Pharmacy Education in Europe

PHARMINE
PHARMINE background

- The EAFP / Bourlioux / EU Tempus project CME 94-F-2002
- Countries: AT, BG, CZ, EE, FI, HU, IS, LT, NO, PL, RO, SI, SK, SE, CH, then BE, DK, FR, DE, GR, IE, NL, PT, ES, UK
- Collected data on pharmacy curricula & training in Europe (1995-1997)
PHARMINE why

- Bologna principle: 3 year bachelor then 5 year master
- Directive 2005/36/EC
  - At least 5 years’ study
  - Indicators of knowledge & skills
- EAFP / Bourlioux survey in the 1990s
  - Wide diversity in EU HEIs
- Need for a
  - New survey
  - New PHARMINE recommendations
Professional pharmacy practice

Year
5
4
3
2
1
Pharmacy-specific Knowledge & Skills (pharmacy HEI)
Generic Knowledge & Skills (pharmacy HEI)

Traineeship (C, H)
Other master
Job

Generic Knowledge & Skills (pharmacy HEI)

Pharmacy-specific Knowledge & Skills (pharmacy HEI)

Traineeship (C, H, I)

Sectoral profession model
Seamless “tunnel”
Aim: recognition of Professional qualifications

Bologna model
Two cycles/tiers
Aim: European Higher Education Area (EHEA)

Master (second cycle)
Non-pharmacy bachelor
Bachelor (first cycle)
PHARMINE aims & objectives

1. Identify, localise & survey core competency curricula in EU HEI’s

2. Disseminate results of (1)

3. Produce a new EU model for core competency curriculum in pharmacy
PHARMINE

core partners
PHARMINE core partners

Vrije Universiteit Brussel (VUB)

- Bart Rombaut
  - Research interests: virology, antiviral drugs, vaccines
  - Expert for EMEA (London) and FAMHP (Brussels)
  - Dean of the School of Pharmacy of Vrije Universiteit Brussel
Jeffrey Atkinson

- Emeritus professor Nancy University
- Research: vascular biology
- Past President of the European Association of Faculties of Pharmacy
- Expert for the 5th through 7th EU frameworks in biomedical sciences
- Director “European School of Pharmacology”
- Co-director “EpharNet” (IT in pharmacology)
- Expert for the French government on human and animal medicines
- Member of the teaching committee of IU PHARmacology
- Member of ECVAM and the French committee on laboratory animals
PHARMINE core partners

P3, School of Pharmacy, University of London

- Ian Bates
  - Specialist in competency-based education in health care
  - Advisor to the WHO
  - Heads FIP/UNESCO Taskforce on Pharmacy Education
  - Leader UK consortium on post-registration careers

- Tina Brock
  - Specialist in patient-focussed education & new ITC methods
  - Research in health/promotion disease prevention for the underserved

- Catherine Duggan
  - Specialist in evaluation of health care services
  - Chair of the UK Clinical Pharmacy Association
PHARMINE core partners

P4, School of Pharmacy, University of Lisbon (F.F.U.L.)

José A. Morais
- Dean of F.F.U.L. & professor of pharmacokinetics
- Research on bioequivalence issues
- Member of EMEA
- Chairman of CPMP group on Guidelines on Bioequivalence

Matilde Castro
- President scientific board of F.F.U.L.
- Coordinator of master on QA in food technology
PHARMINE core partners

P5, European Pharmaceutical Students’ Association (EPSA)

the President

- President: Marisabelle Bonnici

- EPSA Officer: Tomaso Piaggio
PHARMINE core partners

P6, Pharmaceutical Group of the European Union (PGEU)
General Secretary

- John Chave
  - General Secretary
  - Lawyer with long standing interest in health issues

- Ivana Silva
  - Pharmacist
  - Director of Pharmaceutical & Professional Affairs

- Patricia Munoz
  - Lawyer
  - Advisor to the profession on impact of EU policies & legislation
PHARMINE core partners

P7, European Association of Hospital Pharmacists (EAHP)
Executive Director

- Juraj Sykora
  - Director of Professional Development

- Roberto Frontini
  - Director of Finances
PHARMINE core partners

P7, European Association of Hospital Pharmacists (EAHP)

Executive Director

Tony West
- Immediate past president

Catherine Hartmann
- Executive director
- Coordinator EAHP group on specialisation in hospital pharmacy
PHARMINE core partners

P8, European Industrial Pharmacists Group (EIPG)
Executive Director

Jane Nicholson
- Executive director EIPG
- Past regulatory affairs manager BMS
- Past vice-president FIP
- British Pharmaceutical Society
  - Past chairman of science and practice committees
  - Member of Education committee
PHARMINE
associated partners
PHARMINE associated partners

- **University of Tartu, Estonia:**
  - Peep Veski
  - Daisy Volmer
  - Urve Paaver

  Co-ordination contacts with new member states

- **National and Kapodistrian University, Athens, Greece:**
  - Dimitrios Rekkas
    - Quality assurance
PHARMINE associated partners

- University of Patras, Greece: Konstantinos Poulas
  - Industrial pharmacy

- Complutense University, Madrid, Spain: Benito del Castillo-Garcia
  - Co-ordination contacts with MS in Southern Europe and Central and South Americas
PHARMINE associated partners

- University of Lille, France: Annie Marcincal
  - Quality assurance

- Ordre des Pharmaciens, Paris: Isabelle Baron
  - Competency curriculum for professional pharmacists
PHARMINE associated partners

- University of Oslo, Norway:
  Karen M. Uhlshagen
  - Development at the bachelor level (in WP3)

- University of Tromsø, Norway:
  Thrina Leonnechen
  - Development of Ph.D. programmes (in WP3)
PHARMINE associated partners

- University of Strathclyde: Stephen Hudson
  - Hospital pharmacy (WP4)

- UK Clinical Pharmacy Association (UKCPA): Catherine Duggan
  - Standards & competencies of hospital practitioners
PHARMINE associated partners

- University of Hacettepe, Turkey:
  Filiz Hincal
  - Co-ordination for Turkey and the Balkans

- US Accreditation Council for Pharmacy Education (ACPE):
  Mike Rouse
  - Quality assurance & accreditation (WP6)
PHARMINE WORKPROGRAMMES (WPs)
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NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS
FACULTY OF PHARMACY

PHARMINE
Pharmacy Education in Europe

Lifelong Learning Programme

PCN
Pharmacolor Consultants Nancy

Vrije Universiteit Brussel

UNIVERSITY OF TARTU

Nancy-Université

EASP
Estonian Academic Society of Pharmacy

PGEU GPEU Groupe Pharmaceutique de l'Union Européenne Pharmaceutical Group of the European Union

HACETTEPE UNIVERSITY
To the leading edge... Toward being the best...

The School of Pharmacy
University of London

GPIE EIPG

The University of Strathclyde

ACP Education

University of Veszprém