

PHAR-QA

by PHARMINE

Quality Assurance in European Pharmacy Education and Training.

The Newsletter

December, 2014



Lifelong
Learning
Programme

PHAR-QA Quality Assurance in European Pharmacy Education and Training.

The PHAR-QA newsletter

December, 2014.

<http://www.phar-qa.eu/>

Quality Assurance in European Pharmacy Education and Training: the PHAR-QA project

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With the support of the Lifelong Learning programme of the European Union: 527194-LLP-1-2012-1-BE-ERASMUS-EMCR
This project has been funded with support from the European Commission. This publication reflects the views only of the author.
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Obituary Peep Veski



Professor Peep Veski (1950-2014)

In October 1, 2014 we received the unexpected message of sorrow that our beloved colleague and the Head of Department of Pharmacy, Professor Peep Veski, had passed away.

Peep Veski was born in January 10, 1950 in Kohtla-Nõmme, Estonia. He received his MSc (Pharm) degree in the Semmelweis's University Hungary in 1975 and BSc degree in Biology in the Science Academy of Hungary in 1980. Later in 1994, he received his PhD (Pharm) degree from the University of Helsinki, Finland for his work on the use of hard gelatin capsules and sodium alginates in per-oral prolonged-release formulations. This was a start for his long-term and successful international research work collaborations and contacts in the fields of Pharmaceutical technology and Biopharmaceutics.

After working as Teaching Assistant and Senior lecturer from 1980 to 1986 at the University of Tartu, he became Docent in 1986. From 1998 to date, Prof. Peep Veski held the Chair in Pharmaceutical technology and Biopharmacy and acted as the Head of the Department of Pharmacy at the University of Tartu. Moreover, he acted as a Vice-Dean of the Faculty of Medicine, University of Tartu from 1998-2002.

The main areas of research interests of Peep Veski were the design and formulation research of oral solid dosage forms, in vitro-in vivo correlation, modified-release drug products, biopharmaceutical quality of drug products, physical solid-state characterisation of drug substances, functional related properties of excipients, chrono-biopharmaceutics and pharmaceutical nanotechnology. Peep Veski was author or co-author in over 150 scientific articles and conference abstracts, and he supervised total 10 MSc and PhD research works.

As a teacher, Peep Veski was very committed and beloved. He paid very much attention to the professional development of M.Sc. (Pharm) students and graduated pharmacists. His lectures in Pharmaceutical technology and Biopharmacy were always very high standard and up-to-date. It should be also mentioned that the European-level harmonization of the curriculum of the academic studies in pharmacy was very close to him, and he had a remarkable input in implementation of this harmonisation process.

Peep Veski was awarded with numerous academic premia and prizes. In 2003, he was nominated as the Correspondent Member of the Royal Pharmaceutical Academy of Spain, in 2006 as a Honorary Member of Pharmaceutical Society of Hungary and in 2013 as a Honorary Doctor of the University of Semmelweis, Hungary. Moreover, he received the Award of the European Federation of Pharmaceutical Industries and Associations, the medals of Complutense University (Spain) and University of Tartu (Estonia), and the Premium of the Estonian Academic Society of Pharmacy (EASP).

His activity in different national and international science and professional organisations was remarkable. Peep Veski was the member of the European Federation for Pharmaceutical Sciences (EUFEPS) and the active member of several working groups of EUFEPS. He was also the member of the Executive Committee of the European Association of Faculties of Pharmacy (EAFP) and representative of the University of Tartu in the European pharmacy education projects PHARMINE and PHAR-QA. He served for many years as a scientific expert in the European Pharmacopoeia G12 (Galenic Products) Expert Committee and in the European Medicines Agency (EMA). He acted as a chairman and member of the organizing committee of the several scientific meetings including the Conference of the European Association of Faculties of Pharmacy (EAFP), Tartu, Estonia (2006), the 2nd Balaton-Baltic-Bled-Bosporus (BBBB) Conference on Pharmaceutical Sciences”, Tartu, Estonia (2007), and the 2nd Pharmaceutical Sciences Fair and Exhibition (PharmSciFair), Nice, France (2009). He was a member of the Editorial Board of the journals “*Ars Pharmaceutica*”, “Euro Pharma Faculties News” and “PHAR-QA Newsletter”. Peep Veski was a founding member and a long-term President of the Estonian Academic Society of Pharmacy (EASP). Moreover, he served as a member of the Pharmaceutical Terminology Committee in Estonia. He published numerous articles on pharmaceutical education in Estonia and kept numerous corresponding lectures and seminars in the meetings of professional organizations.

