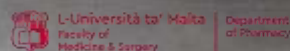


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# Steve Hudson Memorial Lecture

**Lilian M. Azzopardi**

Professor and Head, Department of Pharmacy,  
Faculty of Medicine and Surgery, University of Malta  
President, European Association of Faculties of Pharmacy



**ESCP Fellow, 2009**



22 November 1963



8 December 1980



31 August 1997

**STEVE HUDSON**

29 April 1952 - 21 November 2010





**The Pharmacist, the Soul and the Vision:  
Transforming Clinical Pharmacy  
Education and Practice**

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## Pharmacist

*the*  
**PHARMACEUTICAL JOURNAL**  
*A Royal Pharmaceutical Society publication*

**UKCPA: a quarter century of focus**

[PJ pharmaceutical-journal.com/opinion/comment/ukcpa-a-quarter-century-of-focus/10002637.article](http://pharmaceutical-journal.com/opinion/comment/ukcpa-a-quarter-century-of-focus/10002637.article)

The Pharmaceutical Journal 18 NOV  
2006

**Registered 1974**

**Leicester**

**UKCPA- Inaugural meeting in 1981**

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## My journey as a pharmacist



7



1994

Department of Pharmacy,  
University of Malta  
Annual Pharmacy Symposium



Innovation 8



Pharmacist  
Soul  
Vision

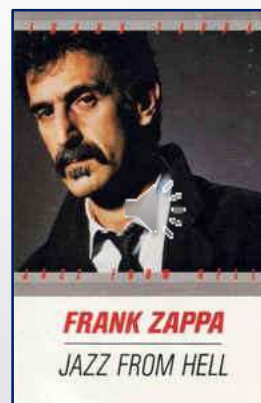
### Creativity-driven focused mentality



## Soul

**Line Up 2006**  
**Malta Jazz Festival 2006**

Australian Pink Floyd  
 Tribal  
 The Wallers  
 Nina Ferro  
 Chasing Pandora  
 PP Arnold  
 Dr Robert  
 Ivan Filletti  
 Zucchero

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## Vision

**Scenario analysis of the future of clinical pharmacy**

• Hubert Leufkens, Yechiel Hakker and Steve Hudson

**Introduction**

Since the foundation of the European Society of Clinical Pharmacy (ESCP) in 1979, there has been a continuous debate about the objectives, role and added value to patient care of clinical pharmacists. In 1983, ESCP compiled an education document with requirements and standards for the expertise and skills of clinical pharmacists [1]. In the same year, the Federation Internationale Pharmaceutique (FIP) published the proceedings of the symposium on the 'Roles and Responsibilities of the Pharmacists in Primary Health Care' in Copenhagen, from which ensued challenging conclusions on the clinical roles of community pharmacists [2]. Since then, the World Health Organisation, the Nuffield Foundation and many other institutions have recognised and championed pharmacists as essential health care providers [3-4].

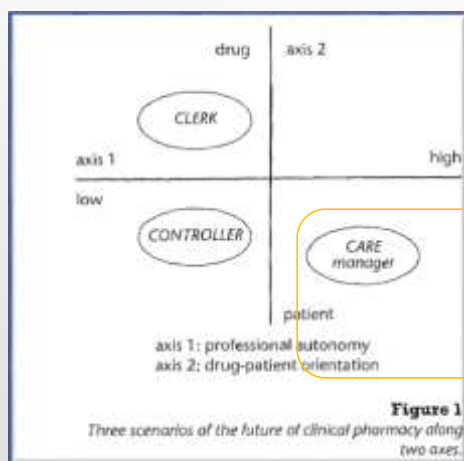
In 1992, ESCP reinforced this position in its publication 'The Future of Clinical Pharmacy in Europe' [5]. These published statements reflect the rapidly changing role of pharmacists in the health care system. This change is almost universal among different countries and is related to developments in medical technology, health economics, informatics, socioeconomics, and professional relations. [5-7]. The autonomy of

**1997**

Hubert Leufkens, Yechiel Hakker and Steve Hudson. Scenario analysis of the future of clinical pharmacy. Pharm World Sci 1997; 19(4): 162-165.  
 © 1997 Elsevier Academic Publishers. Printed in the Netherlands.

