The FIP Foundation for Education and Research has the objective of promoting the educational and research ventures of pharmacists and pharmaceutical scientists and expanding its role into charitable projects towards global health.

One of our key focuses in 2015 has been to continue to support the FIP Education Initiative (FIPEd) in organising the Global Conference on Pharmacy and Pharmaceutical Sciences Education. This event will now take place on 7 and 8 November 2016 in Nanjing, China, and I would like to acknowledge the support of the International Pharmaceutical Federation (FIP).

The FIP Foundation works towards the development of global leadership in the pharmaceutical field as well as the development of pharmacy and pharmaceutical science. In 2015, we were able to award 14 travel grants, the Ton Hoek Scholarship for Global Leadership and, together with the FIP Young Pharmacists’ Group, a grant to encourage innovation in pharmacy by a young pharmacist or pharmaceutical scientist.

The foundation has also continued to support the Health Literacy Fund (pictogram project) and here I would like to acknowledge the aid of the Canadian Pharmacists Association and the Turkish Pharmacists Association.

In 2015 the FIP Foundation commissioned a strategic fundraising consultancy firm to assist us in finding new ways to raise funds for the goals we have.

This report shows how donations really do make a difference to individuals and projects. Without donations we would not be able to support the worthwhile activities the foundation supports, in line with our goal to further education and research in the pharmaceutical field.

I urge you to help us with our work. Our website [www.fipfoundation.org](http://www.fipfoundation.org) makes it easier to donate directly.

Thony Björk
Chairman
FIP Foundation for Education and Research
FUTURE OF EDUCATION
The FIP Foundation continues to support the FIP Education Initiative (FiPeD) activities, the strategic objectives of which have been detailed in the FiPeD 5-year Action Plan (2014-18). One of the seven pillars of this plan is to bring together leaders in education through a global conference to discuss and debate current challenges, and to share and build solutions in order to develop a global vision for pharmacy and pharmaceutical sciences education.

During 2015, the planning committee held meetings to establish the conference structure. During these meetings the first draft of statements were discussed and developed. The main goal is to set global standards advocating change and reform. More information can be found on the conference website.

Global Conference on Pharmacy & Pharmaceutical Sciences Education
7-8 November 2016
Pictogram Project

The FIP Foundation has continued to support the FIP pictogram project. Pictograms give health professionals a means of communicating medication instructions to people with no common language or who are illiterate, or both. Pictograms may also be used for those who have slight cognitive impairment.

“2015 was a really exciting year for the team working on the pictograms. The focus of our work was the optimisation of the FIP pictogram software, previously called ‘The Pictogram Architect’ Our teams of volunteer professionals have worked many hours resulting in the launch of the new pictogram software called ‘PictoRx’. The new software was launched during the 2015 congress of the International Pharmaceutical Federation (FIP).” — Régis Vaillancourt, pictogram project lead.

Besides the launch of the new software, the working group on pictograms achieved several milestones during 2015. Pictograms for “Give medication via gastric tube” and “Nasal spray” were developed. Pictograms for safer medication practices by health care workers were developed, in which nine key medication issues were identified and three pictograms per issue were developed. ‘PictoRx’ has been translated into 12 different languages (Arabic, Bahasa Melayu, Chinese, Dutch, English, French, German, Maori, Polish, Spanish, Swedish, Romanian) to help pharmacists ensure that patients who need medicines understand how to take them when there is no common language or when patients have low literacy levels. Furthermore, agreements for collaborative work on the development and validation of pictograms were signed with the following organisations:

- Department of Pharmaceutical Technology, Faculty of Pharmacy, Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Torun (Poland).
- Faculdades Católicas (Brazil)
- Ohio University (USA)
- Children's Hospital of the King's Daughter (USA)
- National University of Singapore (Singapore)

‘PictoRx’ allows pharmacists and other health care providers to create illustrated medication labels, calendars and storyboards from validated pictograms that depict the different components of medication instructions such as the indication, dose and route, frequency, side effects and precautions. The latest version of the software is free to download at www.fip.org/pictograms.
PHARMABRIDGE
The foundation further supported the Pharmabridge programme, which aims to strengthen pharmacy services in low-income and emerging countries. Pharmabridge links individuals and institutions so that resources and training in pharmacy practice, pharmaceutical science, the pharmaceutical industry and professional pharmacy education are exchanged.