Peep Veski will remain always in our memories and hearts as a beloved colleague and friend, great teacher and highly respected head of the department.

On behalf of the colleagues

Prof. Jyrki Heinämäki, Dep. of Pharmacy, University of Tartu

UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia (www.uni-lj.si)

The University of Ljubljana (hereinafter: *UL*) has the longest tradition in university education and the highest number of students in the Republic of Slovenia. The *UL* is an institution with a strong international profile, innovative and reform oriented. It was established in 1919 with five faculties; today it consists of 3 art academies and 23 faculties (hereinafter: *UL* Members) with 45.607 students and 5.920 higher education teachers, researchers, assistants and administrative staff (in the academic year 2013/2014). The *UL* is an integrated university, covering all the ISCED and FRASCATTI disciplines and therefore diverse in individual interests and goals, connected to these. The *UL* implements higher education activities based on research in all fields of science and art, such as humanistic, social sciences, medicine, natural sciences, technology and engineering, and art. By the end of 2008, the *UL* had reformed all the first cycle degree study programmes. In addition to the reformed study programmes, the *UL* Members implemented a number of new programmes, which were created as a result of the environmental needs and new scientific knowledge. The *UL* system of management provides discussion platforms and decision structures for top-down as well as bottom-up initiatives. The *UL* is governed by the Rector, the *UL* Senate and the *UL* Governing Board, both as collective decision making bodies that include internal partners and the students; the Governing Board includes also the representatives of the external partners, the Ministry of higher education and the employers' representatives.



Being fully aware of its mission of fruitful interaction with the environment and the society at large, the UL is increasingly developing various forms of additional and new market oriented activities. The UL has close ties with the Slovenian economic and services sectors as well as with the broader international environment. The UL cooperates with multinational enterprises and the most successful Slovenian companies. The university seat, all three academies and most of the other UL Members are located in the central city of Ljubljana area, some of the most recent and modern buildings are located in the

outskirts of Ljubljana, giving the university and its students a ubiquitous presence in the city. The UL is listed amongst the TOP 500 universities in the world according to the ARWU Shanghai, Times THES-QS and WEBOMETRICS rankings.

University of Ljubljana Strategy 2012-2020

The UL strategic priorities:

1. Creating knowledge and art for sustainable social and individual development
2. Education (knowledge transfer) of socially responsible graduates
3. Use of knowledge - third dimension of the university
4. Creative environment for work and study
5. Internationalization for international transfer of knowledge and recognition
6. Quality for excellence in all activity areas

FACULTY OF PHARMACY, University of Ljubljana
(www.ffa.uni-lj.si)

The University of Ljubljana - Faculty of Pharmacy (hereinafter: *ULFFA*) started as the Section of Pharmacy at the Department of Chemistry, Faculty of Natural Sciences, Mathematics and Philosophy in 1955, it was then reorganized into the Department of Pharmacy at the Faculty of Chemistry in 1958, then moved to the Faculty of Natural Sciences and Technology in 1991 and became the Faculty of Pharmacy in 1995. It



became a member of the European Association of Faculties of Pharmacy (EAFP) in 1992. Today, the *ULFFA* is a full Member of the *UL*. *ULFFA* is one of its medium sized Members with about 1.500 students (3.29% of all students at the *UL*) and 150 employees (2.53% of all the employees at the *UL*) with 5.784 m² of own facilities surface and 960 m² on rent. The *ULFFA* is the leading higher educational institution in pharmacy, clinical biochemistry, and cosmetology in the Republic of Slovenia with a well-established international reputation. As a Member of the *UL*, the *ULFFA* builds its reputation, integrity, and development on excellence, efficiency and ethical stance of the students and teachers.