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## Education: Patient-focus



- Patient first
- Proactivity
- Partnership

Leufkens H, Hekster Y, Hudson S. Scenario analysis of the future of clinical pharmacy. *Pharm World Sci* 1997; 19(4): 182-185.

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## Achieving Transformation: Disruptive Thinking

“The obligation of those in positions of power and privilege is to shape our policies to **extend the opportunities** that will come with the industries of the future to as many people as possible”



Ross A. *The industries of the future*. Simon & Schuster: London. 2016.

14



ESCP News • May 2006 • Bedside Teaching • ESN 1153-3407

## Bedside teaching

### The Evolution of the ESCP Educational Course in Patient Centred Teaching

**T**he 6<sup>th</sup> ESCP Educational Course will be held in collaboration with the department of pharmacy of the University of Malta and the University of Strathclyde, UK in Malta, from 19 to 21 July 2006. *ESCP News* goes back over the history of the Course.



Members from the ESCP Educational Course, Malta, April 2003

**A historical overview**  
ESCP is committed to providing ongoing professional education for clinical pharmacy practitioners. In addition to its symposia and conferences, ESCP organises residential courses such as in the area of clinical pharmacy and patient centred teaching.

In 1995, ten participants from six different countries participated in a five-day clinical pharmacy teachers course that was held in Glasgow. The

The Netherlands, Norway, Portugal, Serbia, Slovenia, Sweden, Turkey, United Arab Emirates, United Kingdom, and United States of America. Last year the course was held as a pre-conference activity to the Annual Conference of the European Association of Faculties of Pharmacy (EAFP) which was held in Malta.

**A new feature**  
This year, the 6<sup>th</sup> ESCP Educational Course in Patient Centred Teaching will be presenting a new feature in that a clinical specialty is being

university-based pharmacists. The skills acquired during the course are transferable from rheumatoid arthritis to other clinical specialties.

**International and multidisciplinary approach**  
The lead tutor, Professor Steve Hudson from the University of Strathclyde has organised the course in collaboration with the Department of Pharmacy of the Faculty of Medicine and Surgery at the University of Malta. The tutors for the course include local Maltese tutors, tutors from different countries and

**Innovative teaching models**

**Partnerships in Education  
Science and Practice**

**ESCP**  
**5<sup>th</sup> Course in  
Clinical Pharmacy**

*pre-conference activity*  
**EAFP 2005 Annual Conference**

**EAFP** EUROPEAN ASSOCIATION OF FACULTIES OF PHARMACY

**ESCP**  
European Society of Clinical Pharmacy

The European Society of Clinical Pharmacy,  
ESCP Education and Training

In association with:  
The University of Malta, Department of Pharmacy  
The University of Strathclyde, UK

