Better practice – Science based, evidence driven

FIP World Congress of Pharmacy and Pharmaceutical Sciences 2015

29 September - 3 October 2015
Düsseldorf, Germany

#FIPcongress
HERZLICH WILKOMMEN IN DÜSSELDORF!

Dear colleagues and friends,

The 2015 FIP congress in Düsseldorf, Germany, welcomes practitioners, researchers and academics from all over the world to delve into the issue of working towards the best possible pharmacy practice, which should be based on pharmaceutical sciences and has to be evidence driven.

Here in Düsseldorf you will feel at home. The welcoming Rhineland atmosphere, lifestyle and internationality with these characteristics Düsseldorf attracts around four million overnight guests a year.

As you have experienced now, Düsseldorf is easily accessible, and it is known as the “10 minute city”: a modern bus and rail network ensures quick and easy transport within the city.

You will discover that the Rhineland mentality sees every guest as a temporary Düsseldorfer – you are warmly welcomed with the city’s typical brewery culture and regional cuisine and by friendly and hospitable Rhinelanders.

So, on behalf of FIP and ABDA. Welcome to Düsseldorf! Pharmacists from Germany look forward to meeting their counterparts from around the world right here at the FIP Congress, and we trust that all of you will leave richer in knowledge, experiences, colleagues and friendships!

Mit freundlichen Grüßen,

Friedemann Schmidt
President ABDA
Federal Union of German Associations of Pharmacists

Carmen Peña
President FIP
International Pharmaceutical Federation

YOUR HOSTS

International Pharmaceutical Federation (FIP)

Federal Union of German Associations of Pharmacists (ABDA)

VENUE

Congress Center Düsseldorf
Stockumer Kirchstraße 61
40276 Düsseldorf
Germany
www.ccd.de/en

STATIONS:
Bus 722
Underground line U78
Underground line U79
YOUR HOSTS

INTERNATIONAL PHARMACEUTICAL FEDERATION (FIP)
Carmen Peña
President
Michel Buchmann
Immediate Past President
Luc Besançon
General Secretary & Chief Executive Officer
Ema Paulino
Professional Secretary
Henk de Jong
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Dominique Jordan
Scientific Secretary
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Honorary President

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FIP Staff, Policy Analyst & Project Coordinator
Paula Cohen
FIP Staff, Secretary

THE FEDERAL UNION OF GERMAN ASSOCIATIONS OF PHARMACISTS (ABDA)
is the co-host for FIP Düsseldorf 2015, in partnership with a wide range of pharmacy organisations in Germany, and representative of all sectors of German pharmacy

Friedemann Schmidt
President of ABDA & Chair of the Local Host Committee
Martin Schulz
Vice-Chair of the Local Host Committee
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Member
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Member

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Chief Operating Officer & Congress Director
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Rachel van Kesteren
Executive Secretary
Lin-Nam Wang
Communication Manager

CONGRESS INFORMATION
FIP Congresses & Conferences
Andries Bickerweg 5
2517 JP The Hague
The Netherlands
Office opening hours: Monday to Friday 09:00 – 17:00 CET
Tel.: +31 70 3021982
Fax: +31 70 3021998
E-mail: congress@fip.org
Website: www.congress.pharmacy

CONGRESS REGISTRATION, HOUSING & ABSTRACT HANDLING
MCI Amsterdam
Jan van Goyenkade 31
1075 HP Amsterdam
The Netherlands
Office opening hours: Monday to Friday 09:00 – 17:00 CET
Tel.: +31 20 6793413
Fax: +31 20 6737306
E-mail: FIP@mci-group.com

OFFICIAL CARRIER

Lufthansa Group Partner Airlines is the official carrier for this congress, offering a comprehensive global route network linking major cities around the world, with special prices and conditions to participants, visitors, exhibitors and invited guests of FIP and their travel companions. Event code: NLZETO

FIP GRATEFULLY ACKNOWLEDGES THE SUPPORT OF:

PUBLIC TRANSPORT TO THE CONGRESS CENTER DÜSSELDORF
From the main station to the stop Ost / Stockumer Kirchstraße
- Underground line U78 direction Duisburg Meiderich Bf or
- Underground line U79 direction D - LTU arena / Messe Nord

From there you can walk via the Stockumer Kirchstraße, to the CCD (Congress Center Düsseldorf), or take the 722 bus to the last stop CCD Sud/Stadthalle.
REGISTRATION

REGISTRATION FEES FIP 2015 (including 19 % VAT)

<table>
<thead>
<tr>
<th>Service</th>
<th>On site excl. VAT</th>
<th>On site incl. VAT</th>
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<tr>
<td>FIP Individual member</td>
<td>€ 1,000,00</td>
<td>€ 1,190,00</td>
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<tr>
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<td>€ 1,000,00</td>
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<tr>
<td>Student/Recent graduate</td>
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<tr>
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<tr>
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<td>€ 450,00</td>
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<td>Accompanying person</td>
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<td>€ 95,20</td>
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<td>Fun Run</td>
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<tr>
<td>Young Pharmacists’ Night</td>
<td>€ 35,00</td>
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REGISTRATION DESK
The registration desk at the Congress Center Düsseldorf will be open:
- Monday 28 September to Friday 2 October 2015
  from 08:00 – 18:00
- Saturday 3 October 2015
  from 08:30 – 14:30

PAYMENT OF REGISTRATION FEE
All fees must be paid by credit card (Visa, Mastercard or American Express), or in cash in Euro.

The registration fee for participants includes:
• Admission to all sessions
• Opening Ceremony
• Welcome Reception
• Entrance to expopharm (exhibition)
• Coffee/tea breaks
• Daily lunch box from 30 September until 3 October 2015 (distributed in the Wintergarden)
• Access to all submitted abstracts and biographies at www.fip.org/abstracts
• Congress bag with programme/list of participants (name and country of participants registered and paid by 15 August 2015)
• Access to a website where you can download the presentation slides (available as of 1 November 2015; all participants will receive an email notification)

The registration fee for accompanying persons includes:
• Opening Ceremony
• Welcome Reception
• Entrance to expopharm (exhibition)
• Coffee/tea breaks
• Daily lunch box from 30 September until 3 October 2015 (distributed in the Wintergarden)
Please note that the fee for accompanying persons does NOT include admission to the sessions.

TERMS OF CANCELLATION
- As of 1 September 2015, the registration fee will not be refunded.
- The terms of cancellation are applicable in all circumstances, also if a visa is officially refused to the participant and/or accompanying person.
Replacements or name changes are handled as cancellations.

ABSTRACT CERTIFICATE
If you would like to receive a Certificate for Oral or Poster presentation, please make sure to collect it at the congress registration desk as of Thursday 1 October 2015.

CERTIFICATE OF ATTENDANCE
If you would like to receive a Certificate of Attendance, please collect it at the congress registration desk as of Thursday 1 October 2015. Certificates will not be sent after the congress. Accompanying persons will not receive a Certificate of Attendance.

A confirmation of session attendance (listing the sessions you attended during the congress) is offered to congress participants after the congress for accreditation purposes only. For a list of countries where the FIP Congress is accredited and instructions how to receive this confirmation, please see page 14/15.
Dear Pharmacist,

Thank you for registering for the 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences 2015 in Düsseldorf.

Please note that for registration for the congress in Germany, German VAT will be charged to you. If you are registered in your home country as a VAT taxable person, this German VAT - under further conditions (as set out below) - can be refunded to you.

Please take the following into account:

**PARTICIPANTS ESTABLISHED IN GERMANY**

You may recover the VAT charged in your local VAT return (Umsatzsteuer-Voranmeldung).

**PARTICIPANTS ESTABLISHED IN ANOTHER EU MEMBER STATE**

Basic conditions for refund
- A refund of German VAT can be requested if:
  - You did not supply any goods or services in Germany during the refund period when the German VAT was charged to you.
  - You did not supply any goods or services in Germany during the refund period.

How to apply for the refund
To obtain a refund of German VAT, you must address an electronic refund application for German VAT and submit it to the Member State of establishment. Please note that some Member States require you to request for a separate login code and password before you can access the electronic portal.

Which information should be included in the refund application?

**GENERAL INFORMATION**
1. Your name and full address
2. Your address for contact by electronic means (an e-mail address)
3. A description of your business activities for which the goods and services are acquired (pharmacist)
4. The refund period covered by the application
5. A declaration that you have not supplied goods and services that are deemed to have been supplied in Germany during the refund period.
6. Your VAT identification or tax number.
7. Bank account details, including IBAN and BIC.

**INFORMATION ABOUT THE SUPPLIER (FIP):**
Please see our invoice
- Our name and full address.
- Our German tax number.
- The prefix of the member State of refund. For Germany this is the code DE.
- Date and number of the invoice.
- Taxable amount (invoice amount) and amount of VAT in euros.
- The amount of deductible VAT.
- The deductible proportion (the right to deduct input-VAT).
- The nature of the goods and services acquired (see below).

In the refund application, the nature of the goods and services that are purchased should be given. Certain codes should be used for this description. In this case, the following code is applicable:

**Code 8: admissions to fairs and exhibitions.**

Specific requirements for Germany
- Deadline: The refund application must be submitted within six months after the calendar year in which the costs arose.
- The language of the refund request may be either German of English.
- The reciprocity principle is applied, i.e. if your country refunds local VAT to German taxable persons, Germany will refund German VAT to you. Participants from other countries may not be eligible for a refund of VAT.

**How to apply for the refund**
To obtain a refund of German VAT, you must address a refund application for German VAT and submit it to the Bundeszentralamt for Steuern (BZSt) via a legally prescribed form. We refer to the following link:

www.bzst.de/EN/Steuern_International/Vorsteuerverguetung/Vorsteuerverguetung_node.html

In the end, you must submit a written (printed) request to the BZSt. However, upfront you can submit it also electronically.

**Which information should be included in the refund request?**

**GENERAL INFORMATION**
- Deadline: The refund application must be submitted within six months after the calendar year in which the cost of the service was used.
- The application should be written in German language.
- The refund must at least be € 1,000; unless it is less than € 1,000 for a total calendar year or the last part of a calendar year in which the costs were incurred. In that case, the respective fee must therefore be at least € 500.
- The refund application should then contain both the net invoice amount and the German VAT amount of the invoice.
- Furthermore a specification ("Einzelauflistung") should be added to the request. The specification does not need to specify on an invoice level for which taxable activity the service was used, but can mention in general for which the service was used.
- The original invoices must be included in the refund request. In case of electronic invoicing, the tax authority requires two items for this: a copy of the invoice and the email containing the electronic invoice on an USB stick in order to prove the integrity of the electronic invoice. It is possible to submit the copy of the electronic invoice first and hand in the data carrier with the invoice-email later. However, for a quick processing of your refund application, you should submit both items at the same time.
- The refund request should be signed and a certificate of taxable status should be added to the request.
INTRODUCTION OF FIP

The International Pharmaceutical Federation (FIP) is the global body representing pharmacy and pharmaceutical sciences, founded in 1912. Through our 132 national organisations, academic institutional members and individual members, we represent over three million pharmacists and pharmaceutical scientists around the world.

FIP is a non-governmental organisation that has been in official relations with the World Health Organization since 1948. Through our partnerships and our extensive global pharmacy and pharmaceutical sciences network, we work to support the development of the pharmacy profession, through practice and emerging scientific innovations, in order to meet the world’s healthcare needs and expectations.

INTRODUCTION OF ABDA

With more than 20,000 pharmacies and a population of more than 80 million, Germany has a pharmacy density of 25 pharmacies per 100,000 inhabitants. In fact, the total number of pharmacies in Germany has slightly decreased in recent years. In Germany, only pharmacists may operate a pharmacy. This principle signals the personal responsibility and accountability of self-employed pharmacists in the healthcare sector. In its ruling of 19 May 2009, the European Court of Justice confirmed that the ban on third-party ownership in Germany is an acceptable and effective tool of customer protection.

ABDA – the Federal Union of German Associations of Pharmacists - is the umbrella organisation of more than 60,000 pharmacists in Germany. Members of the ABDA include the country’s 17 chambers of pharmacists and 17 associations of pharmacists. The chambers of pharmacists are syndicated in the Federal Chamber of Pharmacists (BAK), while the associations of pharmacists are syndicated in the German Pharmacists’ Association (DAV).
If you wish to obtain your Continuing Education points in the countries listed below, you can apply for a confirmation of session attendance (listing only the sessions you attended during the congress; business meetings and other non-educational events are not accredited). Please note that you have to apply for this confirmation through our website www.congress.pharmacy between 5 October and 1 November 2015.

You are strongly urged to respect this deadline because FIP will not be able to issue this after 1 November 2015. Confirmations will be issued for accreditation purposes in the listed countries only.

AUSTRIA

The congress sessions of the FIP World Congress 2015 are automatically accredited in Austria, as agreed with the ÖAK (Österreichische Apothekerkammer – Federal Chamber of Pharmacists, number F20141005). Austrian participants are advised to acquire a confirmation of session attendance.

GERMANY

The congress sessions have been accredited by the Federal Chamber of Pharmacists of Germany (Bundesapothekerkammer) and have been approved for pharmacists and pharmaceutical technicians. The event has been assigned the accreditation-no. BAK 2014/388, category 2: Congress. According to the CPE-guideline for Pharmacists and Pharmaceutical Technicians of the Federal Chamber of Pharmacists, participants may be granted:

1 Credit point/45 minutes of attendance to the congress sessions, limited to 8 points a day in the category 2: Congress (maximum 43 points/participant).

Macedonia (FYROM)

The 75th International Congress of FIP is recognised as a valid form of continuing education by the Pharmaceutical Chamber of Macedonia and has been accredited according to the Chamber’s legal act. Participants from Macedonia are advised to acquire a confirmation of session attendance.

NETHERLANDS

The congress sessions are accredited by the Royal Dutch Association for the Advancement of Pharmacy (KNMP) for community pharmacists. They can list their participation in PE-online on the basis of the hours of attendance. The Registration Committee will honour those continuing education hours (max. 20 hours) on the basis of the confirmation of session attendance delivered by FIP.

NORWAY

The International FIP Congress is recognised as a valid form of continuing education by the Norwegian Pharmacists’ Association. Norwegian participants are advised to acquire a confirmation of session attendance.

PORTUGAL

The FIP Congress programme has been approved by the Portuguese Pharmaceutical Society (Ordem dos Farmacêuticos) as a valid activity under the continuous professional development credit system. Attendance of this event is awarded with a maximum of 2,65 CPD credit points. The participants under the Portuguese system of license revalidation are advised to acquire a confirmation of session attendance.

SERBIA

The 75th International Congress of FIP is recognised as a valid form of continuing education by the Pharmaceutical Chamber of Serbia. Serbian participants are advised to acquire a confirmation of sessions attendance. The following credits will be awarded:

- up to 6 hours - 3 points;
- 6-12 hours - 6 points;
- more than 12 hours - 9 points.

SWEDEN

The International FIP Congress is recognised as a valid form of continuing education by the Swedish Pharmacists’ Association. Participants are entitled to a maximum of 20 FOKUS points.

SWITZERLAND

The content of the congress sessions is endorsed by the Royal Pharmaceutical Society.

UNITED KINGDOM

The content of the congress sessions is endorsed by the Royal Pharmaceutical Society.

UNITED STATES

FIP is an ACPE-accredited provider of continuing pharmacy education. Participants wishing to be awarded with ACPE credits should submit their NABP e-profile identifier number and date of birth when registering for the FIP congress. After CPE units are processed by the ACPE and NABP, pharmacists will be able to login to a comprehensive electronic profile via the CPE monitor. The FIP ACPE provider identification number is 0579.

Please note that only selected sessions are ACPE accredited, they are indicated by ACPE next to the session number. For ACPE credits no confirmation of session attendance is required.
GENERAL EVENTS

COUNCIL MEETINGS
Monday 28 September 2015, 14:00 – 18:00
Tuesday 29 September 2015, 09:00 – 12:00
Saturday 3 October 2015, 14:00 – 16:00
(simultaneous translation for official delegates)

Room 3
Official representatives from FIP Member Organisations and Observer Organisations can be admitted to the Council Meetings (one delegate per organisation). Each representative has to submit a written proof that he/she has been officially appointed to represent his/her organisation. The Council Meetings will also be attended by the FIP Bureau Members and Section representatives.

This year for the first time, FIP Individual Members are welcome to attend most of the Council Meetings, but only as a silent audience. You will be asked to show your FIP membership card at the entrance of the room.

OPENING CEREMONY
Tuesday 29 September 2015, 15:00 – 17:00
Stadhalle (Hall XY)

The Opening Ceremony will take place in the Stadhalle, the “Town Hall” of the Congress Center Düsseldorf. Please be on time as a high number of attendees are expected. The Opening Ceremony is open to all registered participants and their registered accompanying persons.

14:00 – Doors open for guests
14:30 – Guests seated
15:00 – Official start

Welcome by the Master of Ceremonies
Ilka Groenewold

Welcome on behalf of the International Pharmaceutical Federation (FIP)
Carmen Peña, FIP President

Welcome on behalf of the Federal Union of German Associations of Pharmacists (ABDA)
Friedemann Schmidt, ABDA President

Welcome on behalf of the Federal Ministry of Health Germany
Lutz Stroppe, Permanent State Secretary

Official opening of the congress
Presidential address
Carmen Peña, FIP President

Oath for Pharmacists
Luc Besançon, FIP General Secretary & Chief Executive Officer

Entertainment

Awards in Recognition of Excellence

FUNCTIONS

Andre Bédat Award
The Andre Bédat Award recognises a pharmacist who is an outstanding practitioner and has made significant contributions to pharmacy at an international level. It is the highest practitioner’s award of FIP and this year its recipient is Dr Thomas Lönngren.

Thomas Lönngren is a Swedish pharmacist who was educated at Uppsala University. He has spent most of his career in the regulatory field, the first 20 years in Sweden, where he was the deputy director-general of the Swedish Medical Products Agency. In 2001, he became the executive director of the European Medicines Agency (EMA), a position he held until December 2010. Dr Lönngren has performed a pivotal role within the European drug regulatory system and is recognised internationally as a key influencer in the pharmaceutical sector, through active international collaborations and greater engagement and consideration of patients in regulatory decisions, as well as implementing increased transparency at the EMA.

Host Madsen Medal
The Host Madsen Medal is the highest pharmaceutical sciences award of FIP and is given, every two years, to an eminent pharmaceutical scientist who has particularly distinguished him- or herself through research.