The *ULFFA* mission is built on joint institutional and personal missions, reflecting the role and responsibility of the *ULFFA* and is focused on the following objectives:

1. To develop, design and implement higher education at all three degree cycles for the students, to empower and train the staff for their scientific research, developmental and professional tasks and responsibilities in the wider scope of pharmacy and laboratory medicine.
2. To design and perform scientific and research-based activities in the wider scope of pharmacy, clinical biomedicine and broader natural science fields in cooperation with scientific institutions at home and abroad.
3. To ensure the functioning of professional activities in the field of health and healthcare services in the framework of the pharmaceutical and laboratory activities, to perform professional and developmental work for the requirements of the pharmaceutical and cosmetic industry, governmental institutions and the promotion of the pharmaceutical industry in the Republic of Slovenia and abroad.



4. To train and educate qualified experts and leaders for work in a globally competitive environment in pharmacy, clinical biochemistry, and cosmetology by combining advanced research approaches and innovative educational tools while creating and disseminating knowledge in a global society for the purpose of human well-being and healthy ageing.

The *ULFFA* vision is to contribute to shaping the future and at the same time remain a globally open academic educational and research institution, responsive and

responsible and fully recognized amongst the European faculties of pharmacy for its creative and outspreading scientific knowledge to promote welfare of the Slovenian citizens, general development, and in this way strengthening the national identity. The *ULFFA* vision is to grow from a regional leader to a more European-wide recognized faculty of pharmacy, clinical biochemistry and cosmetology and to be ranked among the TOP 20 pharmacy faculties in Europe by 2020.

***ULFFA* core values:**

1. Knowledge
2. Academic Freedom
3. Innovativeness
4. Responsibility
5. Flexibility
6. Cooperation

***ULFFA* programmes and students**

1. Uniform master programme of Pharmacy 300 ECTS (novice enrolment 135 - 150/year)
2. 1st cycle university programme of Cosmetology 180 ECTS (novice enrolment 40/year)
3. 1st cycle university programme of Laboratory Medicine 180 ECTS (novice enrolment 40/yr)
4. 2nd cycle master programme of Laboratory Medicine 120 ECTS (novice enrolment 30/yr)
5. 2nd cycle master programme of Industrial Pharmacy 120 ECTS (novice enrolment 30/yr)
6. 3rd cycle doctoral programme Biomedicine 180 ECTS, 3 fields: Pharmacy, Clinical Biochemistry and Laboratory Medicine, and Toxicology



All programmes at the *ULFFA* are accredited at the Slovenian Quality Assurance Agency for Higher Education. Every year, about 80-100 students from *ULFFA* participate in student exchange programmes and similar number of students visits *ULFFA* from foreign faculties/universities.

ULFFA is involved in specialist training in fields of Medicinals design, Medicinals testing, Clinical pharmacy, Pharmacognosy, Community pharmacy (in collaboration with Slovenian Chamber of Pharmacy), Clinical chemistry (in collaboration with Slovenian Chamber of Laboratory Medicine) and Radiopharmacy (in collaboration with ETH Zurich).

***ULFFA* developmental strategy – better innovation and excellence**

The *ULFFA* is ranked among the top *UL* Members regarding the expressed interest and motivation of potential new and continuing students, which results in high progression rates (75%-95%), as well as in the time, needed for completing the study and the competences required. The *ULFFA* is successful in research: the ratio of income from education and research is

