adjust their medications and dosage. Dr. Liou served as the president in Taiwan Society of Health-System Pharmacists which is the largest academic/practice organization for hospital pharmacists in Taiwan for 4 years. With his efforts and contributions, the environment for practice pharmacists has been improved. He has also led a national project with more than 2000 hospital pharmacists involved to prepare oseltamivir solution for preventing avian influenza epidemic. He also dedicated his efforts for international collaboration, such as promoting Taiwanese pharmacists to attend the FIP Congress, encouraging and supporting young pharmacists to international meetings and providing learning opportunity for them. In addition, he supported FIP/GPP project for three years. With his contributions, pharmacists from more than 10 countries were gathered in Taipei last December to share the experience and to promote FIP/GPP guidelines. This international collaboration has significantly improved pharmacy practice in some developing countries. As an immediate past president of Taiwan Society of Health-System Pharmacists, he is willing to devote more time on international cooperation and to promote medication safety for patients.

### Lee C. Vermeulen



Lee Vermeulen is the Director of the Center for Drug Policy in the Department of Pharmacy at the University of Wisconsin Hospital and Clinics, and Clinical Associate Professor at the UW-Madison School of Pharmacy. He received a Bachelor's Degree in pharmacy from the University of Buffalo, and a Masters in pharmacy administration from the University of Wisconsin-Madison. He completed residency training in pharmacy practice and pharmacy administration at the University of Wisconsin Hospital and Clinics, and served a fellowship in medical technology assessment at the University HealthSystem Consortium. In his role at the UW Hospital and Clinics, he leads a large team of pharmacists responsible for drug policy analysis and drug formulary management for both his academic medical center and for Unity Health Insurance, an 85,000 member managed care organization owned by the UW Health system. Mr. Vermeulen also conducts health services research with a focus on studies that measure the value of both medication therapy and clinical pharmacy services. He is involved in the evaluation of technology development and diffusion, particularly in the pharmaceutical market, and he publishes annual forecasts of the medication development pipeline and forecasts of the rising cost of medications. His previous scholarly work has focused on measuring the impact of various health-system medication use policies and programs. Mr. Vermeulen is active in several professional organizations, including the Pharmacy Society of Wisconsin, ASHP, ACCP, and currently serves as the Assistant Secretary of the Hospital Pharmacy Section of the International Pharmaceutical Federation (FIP).

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## FACILITATORS OF THE SIX WORKING GROUPS

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### Eva Ombaka (Medicines Procurement)

Dr. Eva M A Ombaka trained as a pharmacist at University of Aston in Birmingham, UK where she also did her PhD research in Pharmaceutical Microbiology. Her 30-year career in pharmacy has spanned hospital practice, academia, and manufacturing. In the last fourteen years she has been involved in pharmaceutical policy development, capacity building for better pharmacy practice and in advocacy. Her main advocacy areas are in the field of access to medicines. She has also been involved in several rational use of medicines (RUM) drugs and therapeutic committee (DTC) courses. She was the winner of Olle Hansson award for 2007 for her work in rational use of medicines. She is currently the coordinator of the Ecumenical Pharmaceutical Network (EPN) that brings church-related health services around the world to address pharmaceutical issues together. She is an honorary pharmaceutical adviser to the World Council of Churches. She is also involved in the work of Sustainable Healthcare Foundation (SHF) that is pioneering the franchising of community-based pharmaceutical services to enable access to essential medicines and other basic health services. Dr. Ombaka is a Tanzanian but is currently working and living in Nairobi, Kenya.



### **Lisa Nissen (Prescribing of Medicines)**

Dr. Lisa Nissen is a senior lecturer in the University of Queensland School of Pharmacy. After a number of years working as a clinical hospital pharmacist and community pharmacist in both rural and metropolitan areas she returned to university to undertake a PhD which she completed in 2002. Her research focuses on the Quality Use of Medicines in the wider community and the expansion of roles for community and hospital pharmacists. This research centres particularly on issues relating to pharmacist prescribing and the expansion of pharmacy practice into other cognitive service delivery areas including diabetes, asthma and pain. Her other areas of interest include telepharmacy, interprofessional education, pharmacoepidemiology and pain management. Lisa is very committed to the continuing professional development of not only pharmacists, but also other health professional groups including medical, nursing, occupational therapy, dentistry and physiotherapy – providing education for undergraduate, postgraduate and continuing professional development groups. Lisa was the 2002 Pharmaceutical Society of Australia Young Australian Pharmacist of the Year, for her contribution to the pharmacy profession in the areas of education and research. She is a past chairman of Society of Hospital Pharmacists of Australia (Queensland) Branch committee, a Fellow of the Society of Hospital Pharmacists of Australia and is a current Pharmaceutical Society of Australia (Queensland) State Councilor.