This year, the Host Madsen Medal is awarded to Professor Hans Junginger.

Hans Junginger is an internationally recognised researcher renowned for his outstanding contributions in the field of mucosal barrier modulation and drug absorption control. His research has included buccal and peroral (peptide) drug delivery, peroral and nasal immunisation with particulate systems, skin barrier modulation, chemical enhancement and visualisation of transport routes, electrical enhancement by iontophoresis, vesicle-based carrier systems for transdermal application and chip-based transdermal vaccination using nanorods. From 2003 to 2008, he was a visiting professor at four different universities in Asia and Europe.

Lifetime Achievement in Pharmaceutical Practice Award
The FIP Lifetime Achievement in Pharmaceutical Practice Award recognises an individual who has, over many years, contributed to the development of the practice of pharmacy and who has been engaged with the work of FIP.

This year, the award will be given to Professor David K. Raynor.

David K. Raynor practised as a hospital pharmacist in the UK for 20 years before moving into academia in 1996. Professor Raynor’s research focuses on the effective provision of consumer medicines information — the written and spoken information people get with their medicines. He has worked at research, practice and policy levels in the UK, USA and Australia. He became the inaugural professor of pharmacy practice at the University of Leeds in 2000, developing a highly active research programme. Currently he is emeritus professor at the University of Leeds.

Distinguished Practice Award
FIP’s Distinguished Practice Award recognises an individual or group that has made an outstanding contribution to pharmaceutical practice and who has been engaged with the work of FIP.

This year, the recipient of the Distinguished Practice Award will be: Dr Régis Vaillancourt.

Régis Vaillancourt graduated in pharmacy at the University Laval in Quebec City, Canada. He has made an outstanding contribution to the practice of pharmacy at both national and international level. He has been a valued supporter of FIP and has made significant contributions to our work at many levels. His practice has always been diverse and rich. He served for 22 years as a pharmacist in the Canadian Armed Forces, and, since 2005, he has been the director of pharmacy at the Children’s Hospital of Eastern Ontario, Ottawa. In his spare time, Dr Vaillancourt is also a community pharmacist and has been involved in many boards of professional associations and regulators in Canada. He has always been interested in international matters and served as president of FIP’s Military and Emergency Pharmacy Section before becoming an FIP vice president in 2008. He has been instrumental in the success of the FIP Pictograms Project.

FIP Fellows (FIFP)
FIP fellowship recognises individual members of FIP who have exhibited strong leadership internationally, who have distinguished themselves in the pharmaceutical sciences and/or practice of pharmacy, who have contributed to the advancement of the pharmaceutical sciences and/or practice of pharmacy, and who have served FIP.

This year, FIP fellowships will be given to:
- Claire Anderson (UK)
- Jane Dawson (New Zealand)
- Jennifer Dressman (Germany)
- Linda Hakes (Germany)
- Dominique Jordan (Switzerland)
- Jennifer Marriott (Australia)
- Rebekah Miles (Australia)
- Hiroshi Suzuki (Japan)
- Agathe Wehrli (Switzerland)
- Albert I. Wertheimer (USA)
- Nobuo Yamamoto (Japan)

Joseph A. Oddis Award for Exceptional Service to FIP
The Joseph A. Oddis Award is given on an ad hoc basis to officers of FIP or individuals who have rendered exceptional service to FIP.

This year, the award will be given to Professor Henri R. Manasse, Jr.

Henri R. Manasse, Jr., was executive vice president and chief executive officer of the American Society of Health-System Pharmacists (ASHP) from 1997 to 2012. He served as ASHP executive vice president and chief executive officer emeritus. He received his Bachelor of Science in pharmacy from the University of Illinois, a Master of Arts in educational psychology from Loyola University of Chicago, and a PhD in pharmacy administration from the University of Minnesota. From 2005 to 2013, Professor Manasse served as FIP’s president, and was made an FIP fellow in 2008. As professional secretary, he expanded his work in FIP’s strategic initiative of FIP in the global reform of pharmacy education, and served as FIP’s Steering Committee chair until August this year.

For all previous award winners, please visit www.fip.org/awards

FIP Foundation for Education and Research presentation
Thony Bjork, Chairman of the FIP Foundation

Closing entertainment
If presenters hang their poster too early or do not remove their poster in time, FIP is not responsible for any damage that might happen to the poster when it has to be removed by staff members.

FIP wishes to express a special thank you to all reviewers, co-reviewers and mentors:

**ABSTRACT MENTORS AND (CO-)REVIEWERS FOR FIP DÜSSELDORF 2015**

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<td>Nahoko Kurosawa</td>
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<tr>
<td>FIPEd 1</td>
<td>Andreia Bruno</td>
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<td>FIPEd 2</td>
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<td>Hospital Pharmacy Section 1</td>
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<td>Hospital Pharmacy Section 2</td>
<td>Rebekah Moles</td>
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<td>Gabrielle Wiederkhe</td>
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<td>Military and Emergency Pharmacy Section 1</td>
<td>Jane Dawson</td>
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<tr>
<td>Military and Emergency Pharmacy Section 2</td>
<td>Wendy Walker</td>
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<td>Health &amp; Medicines Information Section 2</td>
<td>Marielle Nieuwhof</td>
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<td>SIG on Regulatory Sciences</td>
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<td>SIG Drug Design and Discovery 1</td>
<td>Takuya Kumamoto</td>
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<tr>
<td>SIG Drug Design and Discovery 2</td>
<td>Ulrike Holzgrabe</td>
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<td>SIG Formulation Design and Pharmaceutical Technology 1</td>
<td>Giovanni Pauletti</td>
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<tr>
<td>SIG Formulation Design and Pharmaceutical Technology 2</td>
<td>Jayne Lawrence</td>
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<td>SIG Pharmacokinetics/Pharmacodynamics &amp; Systems Pharmacology 1</td>
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<tr>
<td>SIG Pharmacokinetics/Pharmacodynamics &amp; Systems Pharmacology 2</td>
<td>Hitoshi Suzuki</td>
</tr>
<tr>
<td>SIG Pharmacokinetics/Pharmacodynamics &amp; Systems Pharmacology 3</td>
<td>Masoud Jamei</td>
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<td>SIG Natural Products 1</td>
<td>Michiho Ito</td>
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<tr>
<td>SIG Natural Products 2</td>
<td>Joy van Oudshoorn</td>
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<tr>
<td>SIG Translational Research and Individualized Medicines 1</td>
<td>Hitoshi Sasaki</td>
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<td>SIG Translational Research and Individualized Medicines 2</td>
<td>Majid Moridani</td>
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<tr>
<td>SIG Analytical Sciences and Pharmaceutical Quality 1</td>
<td>Masaru Kato</td>
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<td>Andrew Teasdale</td>
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<tr>
<td>IG Biotechnology 1</td>
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<tr>
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<td>Dharmesh Desai</td>
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<tr>
<td>Pharmacy Technicians Symposium 1</td>
<td>Susan James</td>
</tr>
<tr>
<td>Pharmacy Technicians Symposium 2</td>
<td>Arijana Metstović</td>
</tr>
<tr>
<td>Pharmacy Technicians Symposium 3</td>
<td>Andrew Brown</td>
</tr>
</tbody>
</table>
**POSTER SESSION OVERVIEW**

The allotted timeslots for hanging up posters should be strictly observed.

### MONDAY 28 AND TUESDAY 29 SEPTEMBER 2015

**Location:** Foyer Room 6

<table>
<thead>
<tr>
<th>Pharmacy Technicians</th>
<th>POS-PHT-001</th>
<th>POS-PHT-012</th>
<th>12</th>
<th>Hang up poster on Monday between 08:00 and 09:00 Be at poster board on Monday between 12:00 and 14:30 Take down poster on Tuesday between 13:00 and 14:00</th>
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### WEDNESDAY 30 SEPTEMBER AND THURSDAY 1 OCTOBER

**Location:** Poster Area Exhibition Hall

<table>
<thead>
<tr>
<th>Community Pharmacy</th>
<th>POS-CPS-001</th>
<th>POS-CPS-137</th>
<th>137</th>
<th>Hang up poster on Wednesday between 08:00 and 09:00 Be at poster board on Wed/Thu between 12:00 and 14:30 Take down poster on Thursday between 14:00 and 15:00</th>
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<tr>
<td>Health and Medicines Information</td>
<td>POS-HMI-001</td>
<td>POS-HMI-035</td>
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<td>Hospital Pharmacy</td>
<td>POS-HPS-001</td>
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<tr>
<td>Industrial Pharmacy</td>
<td>POS-IPS-001</td>
<td>POS-IPS-007</td>
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### FRIDAY 2 AND SATURDAY 3 OCTOBER

**Location:** Poster Area Exhibition Hall

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<thead>
<tr>
<th>Academic Pharmacy</th>
<th>POS-APS-001</th>
<th>POS-APS-075</th>
<th>75</th>
<th>Hang up poster on Friday 2 October between 08:00 and 09:00 Be at poster board on Fri/Sat between 12:00 and 14:30 Take down poster on Saturday 3 October between 14:00 and 15:00</th>
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<tbody>
<tr>
<td>Analytical Sciences and Pharmaceutical Quality</td>
<td>POS-ASP-001</td>
<td>POS-ASP-016</td>
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<tr>
<td>Biotechnology</td>
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<td>Clinical Biology</td>
<td>POS-CBS-001</td>
<td>POS-CBS-008</td>
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<tr>
<td>Drug Design and Discovery</td>
<td>POS-DDD-001</td>
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<td>Formulation Design and Pharmaceutical Technology</td>
<td>POS-FDP-001</td>
<td>POS-FDP-053</td>
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<tr>
<td>History of Pharmacy</td>
<td>POS-HP-001</td>
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<td>Military and Emergency Pharmacy</td>
<td>POS-MEP-001</td>
<td>POS-MEP-004</td>
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<td>Natural Products</td>
<td>POS-NPR-001</td>
<td>POS-NPR-023</td>
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<tr>
<td>Pharmacokinetics/Pharmacodynamics &amp; Systems Pharmacology</td>
<td>POS-PAA-001</td>
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<td>Regulatory Sciences</td>
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<td>Social and Administrative Pharmacy</td>
<td>POS-SAP-001</td>
<td>POS-SAP-058</td>
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<tr>
<td>Translational Research and Individualised Medicines</td>
<td>POS-TRI-001</td>
<td>POS-TRI-002</td>
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</tr>
</tbody>
</table>
Wednesday 30 September until Saturday 3 October 2015, 09:00 – 18:00
Exhibition Halls 3, 4 and 5, South entrance

The FIP exhibition is an integral component of expopharm, the biggest pharmaceutical trade fair in Europe. With more than 25,000 trade visitors and over 500 exhibitors from 42 countries, this is the most important platform of 2015 for all decision-makers in the pharmaceutical market.

Admission
All FIP Congress registered participants and registered accompanying persons have free admission to the exhibition by showing their badges.

Contact:
Werbe- und Vertriebsgesellschaft Deutscher Apotheker mbH
Anne Thürmer
P.O.Box 6114
65735 Eschborn / Germany
Tel.: +49 6196 928 821
Fax: +49 6196 928 404

Next year expopharm is the largest exhibition in Europe with 500 booths and over 25,000 visitors. Next year it will take place in Munich from 12 to 15 October 2016. If you are interested in knowing more about opportunities next year please visit www.expopharm.de or contact us on info@expopharm.de

FIP MEMBERSHIP
Did you know you can become an individual member of FIP? Choose one of the sections, such as community, hospital or academic pharmacy, and connect to the global pharmacy network. If you renew your individual membership or become a member you’ll receive one of the new “FIP Member” pins at the FIP booth in the exhibition hall.

FIP FOUNDATION
Our goal at the FIP Foundation is to develop programmes to support and develop pharmacy practice worldwide. This year we have a special edition FIP Foundation mug that you can buy at the FIP booth to help us keep working towards this goal. Only with your support we can continue seeding opportunities!

WHAT ELSE?
At the FIP booth you can find out about new projects that FIP has been working on in the fields of education, pharmacy practice and pharmaceutical sciences. You’ll also be able to get the latest information about our Pictogram project.

WHERE?
The FIP booth can be found within the expopharm exhibition, Hall 3, booth G77. Also there you will find two booths with information on FIP’s next congresses.
SOCIAL EVENTS

WELCOME RECEPTION
Tuesday 29 September 2015, 17:00 – 19:00
Foyer Stadthalle (Hall XY)
The German Host Committee invites all participants and accompanying persons for a warm and festive Welcome Reception, immediately after the Opening Ceremony. All guests will be treated to drinks, in a perfect setting for catching up with old friends and making new ones.

FIRST TIMERS MEETING
(By invitation for first time participants only)
Tuesday 29 September 2015, 13:00 – 14:00
Room 3
At the First Timers meeting, those who are new to FIP Congresses can meet representatives from FIP Sections and Special Interest Groups; it will be a great opportunity for congress first timers to exchange ideas, meet interesting people and become involved in FIP’s global network and the wide range of projects the Federation runs.

FIP FUN RUN
Thursday 1 October 2015, 06:45 – 08:00
Departure from Entrance Stadthalle Congress Center
Düsseldorf
For a fourth year the FIP Congress will include a 5km Fun Run, along the banks of the river Rhine. The FIP Fun Run is an excellent event promoting health and wellbeing, and an alternative networking opportunity for FIP delegates. We have asked runners to register their interest in advance, as places are limited. The 10 Euro fee is a donation to the FIP Foundation for Education and Research, which works to advance the pharmacy profession.

YPG (YOUNG PHARMACISTS’ GROUP) EVENING
Thursday 1 October 2015, 19:30
Uerige Hausbrauerei
Berger Straße 1
40213 Düsseldorf
Join young pharmacists and students from across the globe to network and celebrate all things pharmacy. This event will no doubt provide lasting memories of your time at the FIP Congress in Düsseldorf. Tickets are for sale at the registration desk.

SECTION DINNERS
Friday 2 October 2015, 20:00 – 22:30
Academic Pharmacy Section dinner (Brauhaus)
Clinical Biology Section dinner (Brauhaus)
Industrial Pharmacy Section dinner (Stikum Saal)
Uerige Hausbrauerei
Berger Straße 1
40213 Düsseldorf

Community Pharmacy Section dinner
Hilton Hotel
Georg-Glock-Straße 20
40474 Düsseldorf

Health & Medicines Information Section dinner
Im Goldenen Ring
Burgplatz 21
40213 Düsseldorf

Hospital Pharmacy Section dinner (Düsseldorfer Stube)
Social and Administrative Pharmacy Section dinner
(Braumeisterstube)
Schumacher Stammhaus
Oststraße 123
40210 Düsseldorf

CLOSING DINNER
Saturday 3 October 2015, 19:30 – 23:00
Rheinterrasse
Joseph-Beuys-Ufer 33
40479 Düsseldorf
The Closing Dinner will be an exceptional and memorable evening, treating participants to a spectacular closure of this year’s FIP Congress!

DINNER TICKETS
You can purchase tickets for all the above mentioned dinners at the onsite registration desk in the registration area.
### OVERVIEW OF SESSIONS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONDAY</td>
<td>Morning</td>
<td>Stadthalle (Hall XY)</td>
<td>Room 1 Room 2 Room 3</td>
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<tr>
<td>28 September 2015</td>
<td>Morning</td>
<td></td>
<td>Pharmacy Technicians Symposium</td>
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<tr>
<td></td>
<td>Afternoon</td>
<td></td>
<td>2nd Council Meeting</td>
</tr>
<tr>
<td>TUESDAY</td>
<td>Morning</td>
<td></td>
<td>Pharmacy in Germany</td>
</tr>
<tr>
<td>29 September 2015</td>
<td>Morning</td>
<td></td>
<td>2nd Council Meeting</td>
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<td>Lunch time</td>
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<td>First Timers Meeting</td>
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<tr>
<td></td>
<td>Afternoon</td>
<td></td>
<td>Opening Ceremony and Showcase</td>
</tr>
<tr>
<td>WEDNESDAY</td>
<td>Morning</td>
<td></td>
<td>A1 Opening session - Defining evidence-based use of medicines</td>
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<tr>
<td>30 September 2015</td>
<td>Lunch time</td>
<td></td>
<td>E14 Pharmacy in Germany</td>
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<td>Afternoon</td>
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<td>E14 Pharmacy in Germany</td>
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<tr>
<td></td>
<td>Lunch time</td>
<td></td>
<td>A1 Opening session - Defining evidence-based use of medicines</td>
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<tr>
<td></td>
<td>Afternoon</td>
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<td>E14 Pharmacy in Germany</td>
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<td>Late afternoon</td>
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<td>First Timers Meeting</td>
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<td>Opening Ceremony and Showcase</td>
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<tr>
<td>THURSDAY</td>
<td>Morning</td>
<td></td>
<td>D4 Quality assurance in a global context</td>
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<tr>
<td>2 October 2015</td>
<td>Lunch time</td>
<td></td>
<td>D6 Using database [Part 1] Information Mastery</td>
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<td></td>
<td>Afternoon</td>
<td></td>
<td>D8 “Getting personal”</td>
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<td>D9 Inter-professional and transformative pharmacy education</td>
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<tr>
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<td></td>
<td>D6 Using database [Part 2] Evidence-based practice skills</td>
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<td></td>
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<td>D8 “Reducing inter-individual variability”</td>
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### FIP CONGRESS DÜSSELDORF 2015