60,7%: 39,3% (including the Slovenian Research Agency - ARRS, the EU, and the market funds, excluding the funds for education which is spent for research). The *ULFFA* graduates are employable in socially relevant and economically strategic areas and represent an important intellectual developmental potential for overcoming the crisis in economic and public service sectors. The extended markets of the pharmaceutical industry are important for Slovenia in all four branches (research and development, production, analyses and quality assurance, marketing and retail) and from different points of view: number of production jobs and workplaces (existing and new), attached services and employments, allocated funds which provide for the national budget through taxes. Last but not least, the importance of pharmaceutical broad application contributes to competitiveness, which represents a significant parameter in the country's credit risk assessment and management. The public sector is often referred to as the spender, yet the costs can also be regarded as an investment: the pharmacists in pharmacies and hospitals with their cognitive services can directly contribute to the reduction of costs and to safe and efficient use of medicines, providing the organization of pharmacies and clinical pharmacy create a suitable environment of using these services. At the same time, the effects can be long-term due to reduction of iatrogenic complications (both meaning reduction of health costs). Providing the organization of medicinal laboratories create possibilities of preventive examinations, laboratory medicine experts can contribute to reduction of health costs linked to some chronic diseases, consequences of unhealthy life-styles. Early diagnostics creates possibilities of early treatment and consequently lower costs of sick-leaves or invalidity. This situation, together with the longevity, also influences future design of health care (laboratory) network and employment. Both policies – economic and public-health policy – require long-term planning in education. The impact of the global changes on national and international economy, industry, and society, including education and health (both of them in the domain of the *ULFFA*), require basic self-reflections and new plans. In 2014, *ULFFA* has been verified its work with external institutional evaluation by accreditation association ASIIN as a basis for future improvements.

In the direct environment in which the *ULFFA* operates, there are two options detected: one is the cooperation and acceptance/development of joint research strategy, the other is development of education and services to the level of international excellence and success.

ULFFA is according to its mission and vision an active member of local, regional and international community.

The Dean of the Pharmacy Faculty, Ljubljana, Slovenia: Professor Borut Bozic



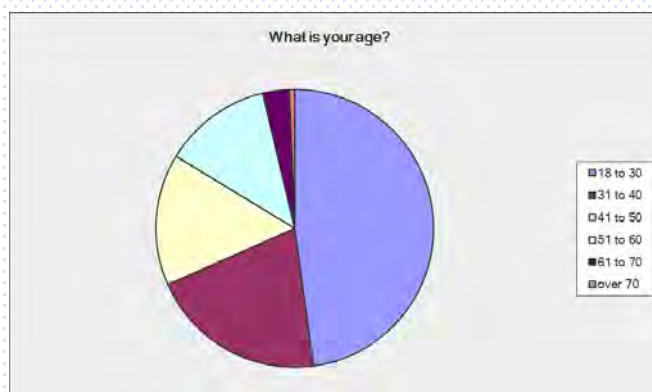
The PHAR-QA survey on competences for pharmacists in Europe.

The PHAR-QA consortium is producing a framework of competences for pharmacy practice. This PHAR-QA competence framework is in line with the EU directive on the sectoral profession of pharmacy. It also takes into account the diversity of the pharmacy profession and the on-going changes in European healthcare systems and in the pharmaceutical industry - with an increasingly important role for pharmacists. The bottom line is patient safety. This is the primordial preoccupation of the pharmacist - be it in everyday practice in community or hospital pharmacies, or in industry ensuring the research, development and production of efficient and safe medicines. The ultimate stakeholder of the PHAR-QA project is the European citizen.