In 2015, 10 people (from India, Uganda, Nigeria, Philippines, Ghana, Cuba and Tanzania) were placed for practice exposure. This brings the total of pharmacists placed since 2001 to 98. As usual, many book donations are coordinated under the programme. The annual book donations from the American Pharmacists Association (APhA) in 2015 were allocated to the Philippines. “Placements could not have been organised without the generosity of individuals and institutions hosting them, which is duly acknowledged,” said Agathe Wehrli, Pharmabridge founder.

A recent survey conducted among pharmacists placed for practice exposure showed that 97% of respondents (n=37) were, overall, satisfied with their practice placement. Examples of how the programme has impacted pharmacy services in developing and transitional countries were presented at the 75th FIP congress in Düsseldorf.

“The knowledge and experience that we have gained at the University of Southern California will be utilised for the advancement of pharmacy practice in our country. At present we are in a much better position to give back to the community,” said Sarath Chandran Chandrashekar, assistant professor at the Academy of Pharmaceutical Sciences, Pariyaram Medical College, Kannur, India, and Dilip Chandrasekharan, professor and head of pharmacy practice department, Alshifa College of Pharmacy, Perinthalmanna, India, both participants in the Pharmabridge programme.
Each year, the FIP Foundation awards a number of congress travel grants, making it possible for selected pharmacists and pharmaceutical scientists to participate at FIP’s World Congress of Pharmacy and Pharmaceutical sciences, share their research and develop leadership skills.

These grants enable participants to develop and/or help others to develop skills and knowledge in line with the objectives of the foundation.

In 2015, 14 grants, ranging between €1,000 and €2,500, were awarded to pharmacists and pharmaceutical scientists worldwide (including Young Pharmacists’ Group grant for professional innovation).

AWARDEES

The FIP Foundation's travel grants allow pharmacists and pharmaceutical scientists, who would be otherwise unable, to attend the FIP congress. Grants are awarded so that the recipients, through the congress, can develop or help others to develop skills and knowledge in line with the foundation's objectives. Thirteen grants were awarded in 2015 to:

- Ms Agbomma Rosary Igbokwe (Nigeria)
- Mr Chiluba Mwila (Zambia)
- Ms Cristina Fernández Barrantes (Costa Rica)
- Ms Yamira Suárez Pères (Cuba)
- Dr Titien Siwi Hartayu (Indonesia)
- Ms Dhanusha Thambavita (Sri Lanka)
- Ms Gulin Amasya (Turkey)
- Ms Basseem Radwan (Turkey)
- Ms Nada Mohammed (Egypt)
- Mr Yasir Shafiq (Pakistan)
- Ms Arianne Aninon (Philippines)
- Dr Gereltuya Dorj (Mongolia)
- Mr Avnil Shiva Narayan (Fiji Islands)
FEEDBACK FROM SOME OF THE AWARDEES

Advancing pharmacy education

My main objective while at the congress was to present and share my research and to obtain feedback. As pharmacy education in Sri Lanka is still at an early stage, I hoped to network, and obtain knowledge to improve pharmacy education as well as meet others who are working on biowaivers. One specific interaction during a tea break with an author developing another biwaiver monograph provided valuable discussion on different aspects of biowaivers and future regulatory considerations on in silico data. Besides presenting my research findings, I also attended several sessions and meetings. In particular, the session on “compounding — a core competence of pharmacist” gave me the courage and the enthusiasm to improve education on compounding, a fading practice in Sri Lanka. I am now encouraging students to take practical classes in compounding using examples from the sessions. I have proposed to my university to improve clinical pharmacy education in Sri Lanka.” — Dhanusha Thambavita, Sri Lanka

Making global connections

“Since 2012 I have been the coordinator of the drug information centre at the social security hospital in San Jose, Costa Rica, where we participate in patient education and integrating medicine based evidence concepts to take decisions regarding medication use in the hospital setting. Also, we participate in research and our areas of interest are pharmacovigilance and pharmacoepidemiology. The theme of the congress “Better practice – Science based, evidence driven” matched with what I do every day in my work. My main objective was to extend basic knowledge in evidence-based medicine, learn about new information resources that can be used in clinical practice and create my own network of professional contacts linked to different sections of pharmacy. The FIP congress allowed me to do just that because it’s not every day that we get an opportunity to learn in an intercultural environment. Also, I thought it would be interesting to meet other grant winners. Perhaps the FIP Foundation can organise short meetings for future grant winners at the congress.” — Cristina Fernandez, Costa Rica