### **Ryozo Oishi (Preparation and Distribution of Medicines)**

Dr. Oishi received his B.S. and Ph.D. degree in pharmaceutical sciences from Kyushu University. He started to work as Research Associate in Department of Pharmacology, Faculty of Medicine, Kyushu University in 1977. He worked as a postdoctoral research fellow from 1979 to 1981 in Department of Pharmacology, Minnesota University Medical School, USA. He was appointed Assistant Professor in 1982 and Associate Professor in 1985 of Department of Pharmacology, Okayama University Medical School. In 1993, he moved to Department of Pharmacy, Okayama University Hospital, as Associate Professor and Vice Director. In 1994 he assumed his current position, Professor and Director, Department of Pharmacy, Kyushu University Hospital. He is also Professor of Graduate School of Pharmaceutical Sciences, Kyushu University. He has directed his efforts at making the pharmacy practice more efficient and developing the pharmaceutical care to secure the safety and effectiveness of drug therapy. He is also involved in the research to clarify the mechanism of adverse effects of anticancer drugs and contrast media. He has served the Japanese Society of Hospital Pharmacists (JSHP) as a member of the Board of Directors and of the Oncology Pharmacist Education Committee. He has also served the Japanese Society of Pharmaceutical Health Care and Sciences (JSPHCS) as a member of the Board of Directors and the Pharmacy Specialist Education Committee.



### **Rita R. Shane (Administration of Medicines)**

Dr. Rita Shane is Director of Pharmacy Services at Cedars-Sinai Medical Center, a 950 bed acute, tertiary care, teaching institution in Los Angeles and Assistant Dean, Clinical Pharmacy Services, at the University of California, San Francisco, School of Pharmacy. She is responsible for over 200 staff members. Dr. Shane has had a career-long commitment to ensuring that wherever patients need care, there is a demand for pharmacists to ensure optimal management of medications. She has strived to develop a progressive practice environment where pharmacists can use their expertise. Over the years, she has been recognized for her passion for the profession. Dr. Shane is the recipient of the 2007 Pharmacist of the Year award of the Californian Society of Health-System Pharmacists and the Distinguished Service Award of the ASHP Section of Pharmacy Practice Managers. She was the 2005 recipient of the ASHP Distinguished Leadership Award and the 1995 recipient of the John Webb Visiting Professorship in Hospital Pharmacy on management excellence. Dr. Shane is a co-investigator of 2 research studies in collaboration with the UCSF School of Pharmacy and approved by the State Board of Pharmacy to demonstrate the safety and importance of allowing technicians to check technician filled medication cassettes in hospitals. She also worked collaboratively with CSHP to author language in support of this regulatory change which was approved by the State of California, effective January 2007. Dr. Shane was co-investigator of a 2000 National Patient Safety Foundation Research Award to study "The Impact of Dedicated Medication Nurses Upon the Rate of Medication Administration Errors: A Randomized, Controlled Trial" which was subsequently published in the Archives of Internal Medicine. Dr. Shane is an active member of CSHP and ASHP and has served on a number of committees, task forces and councils. She has presented at local, state and national meetings and has published a number of papers in the pharmacy literature most recently on professionalism, specialty pharmacy and strategies for achieving a high performance pharmacy.



### **David Cousins (Monitoring of Medication Therapy)**

Dr. David Cousins is a graduate and postgraduate of the School of Pharmacy, University of London. He completed his doctorate on quality systems for a clinical pharmacy in a district general hospital with the Welsh School of Pharmacy, Cardiff. He is a visiting professor of Pharmacy Practice at the University of Derby. He has been researching and publishing on medication error prevention since 1990. Professor Cousins was appointed as Head of Safe Medication Practice in the National Patient Safety Agency in September 2002. He was Chief Pharmacist in Southern Derbyshire Acute Hospitals Trust since 1983. Before this, he had a series of junior hospital pharmacist posts in Devon and Essex.