<table>
<thead>
<tr>
<th>Day</th>
<th>Room 6</th>
<th>Room 16/17</th>
<th>Room 8</th>
<th>Room 7a</th>
<th>Room 7b</th>
<th>Room 11</th>
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<td>MONDAY</td>
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<td>E1</td>
<td>E15</td>
<td>E16</td>
<td>C5</td>
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<td>Pharmacy Technicians Symposium</td>
<td>AM Global Deans Forum</td>
<td>Pharmacy Technicians Symposium</td>
<td>Høst Madsen Medal lecture</td>
<td>FIP/WHO - Health promotion role of pharmacists</td>
<td>IPSF Business meeting</td>
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<tr>
<td>TUESDAY</td>
<td>E2</td>
<td>E1</td>
<td>E1</td>
<td>E15</td>
<td>E16</td>
<td>C5</td>
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<td>Pharmacy Technicians Symposium</td>
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<tr>
<td>WEDNESDAY</td>
<td>E2</td>
<td>E1</td>
<td>E1</td>
<td>E15</td>
<td>E16</td>
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<td>Pharmacy Technicians Symposium</td>
<td>AM Global Deans Forum</td>
<td>Pharmacy Technicians Symposium</td>
<td>Høst Madsen Medal lecture</td>
<td>FIP/WHO - Health promotion role of pharmacists</td>
<td>IPSF Business meeting</td>
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<td>A1</td>
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<td>A3</td>
<td>A4</td>
<td>A5</td>
<td>A6</td>
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<td></td>
<td>Opening session - Defining evidence-based use of medicines</td>
<td>FIP Education Development Team: Get involved!</td>
<td>2nd Council Meeting</td>
<td>Making medication unique through personalised dosing</td>
<td>Novel oral biopharmaceutics tools (EU project OrBiTo)</td>
<td>Making medication unique through personalised dosing</td>
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<td>A5</td>
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<td>A7</td>
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<tr>
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<td>A2 Scientific evidence and evidence-based practice (EBP)</td>
<td>A3 Last in Translation</td>
<td>A4 Novel oral biopharmaceutics tools (EU project OrBiTo)</td>
<td>Medication safety - from evidence to practice</td>
<td>Making medication unique through personalised dosing</td>
<td>Making medication unique through personalised dosing</td>
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<td>“Getting personal”</td>
<td>“To eat or not to eat”</td>
<td>“To eat or not to eat”</td>
<td>Medication safety - from evidence to practice</td>
<td>Making medication unique through personalised dosing</td>
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<td>Specialisation in pharmacy</td>
<td>Navigating the transition</td>
<td>MO1 Presentations from Member Organisations</td>
<td>Pharmabridge</td>
<td>FIP/WHO - Health promotion role of pharmacists</td>
<td>CPS Steering Committee meeting</td>
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<td>Short orals - focus on practice</td>
<td>Pharmabridge</td>
<td>“To eat or not to eat”</td>
<td>“To eat or not to eat”</td>
<td>FIP/WHO - Health promotion role of pharmacists</td>
<td>CPS Steering Committee meeting</td>
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## OVERVIEW OF SESSIONS

### FRIDAY
2 October 2015

<table>
<thead>
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<th>Time</th>
<th>Location</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
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<tbody>
<tr>
<td>Early morning</td>
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<tr>
<td>Morning</td>
<td>Stadthalle (Hall XY)</td>
<td>A7 Cancer immunotherapy</td>
<td>D7 Medicines optimisation (Part 1) Around the globe</td>
<td>E4 How to use surveys to generate locally relevant evidence</td>
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<tr>
<td>Lunch time</td>
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<td></td>
<td>D8 Medicines optimisation (Part 2) CPS vision 2020</td>
<td>E22 Roundtable discussion on proposed MCS</td>
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<tr>
<td>Afternoon</td>
<td></td>
<td>A3 Complementary and herbal medicines</td>
<td>D3 Advancing practice through strategic workforce development</td>
<td>E6 Compounding - A core competence of the pharmacist</td>
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### SATURDAY
3 October 2015

<table>
<thead>
<tr>
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<th>Location</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
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<tbody>
<tr>
<td>Morning (from 09:00 - 12:00)</td>
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<td>A4 Medication review - the what and the how</td>
<td>D1 Educational strategies to achieve professional excellence</td>
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<td>Lunch time</td>
<td></td>
<td>E5 Joint FIP-Red Cross session - Violence against pharmacies</td>
<td>E17 Closing session - Who is committed to change?</td>
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<td>Afternoon (14:30 - 17:30)</td>
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<td>A5 Medicines and driving - what can we advise?</td>
<td>D1 Closing the gap between evidence and practice</td>
<td>3rd Council Meeting</td>
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</table>

## FIP CONGRESS DÜSSELDORF 2015

### Room 6
- E5 Finding the humanitarian face of pharmacy (APS Business meeting)
- E6 Disaster situations - Dealing with the personal aftermath (C1 Patient-friendly drug development)
- E23 Emergent diseases Ebola (MO2 Presentations from Member Organisations)
- E7 Creating progress through innovative policy decisions (C2 Patient-centred care in a world of innovation and progress)
- E8 Pharmacy - Stories of our heritage (YPG Business Meeting)
- D13 Transparency and social media (MEPS Business meeting)
- D19 Transparency and social media (MEPS Business meeting)
- D18 Joint FIP-Red Cross session - Violence against pharmacies (MO2 Presentations from Member Organisations)
- D3 Council Meeting (IPS Business meeting)
- E3 Pharmacy needs more leaders - how to respond (African Pharmaceutical Forum)
- E4 Medicines for all - What is hindering progress? (African Pharmaceutical Forum)
### SESSIONS PROGRAMME

**THEME OF THE CONGRESS: BETTER PRACTICE: SCIENCE-BASED, EVIDENCE-DRIVEN**

#### MO1-MO3: FIP Member Organisations

<table>
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<tr>
<th>MO1</th>
<th>MO2</th>
<th>MO3</th>
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<tbody>
<tr>
<td>Presentations by FIP Member Organisations</td>
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<td>Presentations by FIP Member Organisations</td>
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### MO1-MO3: FIP Member Organisations

<table>
<thead>
<tr>
<th>A1: ACPE</th>
<th>OPENING SESSION - Defining evidence-based use of medicines</th>
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<tbody>
<tr>
<td>Topic coordinators: Giovanni Pauletti (USA) &amp; Hiroshi Suzuki (Japan)</td>
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<table>
<thead>
<tr>
<th>A2: ACPE</th>
<th>Scientific evidence and evidence-based practice (EBP): Scope and limitations</th>
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<tbody>
<tr>
<td>A3:</td>
<td>Complementary and herbal medicines from lab to community</td>
</tr>
<tr>
<td>A4: ACPE</td>
<td>Medication review - the what and the who</td>
</tr>
<tr>
<td>A5: ACPE</td>
<td>Medicines and driving: what can we advise?</td>
</tr>
<tr>
<td>A6:</td>
<td>Novel oral biopharmaceutics tools (EU project OrBiTo)</td>
</tr>
<tr>
<td>A7:</td>
<td>Cancer immunotherapy: using drugs and cells to exploit our immune systems</td>
</tr>
</tbody>
</table>

#### Topic A: Defining evidence-based use of medicines

**Topic coordinators:**
- Phil Schneider (USA) & Don Mager (USA)

<table>
<thead>
<tr>
<th>B1: ACPE</th>
<th>“Getting personal” - pharmacogenomics at the crossroads of practice and science</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2: ACPE</td>
<td>Reducing inter-individual variability: the power of a practitioner/scientist team approach</td>
</tr>
<tr>
<td>B3: ACPE</td>
<td>“To eat or not to eat” - how does food impact drug efficacy?</td>
</tr>
<tr>
<td>B4:</td>
<td>How to use surveys to generate locally relevant evidence through practice - an interactive workshop</td>
</tr>
<tr>
<td>B5: ACPE</td>
<td>Making medicine unique through personalised dosing</td>
</tr>
<tr>
<td>B6:</td>
<td>Compounding - a core competence of the pharmacist</td>
</tr>
<tr>
<td>B7: ACPE</td>
<td>Medication safety – from evidence to practice</td>
</tr>
</tbody>
</table>

#### Topic B: Practice through science and science through practice

**Topic coordinators:** Giovanni Pauletti (USA) & Hiroshi Suzuki (Japan)

<table>
<thead>
<tr>
<th>C1: ACPE</th>
<th>Patient-friendly drug development?</th>
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<tbody>
<tr>
<td>C2: ACPE</td>
<td>Patient-centred care in a world of innovation and progress</td>
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<td>C3:</td>
<td>The Forum for Innovators - implementing and remunerating pharmaceutical services for chronic diseases</td>
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<td>C4:</td>
<td>Medicines for all: what is hindering progress?</td>
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<tr>
<td>C5:</td>
<td>Short oral presentations – focus on science &amp; industry</td>
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<tr>
<td>C6:</td>
<td>Short oral presentations – focus on practice</td>
</tr>
</tbody>
</table>

#### Topic C: Creating progress – innovating with the human touch

**Topic coordinators:**
- Linda Hakes (Germany) & Betty Chaar (Australia)

<table>
<thead>
<tr>
<th>D1: ACPE</th>
<th>Medications optimisation: around the globe (Part 1) &amp; Medicines optimisation: CPS vision 2020 (Part 2)</th>
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<td>D2: ACPE</td>
<td>Interprofessional and transformative pharmacy education: a new beginning</td>
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<td>D3:</td>
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<td>Navigating the transition - from science-based education to practice</td>
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<td>D5: ACPE</td>
<td>Transparency and social media - the pharmacist as the spider in the web</td>
</tr>
</tbody>
</table>

#### Topic D: Closing the gap for achieving professional excellence

**Topic coordinators:**
- Arijana Meštrović (Croatia) & Ralph Altiere (USA)

| E1: | Closing the gap between evidence and practice |
| E2: ACPE | Educational strategies to achieve professional excellence |
| E3: ACPE | Advancing practice through strategic workforce development in community and hospital settings |
| E4: ACPE | Quality assurance in a global context - new ways, new methods |
| E5: | Using database - ensuring evidence-based medicines use |
| E6: | Medicines optimisation: around the globe (Part 1) & Medicines optimisation: CPS vision 2020 (Part 2) |
| E7: ACPE | Interprofessional and transformative pharmacy education: a new beginning |
| E8: | Lost in translation - preserving scientific knowledge across borders |
| E9: | Navigating the transition - from science-based education to practice |
| E10: ACPE | Transparency and social media - the pharmacist as the spider in the web |

#### Topic E: Targeting your interest

**Topic coordinator:** Zuzana Kusynová (The Netherlands)

| F1: | 6th AIM Global Deans Forum |
| F2: ACPE | Pharmacy Technicians Symposium |
| F3: ACPE | Pharmacy needs more leaders - how to respond |
| F4: ACPE | Pharmaceuticals and the environment - how green can we be? |
| F5: | Violence against pharmacies (Joint FIP - Red Cross session) |
| F6: | Disaster situations - dealing with the personal aftermath |
| F7: ACPE | Creating progress through innovative policy decisions, in emergency situations |
| F8: | Pharmacy - stories of our heritage |
| F9: ACPE | Finding the humanitarian face of pharmacy |
| F10: ACPE | FIP Education Development Team: get involved |
| F11: | Roundtable discussion on proposed Manufacturing Classification System |
| F12: | Sustainable remuneration |
| F13: ACPE | Emergency disease: Ebola - what pharmacists can do |
| F14: | Pharmacy in Germany |
| F15: | Health promotion: role of pharmacists (FIP-WHO session) |
| F16: ACPE | CLOSING SESSION - Who is committed to change? |

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**DÜSSELDORF 2015**
MONDAY 28 AND TUESDAY 29 SEPTEMBER 2015

E1: 6TH AIM GLOBAL DEANS FORUM: INTEGRATING SCIENCE AND PRACTICE INTO PHARMACY/PHARMACEUTICAL EDUCATION USE OF MEDICINES

(By invitation, for Deans who are members of AIM only)
Organised by FIPEd
Monday 28 September 2015, 09:00 – 12:00 and 14:30 – 17:30
Tuesday 29 September 2015, 09:00 – 12:00
Duration: 9h
Room 16/17

PROGRAMME
Monday 28 September 2015, 09:00 – 12:00
PART I - DECISION-MAKING IN PRACTICE, THE INTEGRATION OF SCIENCE: THE DEAN’S ROLE
Knowledge-based session
Educational Session
FACILITATOR
John Pieper (St Louis College of Pharmacy, USA)

SPEAKERS
William Charman (Monash University, Australia)
Robert Blouin (University of North Carolina, USA)
Bernd Clement (University of Kiel, Germany)
Mahama Duwiejua (National Council for Tertiary Education, Ghana)

Lunchtime
Introducing the newly adopted FIP Oath for Pharmacists – your role in implementing change
Betty Chaar (University of Sydney, Australia) and William Zellmer (American Society of Health-System Pharmacists, USA)

MONDAY 28 SEPTEMBER 2015, 14:30 – 17:30
PART II - USING EVIDENCE TO IMPROVE THE OUTCOMES OF PHARMACY/PHARMACEUTICAL PRACTICE TEACHING
Knowledge-based session
Technical Expert Session
FACILITATOR
Lilian Azzopardi (University of Malta, Malta)

SPEAKERS
Timothy Rennie (School of Pharmacy, Namibia)
Iva Mucalo (University of Zagreb, Croatia)
Pierre Moreau (Faculty of Pharmacy, Kuwait)
Trhina Loennechen (University of Tromso, Norway)

Tuesday 29 September 2015, 09:00 – 12:00
PART III - ACADEMIC LEADERSHIP LEADING CHANGE
Knowledge-based session
Deans’ Global Leadership

FACILITATOR
David Hill (University of Saskatchewan, Canada)
1) University of Minnesota College of Pharmacy Center for Leading Healthcare Change
Lowell Anderson (University of Minnesota, USA)
2) The Pan American Conference on Pharmaceutical Education: much more than recommendations
Patricia Acuña (University of Valparaiso, Chile)
3) The role of academia in re-engineering the pharmacy landscape: Experience from the Philippines
Eric Salenga (University of the Philippines, Philippines)

PART IV – STRATEGIC PLANNING FOR THE FUTURE
Application-based session
Deans’ Global Strategy

FACILITATOR
Wayne Hindmarsh (Leslie Dan Faculty of Pharmacy, Canada)
Outcomes of the Global Students Learning Experiences Questionnaire
Naoko Arakawa (University College London, UK)
E2: PHARMACY TECHNICIANS SYMPOSIUM
ACHIEVING A STRONG PHARMACY TECHNICIAN WORKFORCE: DRIVEN BY EVIDENCE

(Separate registration required)
Organised by FIPed
Monday 28 September 2015, 09:00 – 12:00 and 14:30 – 17:30
Tuesday 29 September 2015, 09:00 – 12:00
Duration: 9h
Room 6

PROGRAMME
Monday 28 September 2015, 09:00 – 12:00
PART I – THE PHARMACY TECHNICIAN WORKFORCE - EVIDENCE OF THE NEED
Application-based session
LEARNING OBJECTIVES
At the conclusion of this session, participants will be able to:
1. Identify the link between global workforce data and the need for expansion of the availability and utilisation of the mid-level pharmacy cadres.
2. Justify how evidence has been used to position advancements in the role of pharmacy support workers in the medicine supply chain.
3. Demonstrate how education programmes can be established to respond to local human resource needs.
4. Explain how the pharmacy support workforce in the European Union has achieved mobility.

CHAIR
Susan James (Canada)

SPEAKERS
Chris John (Royal Pharmaceutical Society of Great Britain, UK), Andrew Brown (Australia), Dan Kibuule (University of Namibia) and Shirley-Anne Boschmans (South Africa), João Joaquim (Instituto Politécnico de Coimbra, Portugal)

Monday 28 September 2015, 14:30 – 17:30
PART II – PHARMACY TECHNICIANS IN PRACTICE - EVIDENCE OF THEIR VALUE
Application-based session
LEARNING OBJECTIVES
At the conclusion of this session, participants will be able to:
1. Discuss a variety of current practices that demonstrate the added value of pharmacy technicians and other pharmacy support workforce cadres in the delivery of pharmacy services.
2. Define the gaps and barriers that exist in current practice models to support full utilisation of pharmacy technicians.
3. Identify education and continued professional development needs for pharmacy technicians to advance their role and contribution to achievement of the best possible patient care outcomes.
4. Detect operational and systemic changes that can contribute to or hinder the ability of pharmacy technicians to impact practice to the fullest extent possible and identify potential strategies to achieve desired changes in practice.

CHAIR
Jochen Pfeifer (Germany)

PROGRAMME
1) 09:00 Practice-based research – the basics
Jochen Pfeifer (Germany)
2) 09:30 Practice-based research – case studies from the pharmacy workplace
(community pharmacy, hospital pharmacy, development)
Tamara Kohler (The Netherlands), Sanne Hee Johansen (Denmark), Manusika Rai (The Netherlands)
11:00 Break
3) 11:15 Practice-based research – application
Jochen Pfeifer (Germany)
4) 11:45 Symposium summary and closing remarks

Tuesday 29 September 2015, 09:00 – 12:00
PART III – DEVELOPING EVIDENCE IN PRACTICE: A SKILLS-BASED WORKSHOP ON PRACTICE-BASED RESEARCH
Application-based session
LEARNING OBJECTIVES
At the conclusion of this session participants will be able to:
1. Produce the systematic approach that underpins practice-based research.
2. Adopt how others have used practice-based research methods in community, hospital and development settings.
3. Demonstrate practice-based research skills by preparing a work-based research project for a question of their choice, in their work context.

CHAIR
Zubin Austin (Canada)

PROGRAMME
1) 09:00 Practice-based research – the basics
Jochen Pfeifer (Germany)
2) 09:30 Practice-based research – case studies from the pharmacy workplace
(community pharmacy, hospital pharmacy, development)
Tamara Kohler (The Netherlands), Sanne Hee Johansen (Denmark), Manusika Rai (The Netherlands)
11:00 Break
3) 11:15 Practice-based research – application
Jochen Pfeifer (Germany)
4) 11:45 Symposium summary and closing remarks
MONDAY 28 AND TUESDAY 29 SEPTEMBER 2015

M1 – M2: FIP MASTERCLASSES

FIP MASTERCLASS M1 (ACPE): NEW SERVICES AND PRODUCTS FOR YOUR PHARMACY

Organised by FIP
Monday 28 September 2015, 14:00 – 18:00
and Tuesday 29 September 2015, 09:00 – 14:30
Duration: 8h30 in total (lunch included on the second day)
Room 8

LEARNING OBJECTIVES
Application-based session

By the end of this session you will be able to:
1. Adopt strategies to expand your pharmacy’s services based on your individual population’s needs.
2. Detect areas for improving your pharmacy business.
3. Identify new opportunities for attracting more people (patients and healthy individuals) to your pharmacy.
4. Catalogue different services (e.g. modes of pharmaceutical care/patient follow-up, counselling on cosmetics, expertise on dietary products, advising on medical equipment).
5. Adopt digital marketing and e-commerce to your services and other patient-care related resources.
6. Install innovative ways of incorporating new services and products for the success of your pharmacy.