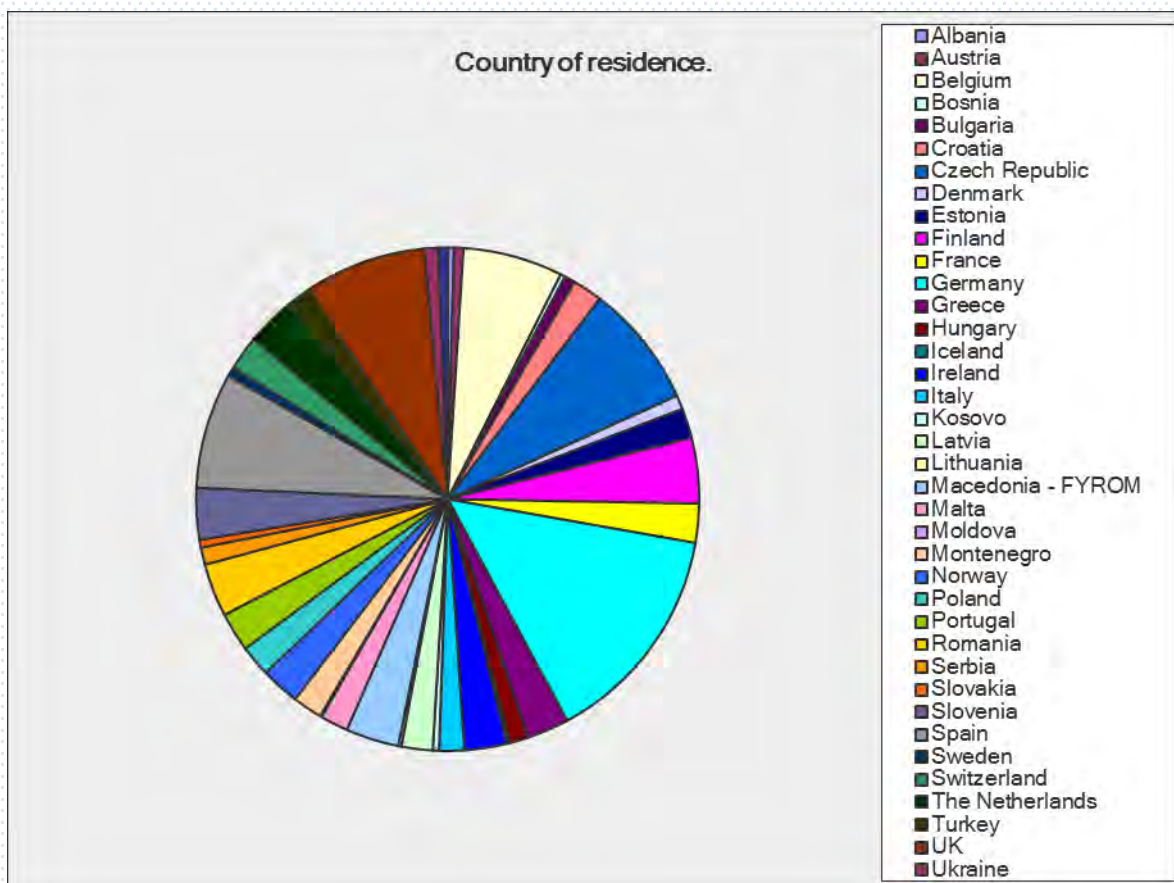
PHAR-QA involves a consortium of universities at the forefront of educational research and development in pharmacy. The project is co-ordinated by the Vrije Universiteit Brussel and Pharmacolor Consultants, Nancy, France with the participation of the University of Granada, Spain, the National and Kapodistrian University of Athens, Greece, the University of Tartu, Estonia, the University of Helsinki, Finland, the University of Ljubljana, Slovenia, the Jagiellonian University of Cracow, Poland, and the Medical and Pharmaceutical University Carol Davila of Bucharest, Romania. PHAR-QA works in close collaboration with the European Association of Faculties of Pharmacy (<http://eafponline.eu/>) and other European organisations. It has an international advisory board with experts in QA in pharmacy education from the USA, UK, and Spain.

PHAR-QA is running a survey on the evaluation by the European pharmacy community of a framework of competences for pharmacy practice. The project outcomes will be used by pharmacy faculties in Europe, education and healthcare sectors of national governments, EU directorate-generals and professional organizations and chambers. Information will also be provided to non-European countries wishing to implement the European model developed by PHAR-QA.