Ensuring the appropriate use of medicines

“Attending the FIP congress in Düsseldorf gave me an opportunity to not only participate in important and fruitful meetings but also to learn and understand different educational methods including accreditation of pharmacy education and advanced methods of biopharmaceutics tools. I attended sessions that were really impressive and well organised. I have obtained as well as improved research knowledge and skills. Currently we have distributed the translated Basel Statements [FIP’s international standards for hospital pharmacy] and organised meetings and workshops to develop further activities on capacity building for pharmacy research, including appropriate use of medicines in Mongolia. It was a great honour and a pleasure to be able to participate in the congress.” — Gereltuya Dorj, Mongolia
Improving pharmacy educational systems

“I am a lecturer at a private university in Indonesia, and social pharmacy is my field of interest. My passion is teaching. One of the sessions I attended at the congress inspired me to propose a new pharmacy curriculum in my country. Currently I am running a study to develop teaching systems to improve the role of pharmacists in delivering communication, information and education regarding oral antidiabetics, antibiotics, and how to be a good field supervisor in teaching pharmacy students during practice. After seeing examples of the education system in Germany, I implemented a new curriculum that will now give students more time to interact with patients. At the congress two students indicated their interest to use methods that I developed in their research studies, this made me more confident to continue my work in improving the role of pharmacists in the health care system.” — Titien Siwi Hartayu, Indonesia

Gaining experience, sharing knowledge and committing to change

As a pharmacist who is interested in academic pharmacy, I knew attending the congress would represent a chance to meet renowned academics and researchers. An idea of latest developments in pharmacy and the challenges that our profession faces in different parts of the world, and how those problems are being tackled, is what I hoped to gain by attending the congress. My experience exceeded my expectations. A number of sessions stood out for me, among them the presentation on how the profession of pharmacy can make use of social media to enhance service delivery in communities, something that can easily be implemented in most parts of the world, including developing countries, considering the advancement in technology. I will definitely share the knowledge I gained with my colleagues in my country, as not doing so would be a disservice to the profession of pharmacy. Indeed I am committed to change.”

— Chiluba Mwila, Zambia

TON HOEK SCHOLARSHIP FOR GLOBAL LEADERSHIP

The FIP Foundation awards a scholarship to assist young pharmacists or pharmaceutical scientists in travelling to the FIP congress. The objective of the Ton Hoek Scholarship for Global Leadership is to permit the recipient to travel to the FIP congress in order to develop, or to help others to develop, skills and/or knowledge in line with the objectives of the foundation.

This award is named after FIP’s former chief executive officer Ton Hoek (1955-2012)

“Being a pharmacist in a country where pharmacists are fighting for their professional recognition, I learnt many things from this congress to promote the role of pharmacists in developing countries like Nepal. I believe gaining knowledge is not enough. I think you need people who support you and your activities. I am happy to have made many friends and expanded my professional network during these social events. Today I feel I am part of a network.” — Anup Luitel, Nepal
YOUNG PHARMACISTS' GROUP GRANT FOR PROFESSIONAL INNOVATION

Each year the FIP Foundation, together with the FIP Young Pharmacists’ Group, awards a grant of €1,000 to encourage innovation in pharmacy by a young pharmacist or pharmaceutical scientist who have limited resources for professional organisation involvement for their own research. The grant supports the implementation of the awardee’s project. These projects can stem from any field of pharmacy but should directly or indirectly benefit or improve health of communities and demonstrate the added value of pharmacy to health.

GRANT RECIPIENT 2014

The recipient of the 2014 Grant for Professional Innovation was Ms Vivien Tong from Australia. Her proposed project was to investigate labelling of over-the-counter (OTC) medicines. Ms Tong presented her work at the 2015 FIP congress in Düsseldorf, Germany.

“This study forms part of a broader international collaborative project in OTC labelling improvement and standardisation. It aimed to develop and test alternative OTC medicine label formats, which could be considered for use in the standardisation of OTC labelling within a global context. Findings from an initial consumer needs analysis were evaluated by an international expert panel and used, alongside good information design and plain English, to inform the development of four label formats for the exemplar study medicine diclofenac. Our study found that while perspectives on the label formats varied considerably, all label formats performed well overall when people’s ability to find and understand key points of information were examined. Therefore, these label formats can be considered for use in standardising OTC labels. As this project allowed members of the public to contribute to the design and evaluation of alternative label formats, these findings will be useful for policymakers to consider in the process of updating OTC labelling policy for the benefit of medicine users.” — Vivien Tong, Australia

GRANT RECIPIENT 2015

The YPG grant recipient of 2015 is Mr Arcelio Benetoli. His proposed research aims to explore how pharmacists use (or can use) social media in a professional capacity, particularly for patient care, and how patients use social media for health purposes.