PROGRAMME
Speaking: William Doucette (University of Iowa, USA) and Fin McCaul (Independent Pharmacy Federation and Prestwich Pharmacy, UK)

1) How to analyse your current business portfolio
2) Choose new services and products based on your patients’ needs
3) How to provide the best patient care using new services
4) How to better market your current and new services and products
5) What other ways are there to improve your pharmacy’s profit margin?
6) Brainstorm future services with the group

FIP MASTERCLASS M2 (ACPE): PHARMACY PURCHASING AND PROCUREMENT

Organised by FIP
Monday 28 September 2015, 14:00 – 18:00
and Tuesday 29 September 2015, 09:00 – 14:30
Duration: 8h30 in total (lunch included on the second day)
Room 7a

LEARNING OBJECTIVES
Knowledge-based session

By the end of this session you will be able to:
1. Explain today’s pharmaceutical distribution landscape.
2. Explain good buying practices on a global level.
3. Explain challenges that are currently faced by buyers and sellers in the field.
4. Outline strategies to become a better purchaser of medicines and equipment.
5. Identify quality assurance methods for the purchases in your facility.

CHAIR
Maggie Dolan (NHS Commercial Solutions, UK)

PROGRAMME
Speaking: Chuck Adcox (Cardinal Health, USA) and Jean-Michel Descoutures (Centre Hospitalier Victor Dupouy, France)

1) How pharmaceuticals are supplied to pharmacies, hospitals and mail-order pharmacies
2) Challenges in procurement; quality assurance, drug shortages and formulary decisions (clinical angle)
3) Financial impact, purchasing contracts, inventory control, essential administration and evaluating suppliers (technical angle)
4) How does your seller think? Negotiating strategies to ensure successful purchasing performance
5) Seeking alternatives in purchasing; drug shortages, pricing, most affordable generics (also in developing countries)
6) Engaging with your supplier — how to develop a better partnership and collaboration
**LEARNING OBJECTIVES**

Knowledge-based session

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

1. Explain the system of undergraduate education and the steps taken to prepare the pharmacist of the future.
2. Outline how hospital pharmacists ensure medication safety.
3. List examples of the wide range of areas of work in the German military.
4. Describe the scale and scope of the pharmaceutical industry in Germany.
5. Explain the envisioned future for pharmacy practice in Germany.

**CHAIRS**

Martin Schulz (ABDA, Germany) and Kerstin Neumann (Johnson & Johnson, Germany)

**PROGRAMME**

1) 11:00 Welcome
   Martin Schulz (ABDA, Germany)

2) 11:05 Preparing the pharmacist for the future
   Dieter Steinhilber (Goethe-University Frankfurt, Germany) and Ulrich Jaehde (University Bonn, Germany)

3) 11:35 Medication safety in hospital pharmacy
   Torsten Hoppe-Tichy (University Hospital Heidelberg, Germany)

4) 12:05 Military pharmacy: challenging areas of work at home and in mission
   Arne Krappitz (Bundeswehr Medical Service Headquarters, Germany)

5) 12:35 Break

6) 12:55 R & D in Germany
   Andreas Busch (Bayer HealthCare, Germany)

7) 13:25 2030 in perspective: Medication therapy management in community pharmacy
   Katja Renner (Wassenberg, Germany)

7) 13:55 Closing remarks
   Kerstin Neumann (Johnson & Johnson, Germany)
**MEDICATION SAFETY: FROM EVIDENCE TO PRACTICE**

Organised by the FIP Community Pharmacy Section  
Wednesday 30 September 2015, 12:30 – 14:00  
Duration: 1h30  
Room 3

**LEARNING OBJECTIVES**  
Knowledge-based session

At the conclusion of the session, participants will be able to:
1. Describe common strategies to improve medication safety.
2. Outline pitfalls of strategies to improve medication safety in routine care across different health sectors.
3. Identify factors for success of strategies to improve medication safety.
4. Describe promising strategies to foster successful collaborations of healthcare professionals.

**CHAIRS**  
Hanna Seidling (University of Heidelberg, Germany) and Karin Graf (ABDA, Germany)

**PROGRAMME**

1) 12:30 Medication errors - how do they arise?  
Bryony Dean Franklin (Centre for Medication Safety and Service Quality, UK)

2) 13:00 Best-practice strategies to improve medication safety  
I.H. van der Sijs (Erasmus University Medical Center Rotterdam, The Netherlands)

3) 13:30 The efficacy / effectiveness gap of best-practice strategies to improve medication safety  
Hanna Seidling (University of Heidelberg, Germany)

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**LOST IN TRANSLATION: PRESERVING SCIENTIFIC KNOWLEDGE ACROSS BORDERS**

Organised by the FIP Health & Medicines Information Section and the FIP Industrial Pharmacy Section  
Wednesday 30 September 2015, 12:30 – 14:00  
Duration: 1h30  
Room 2

**LEARNING OBJECTIVES**  
Knowledge-based session

At the conclusion of the session, participants will be able to:
1. Describe the quality process in scientific translation and its relevance to make science accessible to international audiences.
2. Identify where particular deficits exist in different pharmaceutical sectors and discuss what actions could be taken to encourage mutual understanding and better translations.
3. Outline the impacts of the increasing demand for translations in the pharmaceutical industry sector, i.e., the perspective from companies acting in countries with different languages.
4. Categorise the effectiveness of automated and semi-automated tools used to speed-up the translation process and comply with the short timelines of the pharmaceutical sector.
5. Describe points-of-view, challenges and expectations from translation providers.
6. Identify on-translation mistakes that could cause damages (including to patients) and how to manage them.

**CHAIRS**  
Parisa Aslani (The University of Sydney, Australia) and Igor Linhares de Castro (BiocadBrazil, Brazil)

**PROGRAMME**

1) 12:30 Introduction  
Igor Linhares de Castro (BiocadBrazil, Brazil)

2) 12:40 Impacts of translation in the pharmaceutical industry: needs and expectations of translation buyers  
Angela Calianno (Celgene R&D Sarl, Switzerland)

3) 13:10 Ensuring reliability and effectiveness of scientific medical and pharmaceutical translations: the perspective of translation providers  
Matilde Nisbeth Jensen (Aarhus University, Denmark)

4) 13:30 Case reports: managing risk outcomes from translation mistakes in the health sector
LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of the session, participants will be able to:
1. Describe the role of the EDT in the structure of FIP & FIPEd.
2. Identify the content and key messages of the 2015 FIPEd Technical Reports.
3. Define the relevance and importance of the issues described in the technical reports to the ongoing development of the pharmacy profession.
4. Challenge the debate regarding EDT activities and projects.
5. Identify the role of education in development of the profession.

CHAIR
Ian Bates (FIPEd/Education Development Team, UK)

PROGRAMME

1) 12:30 Launch of 2015 technical reports
   a. Inter-professional education Jill Boone (University of Cincinnati, USA), Tina Brock (University of California, USA)
   b. Advanced practice and specialisation Kristie Galbraith (Monash University, Australia)

2) 12:50 Ongoing projects
   a. Academic capacity Claire Anderson (University of Nottingham, UK)
   b. Continuing Professional Development/Education Toyin Tofade (University of Maryland, USA)
   c. Quality Assurance Mike Rouse (Accreditation Council for Pharmacy Education, USA)
   d. Journal update Timothy Rennie (University of Namibia, Namibia)
   e. Pharmacy Support Workforce Susan James (Ontario College of Pharmacists, Canada)
   f. e-Platforms and IT-based learning Ian Larson (Monash University, Australia)
   g. Questions and answers

3) 13:30 The Global Pharmacy Workforce Observatory
   Christopher John (Royal Pharmaceutical Society, UK)

4) 13:40 Refreshing the Education vision – with WHO (transformative education)
   Andreia Bruno (FIPEd, Portugal)

5) 13:50 Benefiting member organisations

Organised by the FIP Board of Pharmaceutical Sciences
Wednesday 30 September 2015, 13:00 – 14:00
Duration: 1h
Room 6

The Høst Madsen Medal is made possible by the support of Danmarks Apotekerforening, the Association of Danish Pharmacies.

The Høst Madsen Medal is the highest Pharmaceutical Sciences Award of FIP and is awarded every two years, to an eminent pharmaceutical scientist who has particularly distinguished himself with his research.
A2 (ACPE): SCIENTIFIC EVIDENCE AND EVIDENCE-BASED PRACTICE (EBP): SCOPE AND LIMITATIONS

Organised by the FIP Academic Pharmacy Section
Wednesday 30 September 2015, 14:30 – 17:30
Duration 3h
Room 1

LEARNING OBJECTIVES
Knowledge-based session
At the conclusion of this knowledge-based session, participants will be able to:
1. Define scientific evidence and list its essential characteristics.
2. Distinguish between scientific and non-scientific study methods and evidence.
3. Demonstrate how pseudoscience can be sold as science to influence both practitioners and patients.
4. Challenge various models for EBP and determine which may be best for their local environment.
5. Identify the value and limitations of cutting edge science and its applicability, or the lack thereof, to current practice.

CHAIR
Stephen Chapman (Keele University, UK)

PROGRAMME
1) 14:30 Scientific and non-scientific study methods and evidence
   Vimal Kishore (Xavier University of Louisiana, USA)
2) 15:15 Models for EBP-based therapeutic decision making
   Toyin Tofade (University of Maryland, USA)
   16:00 Break
3) 16:15 Value and limitations of cutting-edge science (e.g. gene therapy and pharmacogenomics) to patient care here and now
   Ichiro Ieiri (Kyushu University, Japan)
4) 17:00 Panel discussion
   Moderator: Stephen Chapman (Keele University, UK)
5) 17:20 Real-time summarisation
   Stephen Chapman (Keele University, UK)

A6: NOVEL ORAL BIOPHARMACEUTICS TOOLS (EU PROJECT ORBITO)

Organised by the FIP SIG on Regulatory Sciences and the FIP Clinical Biology Section
Wednesday 30 September 2015, 14:30 – 17:30
Duration 3h
Room 2

LEARNING OBJECTIVES
Knowledge-based session
At the conclusion of this session, participants will be able to:
1. Evaluate the latest progress in the area of in vitro and in silico predictive tools for oral absorption reducing the need for in vivo studies.
2. Outline new physiological information of relevance for oral absorption.
3. Describe possible future direction for increased opportunities for biowaivers by enhanced use of predictive tools.
4. Distinguish the aims and plans within the IMI project OrBiTo.
5. Specify progress and plans to influence further work in OrBiTo.

CHAIRS
Xavier Pepin (AstraZeneca, France) and Jennifer Dressman (Goethe University Frankfurt am Main, Germany)

PROGRAMME
1) 14:30 Introduction to OrBiTo
   Xavier Pepin (Sanofi-Aventis, France)
2) 14:45 Screening drugs for supersaturation potential and precipitation risks
   Anette Møllerertz (Copenhagen University, Denmark)
3) 15:15 Biopharmaceutical tools to predict the impact of supersaturation and precipitation on oral drug absorption
   Edmund Kostewicz (Goethe University, Germany)
   15:45 Break
4) 16:00 Gastrointestinal evaluation of enabling formulations in humans to understand intraluminal supersaturation and precipitation
   Joachim Brouwers (Catholic University Leuven, Belgium)
5) 16:30 Modelling the dynamics of fluids, pH and bile salts in the upper GI tract: towards adequate estimates of luminal drug concentration and supersaturation
   Xavier Pepin (AstraZeneca, France)
6) 17:00 Drug-drug interactions during oral drug absorption
   Elin Lindhagen (Swedish Medical Product Agency, Sweden)
C5: SHORT ORAL PRESENTATIONS – FOCUS ON SCIENCE & INDUSTRY

Organised by the FIP Industrial Pharmacy Section and the FIP SIGs on Drug Design and Discovery, Natural Products, Formulation Design and Pharmaceutical Technology, Pharmacokinetics/Pharmacodynamics & Systems Pharmacology, Translational Research and Individualised Medicines, Biotechnology, Analytical Sciences and Pharmaceutical Quality, Regulatory Sciences

Wednesday 30 September 2015, 14:30 – 17:30
Duration: 3h
Room 16/17

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe some original pharmaceutical science & industry contributions.
2. Compare the impact of these contributions based on their own experiences.
3. Identify how to make a striking presentation in a short and concise way.
4. List a number of initiatives undertaken by individual pharmacists and/or pharmacy organisations.

CHAIRS
Gabrielle Wiederkehr (FIP IPS, Switzerland) and Igor Linhares de Castro (FIP IPS, Brazil)

PROGRAMME

14:30 Introduction by the Chair
Xavier Pepin (Sanofi-Aventis, France)

1) 14:35 Implementation of a pharmacist-led pharmacogenomics service for community-based frail elderly
Kevin Bain (Tabula Rasa Healthcare, USA)

2) 14:45 Drug quality and dissolution testing at all points in the supply chain: integration of scalable technology in the health system
Nga Ho (Boston University, USA)

3) 14:55 Endangering lives for a few cents of profit: a counterfeit antimalarial medicine in Malawi contains not sulfadoxine/pyrimethamine but paracetamol or cotrimoxazole
Lutz Heide (University of Malawi, Malawi)

4) 15:05 Development and implementation of a Master's Degree (MS) in biotechnology innovation and regulation science (BIRS) in Africa
Karl Clase (Purdue University, USA)

5) 15:15 Brand story of a leading G.I. product
Mandy Fan (Taipei Pharmacists Association, China Taiwan)

6) 15:35 Influence of Korea-US FTA conclusion on Korean pharmaceutical industry
Seok Goo Chang (Korean Pharmaceutical Association, Republic of Korea)

7) 15:45 Determination of in-vitro equivalence of BCS class 2 drugs: paracetamol, phenoxymethylpenicillin and metronidazole tablets available in Sri Lanka
Dhanusha Thambavita (University of Colombo, Sri Lanka)

15:45 Break

8) 16:15 GMP assessment of Mongolian pharmaceutical manufacturers
Tsatsrai Ichnikhorloo (Fourth Health Sector Development Project, Mongolia)

9) 16:25 Prediction of drug clearance in elderly patients using the Simcyp geriatrics model
Manoranjenni Chetty (Simcyp, UK)

10) 16:35 Quantitative effect of CYP2C19 and CYP2C9 genotype on concentration prediction of valproate in epileptic patients
Dechun Jang (XuanWu Hospital of Capital Medical University, China)

11) 16:45 Impact of SCN1A, ABCB1 and EPHX1 polymorphic variants in plasma carbamazepine concentrations and pharmacoresistance in Kosovar population
Armond Daci (University of Kosovo, Kosovo)

12) 16:55 Glycyrrhizin conjugated chitosan nanoparticles for hepatocyte-targeted delivery of lamivudine
Deepak Kumar Mishara (ADINA Institute of Pharmaceutical Sciences, India)

13) 17:05 Development of novel omega-3 polysaturated fatty acid derived agents that inhibit breast cancer growth in vivo
Tiziana Rawling (University of Technology Sydney, Australia)

14) 17:15 Label-free visualisation of islets markers and drugs in pancreas using high-resolution mass spectrometry imaging
Dhaka Ram Bandari (Justus Liebig University, Germany)

17:25 Conclusion by the Chair
Organised by the FIP SIG on Formulation Design and Pharmaceutical Technology, the FIP Hospital Pharmacy Section and the FIP SIG on Translational Research and Individualised Medicines

Wednesday 30 September 2015, 14:30 – 17:30
Duration: 3h
Room 3

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Explain flexible dosing opportunities for specialised patient populations using conventional and novel formulations.
2. Analyse the concept of monolithic solid dosage forms in personalised medicine.
3. Describe the development of pharmacy computer system clinical decision support tools that address personalised doses for specific medicines.
4. List examples of opportunities for pharmacists to maximise therapeutic outcomes through personalised medicine.

CHAIRS
Marianne Ivey (University of Cincinnati, USA) and Tetsuya Ozeki (Nagoya City University, Japan)

PROGRAMME

1) 14:30 Defining the role of a pharmacist in personalised medicine
   Hitoshi Sasaki (Nagasaki University Hospital, Japan)

2) 15:10 Building personalised dosing into clinical decision support
   Kelly Caudle (St. Jude Children’s Research Hospital, USA)

15:50 Break

3) 16:10 Individual oral therapy using the novel solid dosage pen
   Joerg Breitkreuz (Heinrich Heine University, Germany)

4) 16:50 Printing technologies that potentially personalise doses and dosage forms
   Niklas Sandler (Åbo Akademi University, Finland)


Organised by the FIP Industrial Pharmacy Section, the FIP Academic Pharmacy Section, the FIP Community Pharmacy Section, the FIP Health and Medicines Information Section, the FIP Hospital Pharmacy Section and the FIP Social and Administrative Pharmacy Section

Thursday 1 October 2015, 9:00 – 12:00
Thursday 1 October 2015, 14:30 – 17:30
Duration: 2x3h
Room 16/17

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe some original pharmacy practice contributions.
2. Compare the impact of these contributions based on their own experiences.
3. Identify how to make a striking presentation in a short and concise way.
4. List a number of initiatives undertaken by individual pharmaceutical practitioners.