**4<sup>th</sup> COURSE IN CLINICAL PHARMACY  
FOR CLINICAL PHARMACISTS AND CLINICAL TEACHERS**

12-16 July 2006

**VENUE**  
St Luke's General Hospital and Medical School,  
Faculty of Medicine and Surgery  
MALTA

**Innovative teaching models**

**Over 100 pharmacists from 20 countries**





**“Workshops brought a great sense of fun into learning but they also served to select good teachers.”**

Steve Hudson

UKCPA: A quarter century focus. Pharmaceutical Journal 2006; 18 November

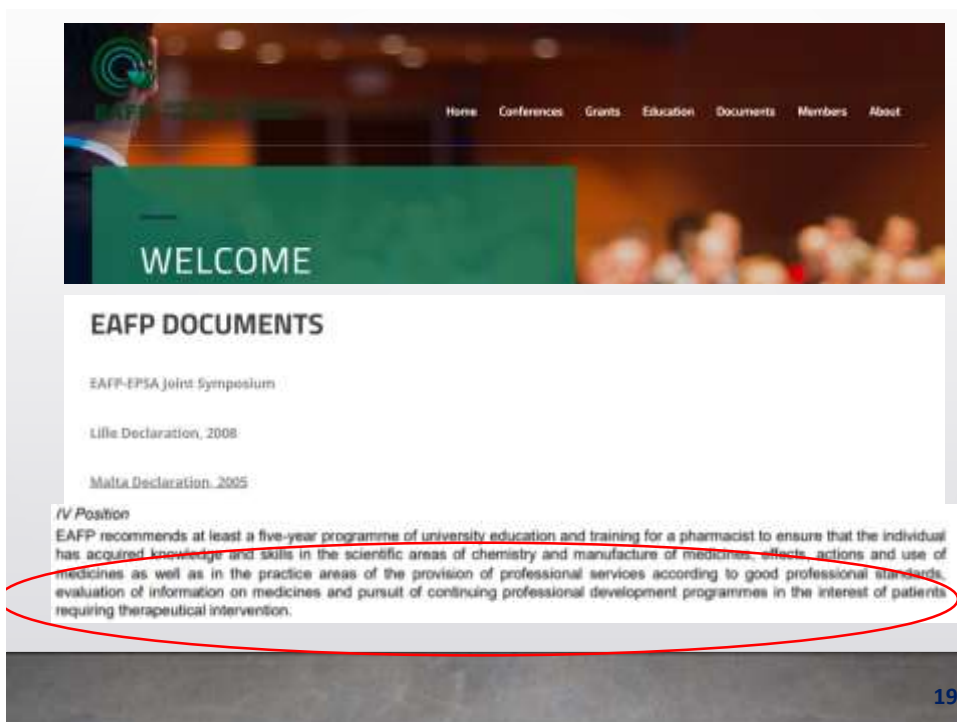
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## Pharmacy Education in Europe

**Patient-Centred Curricula**



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Home Conferences Grants Education Documents Members About

## WELCOME

### EAAP DOCUMENTS

- EAAP-EP5A Joint Symposium
- Lille Declaration, 2008
- Malta Declaration, 2005
- IV Position**

EAAP recommends at least a five-year programme of university education and training for a pharmacist to ensure that the individual has acquired knowledge and skills in the scientific areas of chemistry and manufacture of medicines, effects, actions and use of medicines as well as in the practice areas of the provision of professional services according to good professional standards, evaluation of information on medicines and pursuit of continuing professional development programmes in the interest of patients requiring therapeutical intervention.

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## Pharmacy Education

**Transformation**

**Education**

**Supports evolvment**

**Research**

**Drives innovation**

**Relevance**

**Meets social responsibility**



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*American Journal of Pharmaceutical Education* 2016; 80 (5) Article 83.

## RESEARCH

### A Comparison of Patient-Centered Care in Pharmacy Curricula in the United States and Europe

Ines Nunes-da-Cunha, MSc, PharmD,<sup>a</sup> Blanca Arguello, PhD, PharmD,<sup>b,c</sup>

Fernando Martinez Martinez, PhD, PharmD,<sup>a</sup> Fernando Fernandez-Llamos, PhD, PharmD, MBA<sup>b,c</sup>

<sup>a</sup> University of Granada, Granada, Spain

<sup>b</sup> University of Lisboa, Lisbon, Portugal

<sup>c</sup> Institute for Medicines Research, Lisbon, Portugal

Submitted April 23, 2015; accepted August 27, 2015; published June 25, 2016.

**Objective.** To compare United States and European Higher Education Area (EHEA) undergraduate pharmacy curricula in terms of patient-centered care courses.

The curriculum with the highest mean percentage of clinical sciences was that of the United States at 16.7% followed by Malta at 12.3%

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## Motivating for lifelong learning

Advanced  
Practice

- Learn how to innovate
- Opportunities for further studies

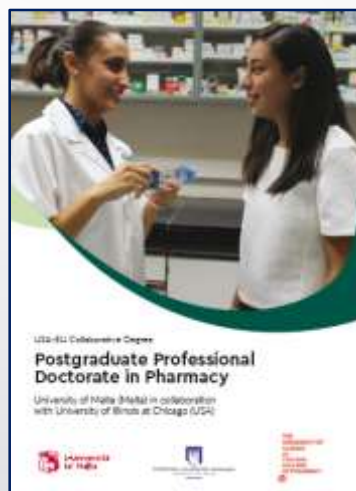
**Doctor of Philosophy**

**Professional Doctorate**

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## Professional doctorate

- Advanced practitioners
- Optimise people-focus
- Professional innovation
- Leadership



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## Pharmacist Manpower Development