### **Tana Wuliji (Human Resources and Training in Hospital Pharmacy)**

Tana Wuliji is a Project Manager for the International Pharmaceutical Federation (FIP) with her main area of work since 2005 relating to the development and coordination of FIP initiatives relating to Human Resources for Health and Pharmacy Education ([www.fip.org/hr](http://www.fip.org/hr) and [www.fip.org/education](http://www.fip.org/education)). She is also a MPhil/PhD candidate at the School of Pharmacy, University of London. Her research aims to examine international trends in pharmacy human resources, including migration; explore key policy issues affecting the pharmacist workforce worldwide; and identify mechanisms to build pharmacy workforce capacity and optimize the effective utilization of skills. Her research also explores country specific contexts in the human resource crisis, particularly in African countries where the workforce shortages are the greatest and includes a country case study on Zambia. Tana is an Advisory Group member of the FIP-WHO Pharmacy Education Taskforce and represents FIP and the World Health Professions Alliance (WHPA) in technical advisory groups on health workforce issues. Tana graduated with a BPharm at the University of Otago, New Zealand in 2002 and was a hospital pharmacist at Hawkes Bay District Health Board, New Zealand, until 2005. She was elected President of the International Pharmaceutical Students' Federation (IPSF) from 2004-2005 ([www.ipsf.org](http://www.ipsf.org)).

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## CONTINUING EDUCATION CREDITS

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### ACPE Programme Number:

ACPE Program #204-999-08-155-L04P (10.0 Contact Hours)

### Learning objectives:

At the conclusion of this programme, the participants will be able to:

- List all of the steps in the medication-use system for hospitalized patients.
- Describe ways to assure the integrity of the drug supply in the hospitals.
- Describe strategies for improving prescribing medicines in hospitals.
- State how the hospital drug distribution system can improve medication-use safety.
- Describe tools for pharmacists to ensure safe and effective medication use in hospitals.
- Discuss key issues related to human resources and training of pharmacists in hospitals.
- Identify the key strategies that should be used to align the capabilities of pharmacists with the needs of hospitalized patients.
- Discuss the appropriate priorities for hospital pharmacy leaders as related to the development status of a country.
- Identify opportunities for global cooperation that will allow every country to achieve their goals for hospital pharmacy.

The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. The Global Conference is cosponsored by ASHP and will be available for continuing education credit for the number of hours indicated. Pharmacists seeking CE credit hours must complete the CE Request Form online and print their CE Statements or complete the paper CE request form and ASHP will mail validated Statements of Continuing Pharmacy Education to them within six to ten weeks after the Congress.



FIP has submitted applications for accreditation to several countries; a complete list will be published on our website [www.fip.org/basel2008](http://www.fip.org/basel2008) and in the Final Programme booklet of FIP Congress 2008.

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## CONFERENCE VENUE

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**Congress Center Basel  
MCH Swiss Exhibition (Basel) Ltd.  
Messeplatz 21  
CH-4058 Basel  
Switzerland**

**Ramada Plaza Basel  
Hotel and Conference Center  
Messeplatz 12  
CH-4058 Basel  
Switzerland**

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## CONTACT US

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**The International Pharmaceutical Federation (FIP) is a world-wide federation of national pharmaceutical associations, with a mission to represent and serve pharmacy and pharmaceutical sciences around the globe. Through its member associations and individual members, FIP connects, represents and serves more than 2 million pharmacists and pharmaceutical scientists around the world.**

**Hospital pharmacists from around the world belong to the Hospital Pharmacy Section of FIP. The Hospital Pharmacy Section, founded in 1957, focuses on education, communication and improving the pharmacy practice in hospitals around the world.**



**International Pharmaceutical Federation (FIP)**

**P.O. Box 84200  
2508 AE The Hague  
The Netherlands  
Tel: +31-70-3021970  
Fax: +31-70-3021999  
Email: [fip@fip.org](mailto:fip@fip.org)  
Website: [www.fip.org](http://www.fip.org)**