CHAIR
Timothy Chen (The University of Sydney, Australia)

PROGRAMME

09:00 Introduction by the Chair

1) 09:05 Health-related and sociodemographic characteristics of the general population with adverse drug events – a retrospective medical record study of 4970 adults across care settings
   Katja Hakkarainen (EPID Research, Sweden)

2) 09:15 Preparing pharmacists for patient centred care: the US. Adapt experience
   Gary Matzke (Virginia Commonwealth University, USA)

3) 09:25 From good to great – developing and implementing a gold standard in clinical service quality to Elderly Care Wards (ECW)
   Shaheen Mannan (Counties Manukau District Health Board, New Zealand)

4) 09:35 Drug-related problems in elderly home care patients - collaborative care model between pharmacists and caregivers: is it possible?
   Jasna Uroševic (Apoteka Kragujevac, Serbia)

5) 09:45 Consumer perspectives on Australian and US over-the-counter medicine labelling strategies: is standardisation the way forward?
   Vivien Tong (The University of Sydney, Australia)
6) 09:55 Evaluation of the impact of pharmaceutical participation in access and adherence to antihypertensive treatment of patients at a public primary healthcare center in Argentina
Carina Vetye-Maler (Apotheker Ohne Grenzen Deutschland e. v., Germany)

7) 10:05 Assessing the awareness and knowledge on the use of probiotics by healthcare professionals (HCPS) in Nigeria
Oluwo Amarauche Chukwuu (Health Policy Research and Development Unit National Assembly Abuja, Nigeria)

8) 10:15 Malaria case detection using rapid diagnostic tests at the community level in Ghana - consumer perception and practitioners' experiences
Daniel Amaning Danguaah (Pharmacy Council, Ghana)

10:25 Break

9) 10:45 A comparative study on risk analysis in multidrug-resistant tuberculosis population of Telangana State (India)
Anusha Bompelli (St. Peter's Institute of Pharmaceutical Sciences, India)

10) 10:55 Influence of clinical pharmacist interventions in reducing prescribing errors in women oncologic patients
Priscila Gava Mazzola (Unicamp, Brazil)

11) 11:05 ”If you want to live, you have to take the medications…” says the doctor – day to day adherence to anti-diabetic medications in Nepalese patients with type 2 diabetes
Sujata Sapkota (The University of Sydney, Australia)

11) 11:15 An overview of kidney stone disease in Lebanon
Marwan Akel (Lebanese International University, Lebanon)

11) 11:25 Neglected essential medicines project – seeking solutions to improve access to affordable, good quality essential medicines
Wilbert Bannenberg (HERA Foundation, The Netherlands)

11) 11:35 Trends in the receipt of medicines information among aging Finns in 1999-2013
Niina Mononen (University of Helsinki, Finland)

11) 11:45 Pharmacist-only trimethoprim: pharmacist satisfaction on their training and the impact on their practice
Natalie Gould (Natalie Gould Ltd., New Zealand)

11) 11:55 Conclusion by the Chair

12) 12:00 - 14:30 Lunch break

14) 14:35 Mentoring as a resource for career development and collegiality: a pilot mentoring programme for Finnish pharmacists
Lisa Kinninen (The Finnish Pharmacists' Society, Finland)

15) 14:45 An innovative initiative: the Pharmacy Practice Research Unit at CHU Sainte-Justine
Aurélie Guérin (CHU Sainte Justine, Canada)

17) 14:55 Impact Pharmacie: an innovative website to improve pharmacy practice based on evidences
Aurélie Guérin (CHU Sainte Justine, Canada)

18) 15:05 Strengthening pharmaceutical services in poor settings – a Train the Trainer approach
Andreas Wiegand (Apotheker Helfen e. v. – German Pharmacists Aid – Ecumenical Pharmaceutical Network, Germany)

20) 15:15 Pharm-Ed: a hospital pharmacy educational and collaborative platform for developing countries
Sandrine von Grünigen (University Hospitals of Geneva, Switzerland)

21) 15:25 Motivation and views of Filipino pharmacists related to continuing professional education
Ariamne Diane Alipino Aninon (Asia Pacific Institute for Medication Management, Philippines)

22) 15:35 Teaching teachers to teach: faculty perceptions of 5-minute faculty teaching development series
Susan Stein (Pacific University Oregon, USA)

23) 15:45 The value of pharmacy guidance in Finland
Inka Puumalainen (Association of Finnish Pharmacies, Finland)

15:55 Break

24) 16:15 Implementation of a medication bundle in residential facilities for the disabled using the model for improvement
Linda Aagaard Thomsen (Pharmakon - Danish College of Pharmacy Practice, Denmark)

25) 16:25 Towards interprofessional networking in medication management: challenges and potential solutions
Sonja Kalilo (University of Helsinki, Finland)

26) 16:35 Introducing OSCEs into pharmacy education curriculum for students of Turkey and Cyprus: pre-implementing pilot OSCE
Abdikarim Mohamed Abdi (Near East University, Turkey)

27) 16:45 Literacy and symptom mitigation strategies of people living in urban Nigeria
Oluwaseun Oyemade (University of Helsinki, Finland)

28) 16:55 A needs assessment of hospital pharmacists for pharmacy specialisation in Canada
Jonathan Penm (University of Cincinnati, USA)

29) 17:05 Implementation of national standard treatment guidelines leads to small improvements in prescribing patterns in Swaziland
Sara Padidar (Management Sciences for Health, Swaziland)

30) 17:15 Learning international healthcare and medication use via videoconference
Hsiang-Wen Lin (China Medical University, China Taiwan)

17:25 Conclusion by the Chair
**Organised by the FIP Programme Committee**

**Thursday 1 October 2015, 09:00 – 12:00**

**Duration: 3h**

**Room 3**

**LEARNING OBJECTIVES**

Knowledge-based session

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

1. Describe how genetic variations impact the efficacy of molecular targeted drugs.
2. Identify inter-individual differences in efficacy of drug interventions.
3. Explain the concept of implementing personalised medicine strategies based on genetic variations.
4. Distinguish the value of pharmacists participating in the development of novel personalized medicine strategies.

**CHAIRS**

Giovanni Pauletti (University of Cincinnati, USA) and Hiroshi Suzuki (University of Tokyo, Japan)

**PROGRAMME**

1) 09:00 Introduction by the Chair

2) 09:05 Pharmacogenomics: from discovery to clinical practice
   Julie Johnson (University of Florida, USA)

3) 09:45 Clinical manifestations of relevant inter-individual differences in drug response
   Katsushi Tokunaga (University of Tokyo, Japan)

10:25 Break

4) 10:40 The genetic, cellular and molecular basis of idiosyncratic drug toxicity
   Kevin Park (Institute of Translational Medicine at the University of Liverpool, UK)

5) 11:20 Diagnostic tools to effectively implement personalised medicine strategies
   Mariangela Russo (Institute of Cancer Research and Treatment, Italy)

**THURSDAY 1 OCTOBER 2015**

**B1 (ACPE): “GETTING PERSONAL”: PHARMACOGENOMICS AT THE CROSSROADS OF PRACTICE AND SCIENCE**

**Organised by FIPed EDT**

**Thursday 1 October 2015, 09:00 – 12:00**

**Duration: 3h**

**Room 3**

**LEARNING OBJECTIVES**

Knowledge-based session

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

1. Explain the role of accreditors and regulators in establishing standards and maintaining quality of education and service delivery.
2. Describe the purpose of the FIP Global Framework for Quality Assurance of Pharmacy Education.
3. Check the role quality indicators play in assuring the quality of pharmaceutical care services.
4. Describe examples of transnational initiatives and activities to assure and advance quality of pharmacy education.

**CHAIRS**

Mike Rouse (FIPed EDT Education Lead for Quality Assurance, USA) and Lilian Azzopardi (University of Malta, Malta)

**PROGRAMME**

1) 09:00 Introduction
   Marshall Moleschi (Ontario College of Pharmacists, Canada), Bronwyn Clark (Australian Pharmacy Council, Australia)

2) 09:45 Developing a Quality Assurance Framework – global applications
   Mike Rouse (FIPed EDT Education Lead for Quality Assurance, USA)

10:25 Break

3) 10:40 Quality indicators: the European Directorate for the Quality of Medicines Project
   Olga Grintsova (Ukraine), Zinaida Bezverhni (Moldova)

4) 11:20 Quality assurance without borders: examples of transnational collaboration
   I. Certification of JSS University, India by the Accreditation Council for Pharmacy Education
      a) Mike Rouse (Accreditation Council for Pharmacy Education, USA)
      b) Bhujra Suresh (Jagadguru Sri Shivarathreeswara - JSS University, India)
   II. Accreditation of Qatar University by the Canadian Council for Accreditation of Pharmacy Programs
      a) Wayne Hindmarsh (Canadian Council for Accreditation of Pharmacy Programs, Canada)
      b) Ayman Ouda El-Kadi (College of Pharmacy, Qatar)
   III. Transnational initiatives in Europe to assure and advance the quality of pharmacy education
      Lilian Azzopardi (European Association of Faculties of Pharmacy, Malta)

5) 11:50 Questions, answers and final announcements
D5: INFORMATION MASTERY

**Thursday 1 October 2015, 09:00 – 12:00**  
**Duration: 3h**  
**Room 2**

**LEARNING OBJECTIVES**  
*Application-based session*

At the conclusion of this session, participants will be able to:
1. Define and describe the essential characteristics of Information Mastery.
2. Research how Information Mastery can be a great time-saving device yet allowing the pharmacist to retrieve high-quality EBP material relevant to one's own practice.
3. Detect high quality science-driven data resources, both subscription and non-subscription based.
4. Judge how each data resource is somewhat unique in its focus and characteristics.
5. Choose how to incorporate Information Mastery into curricula.
6. Perform in real time how Information Mastery works using their own portable electronic devices.

**CHAIRS**  
Luis Lourenco (FIP CPS, Portugal) and P. T. Thomas (Taylor’s University, Malaysia)

**PROGRAMME**

1) **09:00 Information Mastery overview: how Information Mastery (time efficient) differs from critical appraisal skills (time intensive)**  
Vimal Kishore (Xavier University of Louisiana, USA)

2) **09:30 Preparing a database to provide on-the-minute updated information about medicines/health products**  
Sandra Lino (Associação Nacional das Farmácias, Portugal)

10:30 Break

3) **10:50 Hands on demonstration of the use of high quality Information Mastery resources, including participation by the attendees**  
Timothy Chen (The University of Sydney, Australia)

11:30 Break

3) **11:30 Hands on demonstration of the use of high quality Information Mastery resources, including participation by the attendees**  
Timothy Chen (The University of Sydney, Australia)
D11: SPECIALISATION IN PHARMACY - PROFESSIONAL RECOGNITION IN THE EUROPEAN UNION

Organised by the FIP Clinical Biology Section, the FIP Hospital Pharmacy Section and the FIP SIG on Translational Research and Individualised Medicines
Thursday 1 October 2015, 09:00 – 12:00
Room 6

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Identify the purposes of European Directives 2005/36/EC and 2013/55/EU.
2. Define the importance of pharmacy specialisation and its impact on practice.
3. Define the hospital pharmacy example and the directive implication on practice.
4. Compare the clinical biology and laboratory medicine in Europe and the directive challenge on professional mobility.
5. Identify how pharmacy graduates can specialise in different practice environments: clinical chemistry case-study.
6. Compare the various pharmacy residency programmes available in the USA.

CHAIR
Sónia Faria (FIP CBS, Portugal)

PROGRAMME
1) 09:00 Challenges of hospital professional qualifications in Europe
   Jacqueline Surugue (FIP HPS, France)
2) 09:35 Laboratory medicine pharmacists in Europe
   Simone Zarah (European Federation of Laboratory Medicine, France)

10:10 Break

3) 10:30 Laboratory medicine in the USA
   Majid Moridani (Medical College of Wisconsin, USA)
4) 11:05 Pharmacy residency programme in the USA
   Lynn Crismon (University of Texas at Austin, USA)

5) 11:40 Open table discussion

THURSDAY 1 OCTOBER 2015

B3 (ACPE): “TO EAT OR NOT TO EAT”: HOW DOES FOOD IMPACT DRUG EFFICACY?

Organised by the FIP Programme Committee
Thursday 1 October 2015; 12:30 – 14:00
Duration: 1h30
Room 3

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. List positive and negative consequences of food-drug interactions on oral absorption.
2. Explain the effect of high fat meals on oral bioavailability of drugs with low aqueous solubility.
3. Distinguish clinically relevant alterations in drug absorption induced by nutrients.
4. Defend the importance of food-drug interaction counselling for effective drug management.

CHAIRS
Giovanni Pauletti (University of Cincinnati, USA) and Hiroshi Suzuki (University of Tokyo, Japan)

PROGRAMME
1) 12:30 Effect of food on clinical drug efficacy
   Abdul Basit (University College of London, UK)
2) 13:00 Solubility-enhancing consequences induced by food components
   Giovanni Pauletti (University of Cincinnati, USA)
3) 13:30 Variability in oral bioavailability and lymphatic transport of poorly water soluble, lipophilic drugs
   Natalie Trevaskis (Monash University, Australia)
**D12: NAVIGATING THE TRANSITION - FROM SCIENCE-BASED EDUCATION TO PRACTICE**

Organised by the International Pharmaceutical Students’ Federation (IPSF)
**Thursday 1 October 2015, 12:30 – 14:00**
Duration: 1h30
Room 6

**LEARNING OBJECTIVES**
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe the challenges and opportunities involved in implementing scientific innovation to practice from the model academic environment to young professionals in their fields.
2. List opportunities for creating progressive personalised education from the perspectives of educators, pharmacy students, practising pharmacists and industry leaders.
3. Identify the features of high-impact tools in the provision of patient-centred pharmaceutical care paving the path towards self-directed professional excellence.
4. Evaluate new tools geared for optimising pharmaceutical care in practice (i.e. technological innovations) for important key features such as usability, reliability, engagement of patient accountability, and comprehensiveness in addressing targeted issues.
5. Describe ways to become more self-directed in shaping professional excellence in their own field of practice (i.e. emotional intelligence management).

**CHAIRS**
Brittany Mani (IPSF, USA) and Parand Akhavan (IPSF, The Netherlands)

**PROGRAMME**

1) 12:30 Introduction by the Chair
Brittany Mani (IPSF, USA)

2) 12:40 Navigating the transition between scientific-practice in academia to differing professional fields – challenges and opportunities

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**E4 (ACPE): Pharmaceuticals and the Environment - How Green Can We Be?**

Organised by the FIP Boards of Pharmaceutical Practice and Pharmaceutical Sciences
**Thursday 1 October 2015, 12:30 – 14:00**
Duration: 1h30
Room 2

**LEARNING OBJECTIVES**
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe the latest development of environment and pharmaceuticals issue.
2. Approve their professional role in the entire medication-use process – from prescription to waste.
3. Translate the existing knowledge in their professional environment.

**CHAIR**
Eeva Teräsalmi (FIP, Finland)

**PROGRAMME**

1) 12:30 Update of the global overview on the issue of pharmaceuticals and the environment
Ina Ebert (The German Federal Environmental Agency, Germany)

2) 12:50 Pharmacists’ opportunities and responsibilities in green pharmacy practice
Eeva Teräsalmi (FIP, Finland)

3) 13:10 Education and existing platforms of pharmaceutical education in environmental issues
Niklas Sandler (Abo Akademi University, Finland)

4) 13:30 The role of the United Nations
Mirjana Milic (United Nations Development Programme, Turkey)

5) 13:50 Q & A
LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Compare the different models for the payment of community pharmacy services.
2. Identify the different models for the payment of hospital pharmacy services.
3. Advocate strategies based on the translation of the key aspects of models.

CHAIRS
Dennis Helling (University of Colorado, USA)

PROGRAMME

1) 12:30 Introduction by the Chair
2) 12:40 Overview of the findings – community pharmacy
   Dominique Jordan (FIP CPS, Switzerland)
3) 13:00 Overview of the findings – hospital pharmacy
   Jacqueline Surugue (FIP HPS, France)
4) 13:20 New remuneration model in Australia – the Sixth Community Pharmacy Agreement
   Paul Sinclair (FIP CPS, Australia)
5) 13:35 Translating these findings into strategy and policies: a panel discussion
   Andrew Gray (FIP, South Africa)
**THURSDAY 1 OCTOBER 2015**

**B2 (ACPE): REDUCING INTER-INDIVIDUAL VARIABILITY: THE POWER OF A PRACTITIONER/SCIENTIST TEAM APPROACH**

Organised by the FIP Programme Committee  
**Thursday 1 October 2015, 14:30 – 17:30**  
Duration 3h  
Room 3

**LEARNING OBJECTIVES**  
Knowledge-based session

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

1. Describe the contribution of intestinal transporters to inter-individual variability in oral bioavailability.
2. Define pharmacokinetic approaches to delineate non-genetic causes underlying inter-individual variability in oral bioavailability.
3. Analyse the impact of comorbidities on transporter-mediated inter-individual variability in oral bioavailability.
4. Detect the value of pharmacists documenting inter-individual variability in pharmacokinetic behaviour of drugs.

**CHAIRS**  
Giovanni Pauletti (University of Cincinnati, USA) and Hiroshi Suzuki (University of Tokyo, Japan)

**PROGRAMME**

1) **14:30 Introduction by the Chair**
2) **14:35 Current status of personalised platelet inhibitor treatment in cardiology**  
Dietmar Trenk (University of Freiburg, Germany)
3) **15:10 Effect of gastrointestinal surgery on oral absorption**  
Trevor Johnson (Certara, UK)

15:45 Break
4) **16:00 Impact of lymphatic transport on post-prandial oral bioavailability**  
Natalie Trevaskis (Monash University, Australia)
5) **16:35 Novel strategies for reducing inter-individual variability in oral absorption**  
Giovanni Pauletti (University of Cincinnati, USA)
6) **17:10 Panel discussion**

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**THURSDAY 1 OCTOBER 2015**

**D9 (ACPE): INTERPROFESSIONAL AND TRANSFORMATIVE PHARMACY EDUCATION: A NEW BEGINNING**

Organised by FIPEd and the FIP Academic Pharmacy Section  
**Thursday 1 October 2015, 14:30 – 17:30**  
Duration 3h  
Room 1

**LEARNING OBJECTIVES**  
Knowledge-based session

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

1. Explain what is meant by ‘inter-professional education’ (IPE) in a modern context, including reference to science and practice across professions.
2. List the major findings from the FIPEd 2015 Technical Report.
3. Describe WHO Transformative Education Guidelines.
4. Describe examples of inter-professional education in practice, including examples of “science into practice, and practice through science”.
5. Analyse the implementation and consequences of inter-professional education in pharmaceutical education practice.
6. List barriers to achieving true inter-professional education.

**CHAIRS**  
Tina Brock (FIPEd, USA) and John Pieper (FIP APS and AIM, USA)

**PROGRAMME**

1) **14:30 IPE is hard – why do it? Where is the evidence that it makes a difference to practice?**  
Jill Boone (FIPEd, USA)
2) **14:50 What works and where for IPE – case studies and examples from nations and professions**  
Benny Effendie (Malaysia), Richard Adome (Uganda)
3) **15:20 Workshop activity**
4) **16:00 Break**
5) **16:10 WHO update on transforming healthcare education**  
Rebecca Bailey (IntraHealth and WHO Technical Working Group Expert, USA/Switzerland), Andreia Bruno (FIPEd and WHO Technical Working Group Expert, Portugal)
6) **17:00 FIPEd vision for educational development – feasibility, practicality, usefulness (debate)**  
Ian Bates (FIPEd, UK)
THURSDAY 1 OCTOBER 2015

E16: FIP-WHO SESSION - HEALTH PROMOTION: ROLE OF PHARMACISTS

Organised by the FIP Bureau
Thursday 1 October 2015, 14:30 – 17:30
Duration 3h
Room 6

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Explain what is health promotion expected by society from community pharmacy.
2. Describe the importance of advocacy of the role of pharmacists in health promotion.
3. Outline case-examples of national health promotion activities by national pharmacists’ organisations.
4. Outline case-examples of health promotion in daily practice from different countries.