- Faculty
- Advanced Practitioners
- Experiential sites



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## International Transformation



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## Research: Driving innovation

**International Journal of Clinical Pharmacy**  
December 2013, Volume 33, Issue 4, pp 1943-1974 | [View Article](#)

**Medication assessment tool to detect care issues from routine data: a pilot study in primary care**

Authors: [Steve Hudson](#), [Theresa Linnear](#)

Authors and affiliations: [Steve Hudson, Theresa Linnear](#)

**Pharmacy World and Science**  
December 2008, 18(12) | [View Article](#)

**Design and validation of a medication assessment tool for cancer pain management**

Authors: [Steve Hudson](#), [Theresa Linnear](#)

Go! [Delivering Medication](#) [Steve Hudson, Theresa Linnear](#)

Original Paper  
First Online: 21 November 2008

184 14  
Downloads Downloads

28

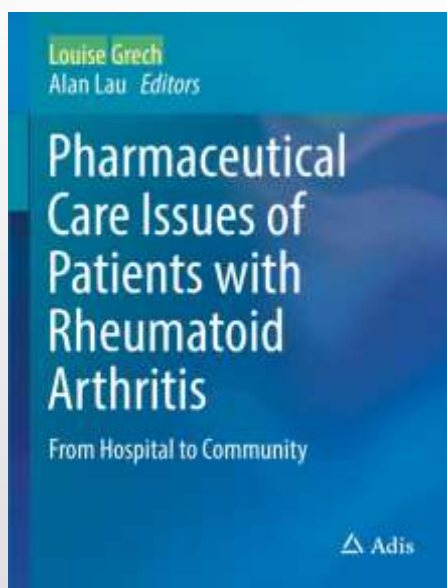


## Individualisation of drug therapy



Identify gaps within patients' pharmacotherapy through evidence-based guidelines

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**Improvement of appropriateness of drug therapy and pharmacist intervention documentation in older patients**

31



**Pharmacogenetics to inform personalised medicine**

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## Point-of-Care Testing



International Journal of Clinical Pharmacy  
April 2016, Volume 36, Issue 2, pp 419-428 | DOI: 10.1007/s00090-016-0155-5

Comparison of a rapid point-of-care and two laboratory-based *CYP2C19*\*2 genotyping assays for personalisation of antiplatelet therapy

Authors Authors and Affiliations

Francesca With ; Giuseppa Zahra, Robert S. Keady, Christopher Barbera, Albert Peruch, Lilian M. Azzopardi

Point-of-Care assay is accurate and reliable, provides rapid results, can process single samples, is portable and operator-friendly

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### Point-of-Care Testing for Urine Analysis and Microalbuminuria for Diabetic Patient Management

Jingaro, Shaun BSc Pharmaceutical Sciences (Hons), MPharm; With: Francesca BPharm (Hons), MPhil, Azzopardi, Lilian M. BPharm (Hons), MPhil, PhD, MRPharmS; Semacino-Ingott, Anthony BPharm, PharmD (Circ), MACCP, MRPharmS

Point of Care: The Journal of Near-Patient Testing & Technology: September 2015 - Volume 14 - Issue 3 - p 71-72  
doi: 10.1087/POC.0000000000000555  
Original Articles

### Proposing a Framework for International Normalized Ratio Testing and Anticoagulation Management in Community Pharmacies

Mifsud, Elena Marie MPharm (M&I); Azzopardi, Lilian M. PhD; Semacino-Ingott, Anthony PharmD

Point of Care: The Journal of Near-Patient Testing & Technology: December 2014 - Volume 13 - Issue 4 - p 125-127  
doi: 10.1087/POC.0000000000000038  
Original Articles

Adopting Point-of-Care Testing for pharmacist-led interventions in collaborative practice

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**Dissolved  
differences among  
many people**

**1963**



**End of an era**

**1980**



**Changed Media**

**1997**

35



**2010**

**Transformation to  
people-centred  
pharmacy education,  
practice and research  
initiatives**

36



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**Who has left the world better  
than he found it....**

**Who has always looked for the  
best in others**

**And given them the best that he  
had**

**Thank You**

[lilian.m.azopardi@um.edu.mt](mailto:lilian.m.azopardi@um.edu.mt)

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