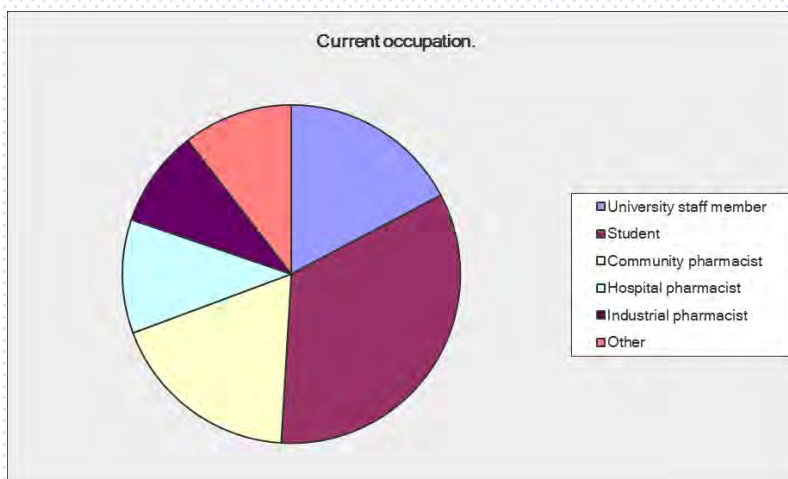
The first round of the survey closed on the 31st October 2014 with over 1,600 correspondents filling in the questionnaire. Pharmacy students were the most involved with 48% of responses coming from students.



Responses were obtained from 39 countries with the highest response rates from Germany and the UK.



The highest rates of responses – besides those of students – were from community pharmacists and academics.



The data are now being analysed and preliminary results will be presented at the M29 PHAR-QA meeting,

PHAR-QA M29 meeting
Brussels, 23 & 24/2/2015

The PHAR-QA M29 exceptional intermediate meeting will be held in Brussels on February 23-24, 2015.

Programme:

23.02.2015	16.00-19.30	Results and conclusions of the first round of the PHAR-QA survey Development of second network survey	Consortium
24.02.15	9.00-10.30	Developments in WP5 EXP and possible replacement, fall-back positions	P8, A. Koster and consortium
	10.30-12.00	Preparation for M32 Athens meeting with EAFP	P4 and consortium
	12.00-12.30	General discussion	
	12.30	End of meeting	

Participants:

P1	K. De Paepe, L. Noel, S. Hou VUB
P2	J. Atkinson, pcn
P3	A. Sanchez-Pozo, Granada
P4	D. Rekkas, Athens
P5	D. Volmer, Tartu
P6	J. Hirvonen, Finland
P7	B. Bozic, Ljubljana
P8	A. Skowron & S. Polak, Cracow
P9	C. Mircioui & C. Rais, Bucharest
P10	EAFP: A. Koster, A. Marcincal
Advisory board	C. Van Schravendijk, VUB
EACEA	S. Nassar



EAFP EUROPEAN ASSOCIATION OF FACULTIES OF PHARMACY



HELLENIC REPUBLIC
National and Kapodistrian
University of Athens

Faculty of Pharmacy

21st EAFP Annual Conference

14-16/05/2015

University of Athens
Greece



Quality Assurance
in Pharmacy Education

Acropolis museum

<http://eafponline.eu/conferences/athens2015/>

ACQUISITION OF PHARMACEUTICAL SKILLS:
Simulation, Serious Games, Innovative Approaches

ESCP INTERNATIONAL WORKSHOP 2015

22 – 23 JUNE 2015, NICE, FRANCE

JUNE 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

SAVE
THE DATE



ESCP – European Society of Clinical Pharmacy &
SFPC – Société Française de Pharmacie Clinique

invites you to join the
International Workshop 2015 in Nice!



Important Dates & Deadlines

Abstract submission opening: December 15, 2014;
Abstract submission deadline: March 10, 2015;
Registration opening: December 15, 2014;
Early bird registration deadline: 5 March, 2015;
Early bird registration deadline for accepted abstract submitters: April 30, 2015.
The number of participants will be limited to 150.

Only abstracts related to the theme will be considered for review.

Further information:

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Workshop President
Olivier Bourdon (FR)



ESCP President
Siska Desplenter (BE)

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