CHAIR
Sabine Kopp (WHO, Switzerland)

PROGRAMME

1) 14:30 Introduction by the chair
   Sabine Kopp (WHO, Switzerland)

2) 14:35 Health promotion: a global perspective on the role of pharmacists
   Kwok-Cho Tang (WHO, Switzerland)

3) 15:15 Health promotion: example of a national association taking the lead

4) 15:55 Break

5) 16:15 Health promotion in daily practice: example of a community pharmacy

6) 16:55 Panel discussion

FRIDAY 2 OCTOBER 2015

E9 (ACPE): FINDING THE HUMANITARIAN FACE OF PHARMACY

Organised by the FIP Community Pharmacy Section and the FIP Military & Emergency Pharmacy Section
Friday 2 October 2015, 07:15 – 08:45
Duration 1h30
Room 6

LEARNING OBJECTIVES
Application-based session

At the conclusion of this session, participants will be able to:
1. Research the role of the pharmacist in emergency situations.
2. Identify the requirement for unique policies and procedures in these situations.
3. Plan the framework required for pharmacist involvement and collaboration in a humanitarian effort.
4. Advocate how pharmacists may become involved in humanitarian projects.

CHAIR
Warren Meek (FIP CPS, Canada)

PROGRAMME

Light breakfast until 07:40

1) 07:45 My experiences in Haiti
   Diane Lamarre (Pharmacists without Borders, Canada)

2) 08:15 Health Care in Danger: moving to solutions
   Bruce Eshaya-Chauvin (Medical Adviser/Health Care in Danger Project International Committee of the Red Cross - ICRC)
FRIDAY 2 OCTOBER 2015

A7: CANCER IMMUNOTHERAPY: USING DRUGS AND CELLS TO EXPLOIT OUR IMMUNE SYSTEMS

Organised by the FIP Hospital Pharmacy Section, the FIP Clinical Biology Section and the FIP SIG on Pharmacokinetics/Pharmacodynamics & Systems Pharmacology

Friday 2 October 2015, 09:00 – 12:00
Duration: 3h
Room 1

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe current research and evidence supporting approaches to using antibodies, direct cell-based transfers, and vaccines to treat cancer.
2. Identify the developmental challenges to bringing vaccine and cell-based immunotherapy to the patient bedside.
3. Describe how translational approaches (such as mathematical and new experimental models) could be leveraged as evidence to expedite the development of promising immunotherapies.
4. Identify the key issues associated with bringing these therapies into clinical formularies.

CHAIRS
Donald Mager (FIP Programme Committee and FIP SIG on PK/PD & Systems Pharmacology, USA) and Jim Stevenson (University of Michigan, USA)

PROGRAMME
1) 09:00 Targeting programmed cell death-1 (PD-1)
   R. Donald Harvey (Emory University, USA)
2) 09:40 Bispecific T-cell engaging antibodies for cancer therapy
   Andreas Wolf (Amgen Research, Germany)
10:20 Break
3) 10:40 Translational modelling of anti-cancer vaccines
   Iñaki Troconiz (University of Navarra, Spain)
4) 11:20 Implementation of cell-based therapies in clinical practice
   Ross McKinnon (Flinders University, Australia)

FRIDAY 2 OCTOBER 2015

B4: HOW TO USE SURVEYS TO GENERATE LOCALLY RELEVANT EVIDENCE THROUGH PRACTICE - AN INTERACTIVE WORKSHOP

Organised by the FIP Academic Pharmacy Section and the FIP SIG on Regulatory Sciences

Friday 2 October 2015, 09:00 – 12:00
Duration: 3h
Room 3

LEARNING OBJECTIVES
Application-based session

At the conclusion of this session, participants will be able to:
1. Research various types of survey studies relevant to pharmacy practice.
2. Classify the various steps in survey research.
3. Compare various types of survey instruments and survey questions, and their advantages and limitations.
4. Organise various types of sampling and survey validation techniques.
5. Choose the best survey design applicable to one’s own study.

CHAIR
Vimal Kishore (Xavier University of Louisiana, USA)

PROGRAMME
1) 09:00 Survey research design: why survey designs matter
   Parisa Aslani (The University of Sydney, Australia)
2) 09:30 Survey studies: advantages and limitations
   Carl Schneider (The University of Sydney, Australia)
10:00 Break
3) 10:20 Steps in survey research: developing and validating the survey instrument
   Anandi Law (Western University of Health Sciences, USA)
4) 11:00 Interactive workshop
   Coordinator: Vimal Kishore (Xavier University of Louisiana, USA)
Organised by the FIP Programme Committee
Friday 2 October 2015, 09:00 – 12:00
Duration 3h
Room 16/17

LEARNING OBJECTIVES
Knowledge-based session

At the end of this session, participants will be able to:
1. Describe the challenges involved in achieving an effective and clinically meaningful level of innovation.
2. Identify the tensions generated by the differing needs of regulators and payers.
3. List opportunities for patients to be more involved in the design of clinical trials.
4. Evaluate clinical trial documents for their “patient friendliness”.

CHAIRES
Linda Hakes (FIP IPS, Germany) and Betty Chaar (University of Sydney, Australia)

PROGRAMME

1) 09:00 Introduction by the Chair

2) 09:10 Challenges in the search for new medicines
   Lode Dewulf (UCB, Belgium)

3) 09:45 Clinical trials with a human touch
   Jean Paty (Quintiles, USA)

10:20 Break

4) 10:35 Can we put a price on the value of innovation?
   Allan Wailoo (University of Sheffield, UK)

5) 11:00 Vision of the future
   Marc Boutin (International Alliance of Patients’ Organizations, USA)

5:45 Panel discussion, summary and closure

FRIDAY 2 OCTOBER 2015
C1 (ACPE): PATIENT-FRIENDLY DRUG DEVELOPMENT?

Organised by the FIP Community Pharmacy Section
Friday 2 October 2015, 09:00 – 12:00, 12:30 - 14:00
Duration 4h30 (3h and 1h30)
Room 2

LEARNING OBJECTIVES
Application-based session

At the conclusion of this session, participants will be able to:
1. Identify the drivers for optimising the use of medicines such as the economic challenges, increased use of technology and technologically advanced medicines, problems around waste and safety, demographic changes, changes in healthcare infrastructure, and quality, innovation, productivity and prevention.
2. Explain what we mean by medicines optimisation.
3. Identify the evidence base underpinning the need to optimise the use of medicines.
4. Identify models/methods/frameworks from all continents on how to work with medicines optimisation.
5. Identify how medicines optimisation is a part of the CPS Vision 2020.

CHAIR
Lars Åke Söderlund (FIP CPS, Sweden)

PROGRAMME PART 1 D7: MEDICINES OPTIMISATION - AROUND THE GLOBE

1) 09:00 Medicines optimisation in Asia
   Manjiri Gharat (Indian Pharmaceutical Association, India)

2) 09:30 Medicines optimisation in Europe
   Ash Soni (The Royal Pharmaceutical Society, UK)

3) 10:00 Medicines optimisation in America
   Lawrence “LB” Brown (American Pharmacists’ Association, USA)

10:30 Break

4) 11:00 Medicines optimisation in Africa
   Johann Kruger (Pharmaceutical Society of South Africa, South Africa)

5) 11:30 Medicines optimisation in Australia
   Paul Sinclair (NSW Branch of the Pharmacy Guild of Australia, Australia)

PROGRAMME PART 2 D8: MEDICINES OPTIMISATION – CPS VISION 2020

12:30 The CPS Vision 2020, and how medicines optimisation is part of the vision
   Ema Paulino (FIP, Portugal)
**FRIDAY 2 OCTOBER 2015**

**E6: DISASTER SITUATIONS – DEALING WITH THE PERSONAL AFTERMATH**

Organised by the FIP Military & Emergency Section  
**Friday 2 October 2015, 09:00 – 12:00**  
Duration: 3h  
Room 6

**LEARNING OBJECTIVES**  
Knowledge-based session

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

1. Identify the signs of stress when working on deployment.
2. Identify strategies for dealing with deployment-related stress.
3. Identify mental, physical and emotional issues associated with deployments.
4. Describe how to reduce the effects of mental, physical and emotional stress associated with deployments.
5. Describe the benefits of having pharmacological guidelines for deployments.
6. Locate practical solutions to solving issues arising from deployments.

**CHAIRS**  
Eiko Kobayashi (Japanese Red Cross, Japan) and Wendy Walker (FIP MEPS, Australia)

**PROGRAMME**

1) 09:00 Mental health issues associated with deploying - looking after yourself  
Hanna Morrissey (Charles Darwin University, Australia)

2) 09:40 Reducing stress for deployed pharmacists - producing guidelines on managing pharmacologicals in deployed situations  
Trudi Hilton (FIP MEPS, UK)

3) 10:20 Break

4) 10:40 Issues arising on a deployment - practical solutions  
Eiko Kobayashi (Japanese Red Cross, Japan)

5) 11:20 Development and research of a novel anti-infective and analgesic medicine XJND1201 for treatment of burns and wounds  
Jia Yan-Yan (Fourth Military Medical University of CPLA, China)

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**FRIDAY 2 OCTOBER 2015**

**E11: ROUNDTABLE DISCUSSION ON PROPOSED MANUFACTURING CLASSIFICATION SYSTEM**

Organised by the FIP Industrial Pharmacy Section and the FIP SIG on Formulation Design and Pharmaceutical Technology  
**Friday 2 October 2015, 12:30 – 14:00**  
Duration: 1h30  
Room 3

**LEARNING OBJECTIVES**  
Knowledge-based session

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

1. Describe the advantages and disadvantages of an MCS.
2. Identify the steps to establish an MCS and gain acceptance within the industry.
3. Describe the potential uses of an MCS in the development of new products.
4. Outline the characteristics of drugs and formulations that should be considered when selecting a manufacturing process.

**CHAIRS**  
Linda Hakes (FIP IPS, Germany) and Giovanni Pauletti (FIP SIG on Formulation Design and Pharmaceutical Technology, USA)
LEARNING OBJECTIVES
Knowledge-based session
At the conclusion of this session, participants will be able to:
1. Describe how FIP can produce useful resources and contacts in managing emergent diseases.
2. Describe how FIP advisories can be applied at a national level.
3. Identify the role of pharmacy in managing Ebola virus disease.

CHAIR
Jane Dawson (FIP MEPS, New Zealand)

PROGRAMME
1) 12:30 Introduction by the Chair
2) 12:40 Development of the FIP Advisory
   Aldo Alvarez-Risco (Peru)
3) 13:10 Actual experience of dealing with Ebola
   Mohamed Conteh-Barrat (Sierra Leone)
4) 13:50 Conclusion
FRIDAY 2 OCTOBER 2015

A3: COMPLEMENTARY AND HERBAL MEDICINES: FROM LAB TO COMMUNITY

Organised by the FIP Academic Pharmacy Section, the FIP SIG on Natural Products and the FIP Young Pharmacists’ Group
Friday 2 October 2015, 14:30 – 17:30
Duration: 3h
Room 1

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. State standpoints and roles of WHO for establishment of classification of diseases relevant to traditional medicines.
2. Distinguish characteristics of traditional medicines and conventional medicines.
3. Contrast the current status of traditional medicines in advanced and developing countries.
4. Define the degree to which complementary and alternative medicines influence pharmacy practice in various parts of the world.
5. Explain importance of integration of traditional medicine with conventional (modern) medicine.

CHAIRS
Michiho Ito (Kyoto University, Japan) and Vimal Kishore (Xavier University of Louisiana, USA)

PROGRAMME

1) 14:30 Compilation of a new chapter of ICD-11 for traditional medicines performed in China, Japan and Korea
   Nenad Kostanjsek (WHO, Switzerland)

2) 15:10 Traditional medicines in African countries and their combinatorial use with modern medicine
   Sandra van Dyk (North West University, South Africa)

3) 16:10 Complementary and alternative medicines from the Far East and their role in modern medicine
   Ibrahim Jantan (University of Kebangsaan, Malaysia)

4) 16:50 Medical plants endogenous to Kurdistan, Iraq, and their uses
   Hazhan Mohammed Hama Ali (FIP YPG, Iraq)

5) 15:50 Break

FRIDAY 2 OCTOBER 2015

B6: COMPOUNING - A CORE COMPETENCE OF THE PHARMACIST

Organised by the FIP Community Pharmacy Section and the FIP Industrial Pharmacy Section
Friday 2 October 2015, 14:30 – 17:30
Duration: 3h
Room 3

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Identify how to manage quality assurance in different dosage forms referring to specific patient groups or specific indications.
2. Detect the significance of hygienic measurements to assure the microbiological quality of individual preparations.
3. Distinguish different national experiences in external quality control in the context of a pharmaceutical quality management system related to retail pharmacies.
4. Judge the benefit of a risk-based approach to preparation, in-process controls and quality testing.
5. Identify benefits from cooperation between pharmacist and prescriber in compounding.

CHAIRS
Karin Graf (ABDA, Germany) and Holger Reimann (DAC/NRF, Germany)

PROGRAMME

1) 14:30 Introduction
   Sola Solarin (FIP IPS, United Kingdom)

2) 14:35 Quality assurance in different dosage forms, patient groups and indications
   a. Compounding for opioid replacement therapy, e.g. methadone preparation
      Andreas Schmid (pharmasuisse, Switzerland)
   b. Compounding for diseases of the eyes, nose and ears
      Laurens Schulpen (Apotheek Woerden, The Netherlands)

3) 15:15 Assuring the microbiological quality of individual preparations
   Lisa Britta Schlegel (Zentrallaboratorium, Germany)

4) 16:10 External quality control and certification of the pharmaceutical quality management system - the German way
   Mona Tawab (Zentrallaboratorium, Germany)

5) 16:50 To the best interest of the patient: pharmacist/prescriber cooperation in compounding
   Maria Carvalho (Professional Compounding Centers of America - PCCA, Portugal)
FRIDAY 2 OCTOBER 2015

C2 (ACPE): PATIENT-CENTRED CARE IN A WORLD OF INNOVATION AND PROGRESS?

Organised by the FIP Programme Committee
Friday 2 October 2015, 14:30 – 17:30
Duration 3h
Room 16/17

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Outline how policy decisions flow on into practice.
2. Identify new ways of implementing effective practice.
3. Identify practical relationship-building techniques that will help build an inspired pharmacy team.
4. Adopt the vital importance of the pharmacy leader’s role in creating a culture of optimism.
5. Explain why highly effective leadership requires a commitment to continuous learning.

CHAIRS
Sylvain Grenier (Canadian Forces, Canada) and Zheng-Yu Chen (CPLA, China)

PROGRAMME

1) 14:30 Introduction by the Chair
   Nenad Kostanjsek (WHO, Switzerland)

2) 14:45 Pharmacogenetics: tailoring medicines to the physical needs of patients
   Sandra van Dyk (North West University, South Africa)

3) 15:15 Technology in medicine-taking: new technologies tracking compliance and administration
   Pernille Dam (Pharmakon, Denmark)

15:45 Break

4) 16:00 Religiosity and spirituality: medicine taking and human beliefs
   Yolanda Robles (University of Philippines, Philippines)

5) 16:30 Autonomy or best interests: how do we reconcile the two major principles in bioethics?
   Joy Wingfield (University of Nottingham, UK)

6) 17:00 Q & A, panel discussion, summary & closure

FRIDAY 2 OCTOBER 2015

E7 (ACPE): CREATING PROGRESS THROUGH INNOVATIVE POLICY DECISIONS IN EMERGENCY SITUATIONS

Organised by the FIP Military & Emergency Pharmacy Section
Friday 2 October 2015, 14:30 – 17:30
Duration 3h
Room 6

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. List the humanistic repercussions of progress in medicines on pharmacy practice and patient-centred care.
2. Identify new dimensions of challenges to traditional pharmacy practice, such as different forms of spirituality, religiosity and beliefs that can impact on medicine taking and compliance.
3. Identify the current and projected scope of pharmacogenomics in the practice of pharmacy.
4. Identify and describe new methods of promoting and monitoring compliance in patient-centred care.
5. Express specific requests and respect patient autonomy in pharmacy practice.

CHAIRS
Linda Hakes (FIP IPS, Germany) and Betty Chaar (University of Sydney, Australia)

PROGRAMME

1) 14:30 Bundeswehr pharmacy regulations, standards and inspections
   Matthias Meyer (Bundeswehr, Germany)

2) 15:00 Strategic reorientation in the production of pharmaceuticals within the Bundeswehr Medical Service
   Christian Froben (Bundeswehr, Germany)

15:30 Break

3) 15:45 The age of big data: the opportunity of military drug policy evaluation and decision support technology
   Shu Li-Xin (CPLA, China)

4) 16:15 Building and inspiring a powerful pharmacy team
   Mark Brouker (US Armed Forces, USA)

5) 16:45 MEPS discussion panel: Professional scopes of practice within a military pharmacy
   a. Who conducts professional activities in your military pharmacy? (pharmacist, technician, medic, nurse, etc.)
   b. What activities can they conduct?
   c. How are these activities regulated? (federal/state, military, other laws and regulations)
   Sylvain Grenier (Canadian Forces, Canada)
Organised by the FIP Hospital Pharmacy Section and FIPEd (AIM, EDT)

Friday 2 October 2015, 14:30 – 17:30
Duration: 3h
Room 2

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Outline current pharmacy practices in the context of the Global Competency Framework and the FIP Basel Statements and how they are interlinked.
2. Explain how to apply continuing professional development principles for workforce development using the global competency framework.
3. Explain the concept of advanced competencies and determine the need for global advanced pharmacy practice.
4. Express the role of advanced competency frameworks in workforce development.
5. Describe how workforce performance can be linked to professional development and appreciate the importance of better workforce planning for better patient care.
6. Define how performance can be measured in the workplace in order to develop strategies for advancement.