“This research will provide an important knowledge foundation in this topic. Understanding how pharmacists use social media in a professional capacity can further support use by innovative practitioners and health care providers. Additionally, knowing patients’ use, opinions and preferences can also help the development of new online services,” he said.

Mr Benetoli will present his research at the 2016 FIP congress in Buenos Aires, Argentina.
## FINANCES

**Balance sheet as at 31 December 2015 – After appropriation of the result for 2015 (Expressed in EUR)**

### CURRENT ASSETS

<table>
<thead>
<tr>
<th>Description</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current account FIP Foundation</td>
<td>-</td>
<td>120,879</td>
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<tr>
<td>Prepayments and accrued income</td>
<td>3,980</td>
<td>3,532</td>
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<tr>
<td>Cash and bank</td>
<td>428,208</td>
<td>409,880</td>
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**TOTAL ASSETS**

| Total                        | 430,188| 534,291|

### CAPITAL AND RESERVES AND LIABILITIES

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<tr>
<th>Description</th>
<th>2015</th>
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<tr>
<td>Capital and reserves</td>
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<tr>
<td>Allocated funds for future projects</td>
<td>212,662</td>
<td>244,778</td>
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</table>

**TOTAL CURRENT LIABILITIES**

| Total                        | 19,173 | 25,658 |

### TOTAL CAPITAL AND RESERVES AND LIABILITIES

| Total                        | 430,188| 534,291|

## STATEMENT OF INCOME AND EXPENDITURE FOR 2015

(Expressed in EUR)

### INCOME

<table>
<thead>
<tr>
<th>Description</th>
<th>2015</th>
<th>2014</th>
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</thead>
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<tr>
<td>Donations</td>
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<td>Development grant FIP</td>
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**TOTAL INCOME**

| Total            | 16,778 | 29,575 |

### EXPENSES

<table>
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<tr>
<th>Description</th>
<th>2015</th>
<th>2014</th>
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</thead>
<tbody>
<tr>
<td>Grants</td>
<td>64,961</td>
<td>44,498</td>
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<tr>
<td>Operational costs</td>
<td>75,130</td>
<td>7,241</td>
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</tbody>
</table>

**TOTAL EXPENSES**

| Total              | 140,091| 51,741 |

### OPERATING RESULT

| Total              | (123,313)| (22,064)|

### FINANCIAL RESULT

| Total              | 2,602   | 3,624  |

**NET RESULT BEFORE APPROPRIATION**

| Total              | (120,711)| (18,440)|

### Appropriation of the result, (from)/to:

<table>
<thead>
<tr>
<th>Description</th>
<th>2015</th>
<th>2014</th>
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<tbody>
<tr>
<td>Allocated funds</td>
<td>(32,116)</td>
<td>(28,033)</td>
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<tr>
<td>FIP Foundation for Education and Research Capital</td>
<td>(88,595)</td>
<td>9,593</td>
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</table>

**TOTAL APPROPRIATED**

| Total              | (120,711)| (18,440)|
The FIP Foundation for Education and Research was established in 1993 with the objective of promoting the educational and research ventures of pharmacists and pharmaceutical scientists within the general fields of design, manufacture, distribution and use of medicines for humans or animals, or both.

DIRECTORS OF THE FIP FOUNDATION IN 2015 WERE:
Mr Thony Björk (Sweden) – Chairman
Mrs Carola van der Hoeff (Netherlands) – Executive Director
Prof. Giovanni Pauletti (USA)
Ms Ema Paulino (Portugal)
Mr Regis Vaillancourt (Canada)
Mr. John Ware (Australia)
Mr. Nobuo Yamamoto (Japan)
Prof. Kenneth B. Roberts (USA)

WAYS TO DONATE
The FIP Foundation has its own website (www.fipfoundation.org) so that people can find out more about the important projects we support and make direct donations. Donations and sponsorship are essential to our work and the foundation has expanded the ways in which donations can be made to include an online form (up to €1,000) and PayPal, in addition to bank transfers and cheques. In addition, if you would like to donate gifts for future FIP congress raffles, please contact foundation@fip.org.

It is thanks to the generosity of our donors that we can continue helping to develop the pharmacy profession.
FIP Foundation for Education and Research
Andries Bickerweg 5
2517 JP The Hague
The Netherlands

Email: foundation@fip.org
To make a donation, or to find out more about the foundation, please visit: www.fipfoundation.org