CHAIRS
Rebekah Moles (The University of Sydney, Australia) and Ian Bates (FIPEd, UK)

PROGRAMME

1) 14:30 The global competency framework, the Basel Statements and a need to develop advanced competencies – is a global framework achievable?
   Andrea Bruno (FIPEd, Portugal)

2) 14:45 Current issues regarding competency based training and assessment - a focus on the Eastern Mediterranean region
   Dalia Bajis (The University of Sydney, Australia)

3) 15:00 Advanced competency - evidence, practice and case studies - report launch
   Kirstie Galbraith (Monash University, Australia)
   a. The Australian experience of development and introduction of a formal pathway to advanced practice recognition
   Bronwyn Clark (Australian Pharmacy Council, Australia)
   b. Singapore - developing specialities in a new health context
   Lita Chew (Ministry of Health, Singapore)

14:45 Break

4) 16:15 (ACPE) D3: Advancing practice through strategic workforce development in community and hospital settings

5) 16:55 Workforce performance: linking individual development - using continuing professional development principles - with workforce performance: better training for better health (in partnership with WHO/WB)
   Ian Bates (FIPEd, UK)

6) a. UK – developing a ‘Royal College’ approach to professional recognition
   Catherine Duggan (Royal Pharmaceutical Society, UK)

b. Global assessment of advancement of hospital pharmacy practice according to FIP’s Basel Statements
   Stephen Eckel (The University of North Carolina, USA)

c. e-Learning projects available for developing countries
   Pascal Bonnabry (University Hospital of Geneva, Switzerland)
**LEARNING OBJECTIVES**

Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe different types of medication review.
2. Describe community pharmacists’ involvement in medication reviews.
3. Explain skills and knowledge that are required for performing different types of medication review.
4. Outline the main steps of a medication review.
5. Investigate the role of a multidisciplinary team.
6. Describe the evidence regarding the different services.

**CHAIRS**

Nina Griese (ABDA, Germany) and Foppe van Mil (Van Mil Consultancy, The Netherlands)

**PROGRAMME**

1) 09:00 Introduction by the Chair
2) 09:05 Medication review - the PCNE definition, different types and examples of applied science characteristics
   Kurt Hersberger (University of Basel, Switzerland)
3) 09:30 Medicines Use Review (MUR) in the United Kingdom
   Cristín Ryan (Queen’s University Belfast, N. Ireland)
4) 09:55 ARMIN – a medication management service in Germany
   Christiane Eickhoff (ABDA, Germany)
5) 10:20 Break
6) 10:35 Clinical medication review in the Netherlands
   Foppe van Mil (Van Mil Consultancy, The Netherlands)
7) 11:00 Home Medicines Review (HMR) in Australia
   Timothy Chen (The University of Sydney, Australia)
8) 11:25 Medication Therapy Management (MTM) Services
   Lawrence Brown (Chapman University, USA)
9) 11:50 Discussion
**LEARNING OBJECTIVES**

*Application-based session*

1. Adopt educational methods that develop a scientific approach to practice.
2. Analyse educational approaches to prepare students to practise in a team-based care model.
3. Endorse programmes that advance professional excellence among practitioners.
4. Compare different models of learning providing the right context for students and practitioners.

**CHAIRS**

Ralph Altiere (University of Colorado, USA) and Linda Aagaard Thomsen (Pharmakon, Denmark)

**PROGRAMME**

1) 09:00 Introduction by the Chair

2) 09:05 Educating scientific thinkers – using and creating evidence to inform patient care
   Rebekah Moles (The University of Sydney, Australia)

3) 09:35 Healthcare team education – inter-professional education
   Roderick Salenga (UP College of Public Health, Philippines)

10:05 Break

4) 10:20 Advancing practitioners’ professional excellence
   Ryan Jacobsen (University of Iowa Health Care, USA)

5) 10:50 How to provide practice context in the academic environment?
   Martine Ruggli, Pharmasuisse (Switzerland)

6) 11:20 Roundtable discussions, reports and panel Q & A

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**LEARNING OBJECTIVES**

*Knowledge-based session*

1. Describe the historical development of the profession in different countries.
2. Identify interesting milestones in the history of pharmacy profession.
3. Specify initiatives organised around the globe related to preserving heritage of the profession of pharmacy.

**CHAIR**

Jacques Gravé (Sauvegarde du Patrimoine Pharmaceutique, France)

**PROGRAMME**

1) 09:00 The apothecary of Baugé in France: a beautiful heritage of the XVIIth century
   Jacques Gravé (Sauvegarde du Patrimoine Pharmaceutique, France)

2) 09:30 Serbian pharmacy day - 185 years of the first pharmacy in Serbia
   Vesna Matovic (University of Belgrade, Serbia)

3) 10:00 The effect of the Soviet repression on the Latvian pharmaceutical sector 1940-1941
   Sabine Lauze (Riga Stardsins University, Latvia)

10:30 Break

4) 11:00 An Islamic pharmacy from the XIXth century in Portugal - a dialogue between cultures in health heritage history
   Joao Neto (Museu da Farmacia - Associação Nacional das Farmacias, Portugal)

5) 11:30 The French Chamber of Pharmacists (CNOP) confers new statuses to its heritage collection
   Olivier Gross (French Chamber of Pharmacists, France)
SATURDAY 3 OCTOBER 2015

D13 (ACPE): TRANSPARENCY AND SOCIAL MEDIA - THE PHARMACIST AS THE SPIDER IN THE WEB

Organised by the FIP Industrial Pharmacy Section, the FIP Health and Medicines Information Section, the FIP Social and Administrative Section
Saturday 3 October 2015, 12:30 – 14:00
Room 6

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe how the pharmacist can take part in the transparent healthcare environment created by social media.
2. Distinguish between relevant and non-relevant patient-focused information available on the Internet (including social media).
3. Identify the role of the pharmacist as a trusted partner in a web-based healthcare system.
4. Endorse web-based information quality assurance processes by providing high quality healthcare information to patients.

CHAIRS
Kerstin Neumann (FIP IPS, Germany) and Parisa Aslani (FIP HMIS, Australia)

PROGRAMME

1) 12:30 eHealth vs. traditional health: Add on or replacement? The role of social media in the healthcare community
2) 12:50 Patient privacy in the world of transparency – does privacy limit innovation? The patient perspective
3) 13:10 Digital marketing to patients: safety monitoring in social media in an outcome-based healthcare system – where does industry’s responsibility end?
   Phil Tregunno (Medicines and Healthcare products Regulatory Agency, UK)
4) 13:30 The pharmacist in social media – new ways to deliver services to patients
   Cody Midlam (FIP SAPS, USA)
5) 13:50 Panel discussion

SATURDAY 3 OCTOBER 2015

E5: JOINT FIP – RED CROSS SESSION - VIOLENCE AGAINST PHARMACIES

Organised by the Red Cross, the FIP Community Pharmacy Section and the FIP Military & Emergency Pharmacy Section
Saturday 3 October 2015, 12:30 – 14:00
Room 1

LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Evaluate the improvements that can be made to improve security at the community pharmacy.
2. Identify current security needs and actions to be taken by using appropriate checklists.
3. Distinguish how to protect and safeguard the core operations of pharmacy.
4. Identify how to minimise risks for violence against community pharmacies.
5. Distinguish that safety and security are perishable and need continuous work.
6. Outline a security plan for the pharmacy in order to create a safe environment for customers and staff.

CHAIRS
Lars-Åke Söderlund (FIP CPS and Apoteket, Sweden) and Jane Dawson (FIP MEPS, New Zealand)

PROGRAMME

1) 12:30 Violence towards healthcare professionals is not acceptable - existing situations and campaigns within the International Red Cross of high value for community pharmacy
   Bruce Eshaya-Chauvin (Medical Adviser/Healthcare in Danger Project, International Committee of the Red Cross)
2) 12:55 How far forward should a pharmacy or a medical logistics department deploy in a war zone?
   Wendy Walker (FIP MEPS, Australia)
3) 13:20 Strategies to address the violence against pharmacies in peace time
   Anette Falk (Apoteket AB, Sweden)
4) 13:45 Discussion and practical advice
LEARNING OBJECTIVES
Application-based session
At the conclusion of this session, participants will be able to:
1. Advocate the importance of changes in advancing the pharmacy profession.
2. Demonstrate the commitment to change by concrete examples.
3. Adopt the take-home messages of the Congress.
4. Express the self-defined commitments to change for everyday practice and science work.

CHAIRS
Arijana Meštrović (FIP CPC, Croatia) and Giovanni Pauletti (FIP CPC, USA)

PROGRAMME
1) 12:30 Reconnecting science and practice - report messages from congress sessions
   Giovanni Pauletti (FIP CPC, USA) and Arijana Meštrović (FIP CPC, Croatia)

2) 12:50 Short reports and key messages from pre-symposia

3) 13:00 Personal commitments from FIP participants: Good luck with your plans!
   Mike Rouse (FIP EDT Education Lead for Quality Assurance, USA)

4) 13:20 Congress highlights - inside view
   Timothy Chen (FIP SAPS, USA)

5) 13:40 Conclusions and wrap up: See you in Buenos Aires!
   Luc Besançon (FIP, The Netherlands)

COMMIT TO CHANGE USING THE FIP POSTCARDS!
Find the postcard in your congress bag and write the change you are committed to make to improve your practice, educational or scientific work based on what you have learned and experienced during the Congress! Add your name and postal address and put the card in the “Commitment to Change Postbox” at the FIP booth in the exhibition hall. You will receive a special congress badge ribbon and FIP will mail the card to you in the New Year, to remind you and support your commitment to change. All the postcards will be collected to highlight the take-home messages at the E17 Closing session: Who is committed to change? Join us on Saturday 3rd Oct 12:30-14:00 in Room 2, to hear the commitments of your peers.

Commitment to change is crucial for advancing the profession of pharmacy. Change can occur at the individual, local, national or international levels.

CHAIR
Thony Björk (FIP, Sweden)

PROGRAMME
1) 12:30 Presentation of CISMED, the Information Centre for the Supply of Medicines – a tool to address medicines shortages
   Laura Martín Gutiérrez (General Pharmaceutical Council, Spain)

2) 13:00 New pharmacy regulations and GPP guidelines in the Philippines
   Leonila Ocampo (Philippine Pharmacists Association, Philippines)

3) 13:30 Pharmacy services in primary healthcare: a comprehensive strategy for Costa Rica
   Lorena Quiros (Pharmaceutical Society of Costa Rica, Costa Rica)
LEARNING OBJECTIVES
Knowledge-based session

At the conclusion of this session, participants will be able to:
1. Describe the impact of medicines which impair driving on traffic safety.
2. Endorse prescribing and dispensing guidelines for medicines and driving fitness.
3. Adopt the categorisation system for medicines which affect fitness to drive.
4. Explain the role of the pharmacist in establishing standards to communicate risk concerning medicines that impair driving in patient safety.
5. Demonstrate the use of pictograms in risk communication to patients.

CHAIRS
Han de Gier (University of Groningen, The Netherlands) and Parisa Aslani (The University of Sydney, Australia)

PROGRAMME

1) 14:30 Medicines and driving: an introduction
   Han de Gier (University of Groningen, The Netherlands)

2) 14:50 Categorisation and labelling system for medicines and driving fitness
   Javier Alvarez (University of Valladolid, Spain)

3) 15:15 Prescribing and dispensing guidelines
   Charles Mercier-Guyon (University of Grenoble, France)

4) 15:40 Break

5) 16:15 Evaluation of training and ICT support for patient counselling by pharmacists
   Alain Verstraete (University of Gent, Belgium)

6) 16:40 Risk communication in medicines and driving by using pictograms
   Han de Gier (University of Groningen, The Netherlands)

7) 17:05 Discussion session – examples from the audience
LEARNING OBJECTIVES
Knowledge-based session
At the conclusion of this session, participants will be able to:
1. Explain the behavioural background of change management and social intelligence in healthcare professions.
2. Advocate for the process of change and innovation implementation at individual, organisational and national level in pharmacy.
3. Conduct the processes of producing and using evidence in pharmacy practice.
4. Adopt the ideas of service improvement and competency development.
5. Perform possible changes in their everyday practice.

CHAIR
Arijana Meštrović (Pharma Expert, Croatia)

PROGRAMME
1) 14:30 Introduction by the Chair
2) 14:40 Creativity and motivation – defining social intelligence in the pharmacy profession
   Katherine Pedro Beardsley (University of Minnesota, USA)
3) 15:10 Committed to quality – committed to change
   Helen Gordon (Royal Pharmaceutical Society, UK)
4) 15:40 Break
5) 16:00 Pharmacy practice between reading and writing evidence – do we have time?
   Foppe van Mil (Van Mil Consultancy, The Netherlands)
6) 16:30 Mind the gap – evidence based pharmacy practice – are we ready?
   Tim Chen (FIP SAPS, Australia)
7) 17:00 Starting the change today - Final exercise with the audience and wrap up
   Arijana Meštrović (Pharma Expert, Croatia)

SATURDAY 3 OCTOBER 2015
D1 (ACPE): CLOSING THE GAP BETWEEN EVIDENCE AND PRACTICE

SATURDAY 3 OCTOBER 2015
E3 (ACPE): PHARMACY NEEDS MORE LEADERS - HOW TO RESPOND

LEARNING OBJECTIVES
Application-based session
At the conclusion of this session, participants will be able to:
1. Explain what leadership means and driving changes in connecting science and practice through leadership development.
2. Research case-examples of leadership from different countries and member organisations, connecting the science and the practice aspects.
3. Analyse the types of leadership required on a global level to promote and develop the pharmacy profession and how to develop and attract leaders in our profession.
4. Translate specific examples of leadership development to personal development.

CHAIRS
Jill Boone (FIPEd, USA) and Luis Lourenco (FIP CPS and YPG, Portugal)

PROGRAMME
1) 14:30 What do we mean by ‘leadership’? How can science and practice be connected?
   Introduction
   Tina Brock (FIPEd, USA), Zubin Austin (Canada), Catriona Bradley (Ireland), Kayley Lyons (USA)
2) 15:20 Workshop activity
   Facilitator: Lynnae Mahaney (Center for Pharmacy Practice Accreditation, USA)
3) 16:10 Break
4) 16:30 Global citizens, global pharmacists, global leaders – is there a strategy to build?
   Sudax Murdan (University College London, UK)
5) 16:45 WHO Technical Group engagement - scientific development applied in the field
   Rebecca Bailey (IntraHealth and Technical Working Group Expert, Switzerland)
6) 17:00 Workshop activity
   Facilitator: Joseph Bonnarens (Manchester University, UK)
7) 17:20 Closing remarks
   Luis Lourenco (FIP CPS and YPG, Portugal)
Organised by the FIP Industrial Pharmacy Section, in association with the Academy of Pharmaceutical Sciences (APS)
Thursday 1 October 2015, 10:00-16:00
Duration: 6h
Location: Johnson & Johnson, Platz 2, Neuss / Germany
Bus transport will be provided, separate registration required

LEARNING OBJECTIVES
Knowledge-based session
At the conclusion of this session, participants will be able to:
1. Distinguish and describe what role pharmacists can play in pharmaceutical industry.
2. Describe the drug development process in detail and be able to make an assessment of the different factors affecting the process.
3. Evaluate where the source of innovation is and what is needed to create innovation.
4. Investigate the value of networking and creating contacts and get advice how to do it in an efficient way.

CHAIR
Sini Eskola (FIP IPS, Belgium) and Claire Thompson (Academy of Pharmaceutical Sciences, UK)

PROGRAMME
08:30 Bus transportation from Congress Center Düsseldorf to meeting location at Johnson & Johnson, Neuss

09:00 Registration & coffee

09:30 Introduction
Mike Anisfeld (FIP IPS) and Jayne Lawrence (APS)
Keynote address
Michael von Poncet (Director Medical & Scientific Affairs, Janssen Cilag)

10:00 From discovery to medicine - A day in the life - Panel I
Moderator: Linda Hakes (FIP IPS)
Presenter 1: Research & Development Hannah Batchelor (Biopharmaceutics Scientist, University of Birmingham)
Presenter 2: Formulation science Klaus Benke (Bayer AG)
Presenter 3: Clinical trials
Presenter 4: Manufacturing Henrik Müller (Aesica)
Presenter 5: Quality control & GMP Eva Maurer (Aesica)

11:15 Coffee & networking
J&J pharmacists join for networking and further information

11:45 Molecules to Medicines interactive game: Live out the process of making a medicine, the decisions, risks and costs. Can your team get your medicine approved? Led by APS

12:15 Lunch & networking
J&J pharmacists join for networking and further information

13:15 From medicine to patient – A day in the life - Panel II
Moderator: Igor de Linares Castro (FIP IPS)
Presenter 1: Medical affairs Kerstin Neumann (Johnson & Johnson)
Presenter 2: Pharmacovigilance Ann Kristin Neuroth (Johnson & Johnson)
Presenter 3: Policy & communications Ulf Janzon (MSD)
Presenter 4: Health economics & outcomes research Stefie Rönberg (Janssen)
Presenter 5: Pharmaceutical chemistry & pharmacovigilance Niina Sani (DRA Consulting)

15:30 Coffee break

15:45 HR info flash – tips for applicants for the pharmaceutical industry
Martin Pompe (Johnson & Johnson)

16:00 Interactive plenary session: Industry in partnership with other players in the healthcare system. Focus on innovation: What is innovation to you? Where does innovation occur? Who is driving it?
Moderator: Claire Thompson (APS)
Panel: Ulf Janzon (Industry)
Jayne Lawrence (Academia)
Sarah Sinclair (Pharmacy Practice)

16:45 Closing remarks
Sini Eskola (FIP IPS, EFPIA)

17:00 Bus transportation back to Congress Center Düsseldorf

ADDITIONAL PROGRAMME ITEMS
INDUSTRIAL INSIGHTS
Organised by Pharmabridge
Thursday 1 October, 12:30-14:00
Room 7a

Pharmabridge aims to strengthen pharmaceutical services in developing and transitional countries through coordinated support from the pharmacy establishment and individual pharmacists in developed countries. This is done by linking up people for book donations, for visits of pharmacists from DCs for practice exposure to countries with more advanced pharmacy education and practices, and for lectures and workshops in DCs. The project is supported by the International Pharmaceutical Federation (FIP), its Board of Pharmaceutical Practice (BPP) and the Commonwealth Pharmaceutical Association (CPA). The session will include an update on Pharmabridge, reports and results of Pharmabridge practice exposures and an ensuing discussion.

All those interested in the project, from developing or developed countries, wanting to establish contacts with colleagues from other countries (or even a specific country) are invited to attend this meeting.

People with books, DVDs etc. to offer, are encouraged to bring them to the meeting and give them to colleagues from less affluent countries.

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FOLLOW FIP

As a global leader in representing over three million pharmacists and pharmaceutical scientists, FIP is now able to connect all their members and individuals together via FIP’s social media networks. Please follow us with interesting developments and discussions in the field of pharmacy on Facebook, Twitter and LinkedIn. That is not all: with our newly developed FIP 2015 app, available for iOS and Android, you can stay up to date during the congress and before with news and announcements as well as the events on the congress and personalise your day to day congress experience.

facebook.com/FIPcongress

linkedin.com/company/fip

Twitter: #FIPcongress
WANT TO KNOW MORE ABOUT FIP SECTIONS AND SIGS?

If you want to know more about the work and activities of FIP (practice) sections or (scientific) special interest groups, don’t hesitate to attend the following meetings.

OVERVIEW OF SECTION BUSINESS MEETINGS/GENERAL ASSEMBLIES
The FIP Section general assemblies (also called business meetings) are open to all interested participants. They take place as follows:

Academic Pharmacy Section (APS)
Business meeting
Friday 2 October 2015, 07:30 – 09:30
Room 8

Community Pharmacy Section (CPS)
Steering Committee meeting
Thursday 1 October 2015, 14:00 – 17:00
Room 7a

Health and Medicines Information Section (HaMIS)
Business meeting
Friday 2 October 2015, 12:15 – 14:15
Room 7a

Hospital Pharmacy Section (HPS)
Section assembly
Friday 2 October 2015, 12:45 – 13:45
Room 8

Industrial Pharmacy Section (IPS)
Business meeting
Saturday 3 October 2015, 12:15 – 14:00
Room 8

Military and Emergency Pharmacy Section (MEPS)
Business meeting
Saturday 3 October 2015, 10:15 – 12:15
Room 7b

Social and Administrative Pharmacy Section (SAPS)
Business meeting
Friday 2 October 2015, 12:30 – 13:30
Room 7b

OVERVIEW OF SPECIAL INTEREST GROUP PRESENTATIONS - “MEET THE SIGS”
FIP currently has 8 scientifically oriented Special Interest Groups. Through the Meet the SIGs meetings at the congress, you will be able to find out what they have to offer to you and what you can offer to them.

At each Meet the SIG the Chair introduces his or her group. Then the focus will be on how to become engaged with the SIG. The specific impact of the SIG on pharmacy practice will also be indicated.

Meet the SIG on Biotechnology
Wednesday 30 September 2015, 15:00 – 15:30
Room 11

Meet the SIG on PK/PD & Systems Pharmacology
Wednesday 30 September 2015, 15:30 – 16:00
Room 11

Meet the SIG on Formulation Design & Pharmaceutical Technology
Wednesday 30 September 2015, 16:00 – 16:30
Room 11

Meet the SIG on Analytical Sciences & Pharmaceutical Quality
Wednesday 30 September 2015, 16:30 – 17:00
Room 11

Meet the SIG on Drug Design and Discovery
Wednesday 30 September 2015, 17:00 – 17:30
Room 11

Meet the SIG on Translational Research and Individualized Medicines
Wednesday 30 September 2015, 17:30 – 18:00
Room 3

Meet the SIG on Regulatory Sciences
Wednesday 30 September 2015, 17:30 – 18:00
Room 2

YOUNG PHARMACISTS GROUP (YPG)
Business meeting
Friday 2 October 2015, 14:30 – 17:30
Room 8

INTERNATIONAL PHARMACEUTICAL STUDENTS’ FEDERATION (IPSF)
Business meeting
Wednesday 30 September 2015, 15:30 – 17:00
Room 6

OVERVIEW OF THE REGIONAL PHARMACEUTICAL FORUM MEETINGS
Regional pharmaceutical forums bring together national pharmacy associations, the World Health Organization (WHO) and FIP in six regional platforms.

Some Forums organise sessions open to all interested:

African Pharmaceutical Forum
Saturday 3 October, 16:00 – 17:30, Room 8

Pharmaceutical Forum of the Americas
Thursday 1 October, 09:00 – 12:00, Room 8
Please note that the meeting will be run in Spanish. Interventions in Portuguese and English are welcome.

Western Pacific Pharmaceutical Forum
Annual General Meeting & General Assembly
Saturday 3 October, 12:30 – 14:30, Room 7b
Open to all delegates from WPPF countries
GENERAL INFORMATION

BADGES
Participants will be handed their name badges at the registration desk. Due to security regulations all participants and accompanying persons must wear their badges throughout the Congress.

Participants with white badges, including a barcode, will be admitted to the sessions. Accompanying persons (badges in a different colour) may attend the Opening Ceremony and social events but will not be allowed to attend sessions. Please note that your badge will be scanned at the entrance and exit of each session. This information will only be used for accreditation and evaluation purposes.

BREAKS
Exhibition Hall, Foyers
The coffee breaks (15-20 minutes) during the sessions will take place between 10:00 and 11:00 in the morning and between 15:30 and 16:30 in the afternoon.
Between the sessions there will be a lunch break from 12:00 to 14:30. Participants can collect their lunch boxes from the distribution stations in the Wintergarden.
Please note that some sessions are also organised between 12:30 and 14:00.

CITY TOURS IN DÜSSELDORF
To book a tour during the congress, please visit the Tourist Information Office:
TOURIST INFORMATION OFFICE CENTRAL STATION
Immermannstraße 65 b
Opening hours
Monday–Friday: 09:30–19:00
Saturday: 09:30–17:00

TOURIST INFORMATION OFFICE ALTSTADT (OLD TOWN)
Markstraße/corner Rheinstraße
Opening hours
Monday–Sunday: 10:00–18:00

DRESS
Informal dress is acceptable for all sessions but business attire is recommended for the Opening Ceremony.

MEDIA ROOM
The Congress Media Room will offer a number of services, strictly limited for official press representatives and professional journalists. Press accreditation and press registration are required for access to the Congress Media Room.

NO SMOKING
Please note that all FIP Congresses are tobacco-free: Smoking is NOT allowed anywhere, not in the session rooms, not in the exhibition area, not in the poster sessions and not in the registration area.

RIBBONS
Participants can have a ribbon or a special text in colour on their badge:

<table>
<thead>
<tr>
<th>Colour</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>FIP Executive Committee, FIP Chairs of the Boards, FIP Past and Honorary Presidents, FIP Vice Presidents, Host Committee</td>
</tr>
<tr>
<td>Brown</td>
<td>1st Timers</td>
</tr>
<tr>
<td>Orange</td>
<td>FIP Foundation Supporters</td>
</tr>
<tr>
<td>Yellow</td>
<td>FIP Council Members</td>
</tr>
<tr>
<td>Light yellow</td>
<td>FIP Council Observers</td>
</tr>
<tr>
<td>Olive green</td>
<td>FIP Foundation Directors</td>
</tr>
<tr>
<td>Fuchsia</td>
<td>Press</td>
</tr>
<tr>
<td>Royal blue</td>
<td>Speakers and Chairs</td>
</tr>
<tr>
<td>Yellow</td>
<td>Staff</td>
</tr>
<tr>
<td>Lime</td>
<td>Deans Forum</td>
</tr>
<tr>
<td>Light blue</td>
<td>Pharmacists in Politics</td>
</tr>
<tr>
<td>Royal blue</td>
<td>Satellite Symposium: Pharmacy Technicians</td>
</tr>
<tr>
<td>Purple</td>
<td>Section ExCo members and Special Interest Group Chairs</td>
</tr>
<tr>
<td>Soft pink</td>
<td>Poster presenters</td>
</tr>
<tr>
<td>Maroon</td>
<td>Committed to Change (see page 86)</td>
</tr>
</tbody>
</table>

GOLD
Loyal GOLD congress participants who have attended more than 10 FIP Congresses: Thank you and congratulations!

WIFI
Free WiFi will be available in the Wintergarden area of the Congress Center.
Username: fip2015
Password: congress
Our goal at the FIP Foundation is to develop programmes to support pharmacy practice worldwide.

Please buy our limited edition FIP Foundation mug at the FIP booth (Exhibition Hall) so that we can keep working towards this goal. This mug celebrates the foundation’s education work; it has been specially designed with a chalkboard-like exterior and comes with two sticks of chalk.

The FIP Foundation will also be holding a raffle with a number of exciting prizes. First prize is a full registration for the 76th World Congress of Pharmacy and Pharmaceutical Sciences in Buenos Aires, Argentina, in 2016. Tickets are on sale at the FIP booth. The draw will take place during lunchtime on Saturday 3 October in the Exhibition Hall: Do join us.

Only with your support we can continue seeding opportunities
www.fipfoundation.org

Systems approaches for better medicines and health

Join leading pharmaceutical scientists from around the world to discuss cutting-edge research and up-and-coming developments at the Pharmaceutical Sciences World Congress 2017 in Stockholm, Sweden.

THE SYSTEMS THERAPEUTICS APPROACH

In research, systems biology offers a novel approach to:

i) Identifying pathways of disease;
ii) Discovering drug targets; and
iii) Discovering biomarkers (for monitoring of the treatment response).

In practice, this will lead to the introduction of “systems therapeutic” interventions, which are:

i) Personalised (both with respect to the selection of drugs and dosing regimens),
ii) Disease modifying (with emphasis on pre-emptive and preventive treatments), and
iii) Complex (such as multi-target drugs, rational drug-drug combinations, drug-device combinations).
LIST OF PARTICIPANTS
(Registered until 15 August 2015)

AFGHANISTAN
Mirza Mohammad Ayubi
Zakiiullah Azizi
Abdul Naasir Lutfie
Nawid Musarat
Abdul Hafiz Quraishi
Mohammad Asif Yari
Afghanistan total: 6

ALBANIA
Ranela Ceci
Enkelejd Collaku
Suela Kellici
Narvinia Sinani
Melisa Troshani
Albania total: 5

ALGERIA
Ahlem El Ghoul
Algeria total: 1

ARGENTINA
Paula Israel
Jorge Martiarena
Mascaro Raúl Eduardo
David Suarez
Argentina total: 4

AUSTRALIA
Mariyam Aly
Bill Arnold
Patry Chulani
Dalia Bajis
Patrick Ball
Kevin Batty
Carolyn Bell
John Blackmore
Arcelo Benetoli
Charlie Benrimoj
Andrew Brown
Betty Chulani
William Charman
Timothy Chen
Bronwyn Clark
Marian Costelloe
Rachel Cutler
Mark Douglass
Greg Duncan
Desire Dokus
Lance Emerson
Jill Feeney
Jordyn Finlay

AUSTRALIA total: 66

BELGIUM
Koen Bousery
Dirk Broeckx
Joel Brouwers
Ivan Demeester
Lode Dewulf
Eline Tommelein
Marie Timmermann
Janute Svarcaite
Sophie Sarre
Jan Saevels
Silas Rydant
Charles Ronlez
Sandrine Peeters
Janice Geers
Els Mehus
Carlo Schneider
Steve Shaddock
Paul Sinclair
Amy Page
Iqbal Ramzan
Tristan Rawling
Alison Roberts
Daniel Sabater Hernandez
Sujata Sapkota
Carl Schneider
Steve Shaddock
Paul Sinclair
Amy Page
Iqbal Ramzan
Tristan Rawling
Alison Roberts
Daniel Sabater Hernandez
Sujata Sapkota

BOSNIA AND HERZEGOVINA
Fatima Inasnic-Jusufovic
Djurdjica Kopanja
Bosnia and Herzegovina total: 2

BRAZIL
Joselina Frade
Nelson Dos Junior
Sílvia Leite
Igor Linhares De Castro
Priscila Mazzola
Pedro Menegasso
Lauro Moretto
Matheus Rocha
Walter Silva Jorge João
Cinthia Souza
Brazil total: 10

BULGARIA
Kremena Aleksandrova
Atanas Angelov
Anton Avdzhiiev
Nedyalka Chevenkova
Ivan Dermendzhiev
Elisaveta Dimitrova
Marijana Eneva-Dimitrova
Minko Gatev
Marijana Gaydarova
Nadezha Georgieva
Nadezha Grigorova
Velina Grigorova
Dilyana Ivanova
Svetoslav Karamihov
Vesela Kavlakova-Nazarova
Tsvetana Kireva
Tanya Koleva
Anton Kryasant
Romeo Milkov
Lidya Neytcheva
Tsanka Peeva
Parvoleta Peteva
Tatjana Petrova
Reni Stoilova
Dimitrinka Taskova
Kiril Tenev-Kochat
Nikolay Uzunov
Tsvetanka Valchanova
Ana Vasileva
Aneta Zaharieva
Bulgaria total: 30

CHILE
Adriana Patricia Acuna-Johnson
Chile total: 1

CHINA
Hong Cai
Qingquan Cai
Wei Cao
Hong Chang
Gang Chen
Xiao Chen
Zhenyu Chen
Yuanxuan Dai
Yufeng Ding
Haiyan Dong
Jie Dong
Xia Du
Xiaoying Fu
Zhihui Geng
Xue Peng Gong
Yanchun Wang
Yanchun Wang
Yanyan Wang
Guanlin Wei
Jianying Wei
Li Wei
Lin Wu
Xianglin Xiao
Li Xue
Shouxia Xie
Aizhen Xiong
Fengqin Xu
Lei Xu
Hui Yang
Li Yang
Min Yang
Lika Ye
Bin Yu
Zhongmin Yu
Jen Zeng
QATAR
Mohamad Abdelaziz
Tarek Ahmed
Amiri Alabbad
Elsayed Baraya
Ayman El-Kadi
Nadir Kheir
Qatar total: 6

ROMANIA
Ioan Antofei
Gabriela Babalac
Dana-Emna Coltoaneanu
Elena Fainiuc
Andreea Floroiu
Cristina Grigore
Gana Harsescu
Cristina-Gabriela Stezoa
Alexandra Stoica
Carmen Sultan
Romania total: 11

RUSSIAN FEDERATION
Vladimir Babi
Natalia Chukreeva
Anton Karasavidi
Andrei Meshkovski
Igor Narkevich
Natalia Shiltseva
Elena Trofimova
Roza Yagudina
Russian Federation total: 8

SAUDI ARABIA
Mansour Al Howaitan
Hanadi Al Sabban
Osama Alahmadi
Zakariya Aldobayan
Osama Alahmadi
Hanadi Al Sabban
Mansour Al Howaitan
Saudi Arabia total: 9

SIERRA LEONE
Mohamed Conteh-Barrat
Sierra Leone total: 1

SINGAPORE
Lita Chew
Rachel Ee
Annie Siau
Choon Kee Tey
Tuck Seng Wu
Singapore total: 6

SLOVENIA
Ivanka Brus
Sabina Grm
Ursa Jarc
Bostjan Martinic
Tomaž Mezgec
Aljaž Pinsik
Darja Potokníc
Ana Preglav
Irena Pusnik
Polona Reiter
Maja Seri
Matjaž Tuš
Andreja Vravnik
Slovenia total: 13

SOUTH AFRICA
Christine Venter
Sandra Van Dyk
Natasha Neveling
Sham Moodley
Natalasha Neveling
Sandra Van Dyk
Christine Venter
South Africa total: 19

SPAIN
Jaime Acosta Gomez
Jesus Aguilar
Javier Alvarez
Marta Alvarez
Luis Amaro
Dolores Fernández
Nuria Fernández Pérez
Raquel Garcia Escolano
Teresa Garrigues
Víctor Gil Rodríguez
Victoria Gomez-Murcia
Josep Maria Guiu
Blanca Gutierrez-Colomer
Laura Martin Gutierrez
Maria Rosa Jiménez-Castelanos
Rosa Lopez-Torres
Pablo Martí Andres
Luis Muro
Luis Muro
Laura Martin Gutierrez
Marina Panagouza Lopez
Carmen Peña Lopez
Oscar Penin
Baltasar Pons
 Sonia Ruiz
 Gonzalo Sousa Pinto
 Inaki Troconiz
 Benigna Villasuso
 Spain total: 25

SWAZILAND
Sara Padidar
Swaziland total: 1

SWEDEN
Gunilla Andersson
Marian Attalla
Anda Beckman Gyllenstrand
Nils Bergéé Nygren
Kristina Billberg Fritjofsson
Thony Bjork
Helena Calles
Catharina Claesson
Lisa Ekstrand
Anette Falk
Agneta Freij
Helena Gustafsson
Katja Hakanen
Clary Holtendal
Claus Jæger
Carina Jansson
Ulf Janzon
Elin Lindhagen
Malkolm Jems Makdesi Elias
Sara Nilsson
Nina Nilsson
Tomi Nuutinen
Johannes Nyqvist
Sara Öhrmark
Sandrine Von Grunigen
Fabian Vaucher
Kwok-Cho Tang
Fabian Vaucher
Sandrine Von Grunigen
Agathe Wehri
Nicolas Widmer
Gabrielle Wiederkehr
Switzerland total: 33

TANZANIA
Nelson Faustine
Issa Hango
Michael Kishiwa Francis
Francis Kittinga
Zainabu Nyamunguni
Winna Shango
Elizabeth Shekalaghe
Fritz Steinhausen
Boniphace Thomas
Geofrey Yambayamba
Switzerland total: 33

TURKEY
Omer Abaci
Abdikarim Abdi
Nabil Abunahlah
Haider Al-Baghdadi
Gulin Amsaya
Muhammet Arpa
Filiz Atalay
Mert Atç
Ethem Bicer
Fatma Bilgen Bilge
Serif Boyaci
Enver Cizak
Derya Cicek Polat
Fatuk Comertoglu
Ali Edis
Muhammed Elbasan
Cansel Kose Oztan
Omer Kosk
Esra Kucuk
Ay kut Kursun
Berkan Kurt
Osman Nezarat Kurgal
Lale Ku
cu
Osman Nevzat Kurtoglu
Lale Ku
cu
Aykut Kursun
Esra Kucuk
Ay kut Kursun
Berkan Kurt
Osman Nezarat Kurgal
Lale Ku
cu
Huseyin Yilmaz Manav
Necip Mercan
Mirjana Milić
Adil Levent Ocalan
Ali Cem Oguzcan