

## ***Bart ROMBAUT, Brussels***



Trained as a pharmacist Bart Rombaut has a long-lasting worldwide reputation in pharmaceutical scientific research and in research and development of numerous projects in pharmacy education and training.

Trained as a pharmacist B. Rombaut has a long-lasting worldwide reputation in pharmaceutical scientific research and in research and development of numerous projects in PET.

### **Education:**

Pharmacist, Ph D and tenure, Vrije Universiteit Brussel (1981, 1986, 1991)

### **University positions.**

Professor, VUB, 1991

Full professor, VUB, 2010

Dean School of Pharmacy VUB, 2005 on

Vice-Dean Faculty of Medicine and Pharmacy, 2004 on

Deputy Head University Education Council, 2006-2010

Guest professor university of Nijmegen (NL), 2006-2010

### **Consultant and expert**

- Belgium - Expert
  - Drug Evaluation & Registration Board, 2003 on
  - Biosafety Board, 2006 on
- Europe - Expert
  - European Union
    - EMA, 2006 on
    - Project leader "PHARMINE" ([www.pharmine.org](http://www.pharmine.org)), 2008 on
- Consultant for Medical Research Councils
  - Switzerland, 2001 on

### **Member of scientific and other societies**

- Major American, British and Belgian societies for virology, 1991 on

**President and past treasurer, European Association of Faculties of Pharmacy (EAFP)**

**Member of the Board of Trustees, European Pharmaceutical Student Association**

**Member of the Royal Pharmaceutical Academy of Spain**

## Research interests

Molecular Virology, vaccines and antiviral products; 75 major papers and 150 other publications (SCOPUS "h" index: 14).

## Recent research publications (these are given as an indication of research activity and capacity):

1. Oita, I., Halewyck, H., Pieters, S., Dejaegher, B., Thys, B., Rombaut, B., Vander Heyden, Y. Rational use of stacking principles for signal enhancement in capillary electrophoretic separations of poliovirus samples (2011) *Journal of Pharmaceutical and Biomedical Analysis*, 55 (1), pp. 135-145.
2. Oita, I., Halewyck, H., Thys, B., Rombaut, B., Vander Heyden, Y., Mangelings, D. Microfluidics in macro-biomolecules analysis: Macro inside in a nano world (2010) *Analytical and Bioanalytical Chemistry*, 398 (1), pp. 239-264.
3. Thys, B., Schotte, L., Muyltermans, S., Wernery, U., Hassanzadeh-Ghassabeh, G., Rombaut, B. In vitro antiviral activity of single domain antibody fragments against poliovirus (2010) *Antiviral Research*, 87 (2), pp. 257-264.
4. Oita, I., Halewyck, H., Pieters, S., Dejaegher, B., Thys, B., Rombaut, B., Heyden, Y.V. Improving the capillary electrophoretic analysis of poliovirus using a Plackett-Burman design (2009) *Journal of Pharmaceutical and Biomedical Analysis*, 50 (4), pp. 655-663.
5. Roelandt, T., Thys, B., Heughebaert, C., De Vroede, A., De Paepe, K., Roseeuw, D., Rombaut, B., Hachem, J.-P. LEKTI-1 in sickness and in health (2009) *International Journal of Cosmetic Science*, 31 (4), pp. 247-254.
6. Steurbaut, S., Merckx, E., Rombaut, B., Vrijisen, R. Modulation of viral replication in macrophages persistently infected with the DA strain of Theiler's murine encephalomyelitis virus (2008) *Virology Journal*, 5, art. no. 89,
7. Thys, B., De Palma, A.M., Neyts, J., Andries, K., Vrijisen, R., Rombaut, B. R75761, a lead compound for the development of antiviral drugs in late stage poliomyelitis eradication strategies and beyond (2008) *Antiviral Research*, 78 (3), pp. 278-281.
8. De Palma, A.M., Pürstinger, G., Wimmer, E., Patick, A.K., Andries, K., Rombaut, B., De Clercq, E., Neyts, J. Potential use of antiviral agents in polio eradication (2008) *Emerging Infectious Diseases*, 14 (4), pp. 545-551. .

## Recent publications in education:

1. Atkinson, J., Rombaut, B. The 2011 PHARMINE report on pharmacy and pharmacy education in the European Union. *Pharmacy Practice*, 2011, 9: 169-187.  
<http://www.pharmacypractice.org/vol09/04/toc.htm>
2. Atkinson, J., Rombaut, B. The PHARMINE study on the impact of the European Union directive on sectoral professions and of the Bologna declaration on pharmacy education in Europe. *Pharmacy Practice*, 2011, 9: 188-194.
3. Morais, J.A.G.M., Cavaco, A.M., Rombaut, B., Atkinson, J. Quality assurance in European pharmacy education and training. *Pharmacy Practice*, 2011, 9: 195-199
4. Petit, P., Foiriers, A., Rombaut, B. The introduction of new teaching methods in pharmacy education-II. The starting point (2008) *Pharmacy Education*, 8 (1), pp. 19-28.
5. Petit, P., Foiriers, A., Rombaut, B. The introduction of new teaching methods in pharmacy education-I. Lessons learned from history (2008) *Pharmacy Education*, 8 (1), pp. 13-18.
6. Atkinson, J., Rombaut, B. The PHARMINE paradigm – matching the supply of pharmacy education and training to demands. *Industrial Pharmacy*, 2010, 27: 6-9.  
<http://www.industrialpharmacy.eipg.eu/records/EIP6/EIP6%20Jun10%20P4.pdf>
7. Atkinson, J., Rombaut, B. The PHARMINE survey of pharmacy education and training in Europe. *Eur. J. Pharmaceut. Sci.*, 2009; 38/1S: 58. <http://www.bbbb-eufeps.org/>
8. Rombaut, R., Atkinson J. PHARMINE or pharmaceutical education in Europe, a challenge to all pharmacists. 3<sup>rd</sup> BBBB New progress and challenges in Pharmaceutical Sciences, edit. Hincal, A., Celebi, N., Yuksel, N. 2009, 348-353.  
<http://www.bbbb-eufeps.org/>

## The School of Pharmacy, *Vrije Universiteit Brussel* (VUB), Brussels, Belgium

The *Vrije Universiteit Brussel* (VUB) is the offshoot of the French-speaking *Université Libre de Bruxelles* (ULB) that was founded in 1834 by a Brussels lawyer with Flemish origins, **Pierre-Théodore Verhaegen**. He wished to establish a university that would be independent from the state and the church, and where academic freedom would reign.



With the 28<sup>th</sup> May 1970 act, the *Vrije Universiteit Brussel* and the *Université Libre de Bruxelles* officially became two separate legal, administrative and scientific entities.



The VUB has two separate campuses, one in Etterbeek, located close to the centre of Brussels, and the other in Jette. Life sciences (medicine, pharmacy, dentistry, and the biomedical and paramedical sciences) courses are given in Jette. The School of Pharmacy is part of the Faculty of Medicine and Pharmacy in Jette and has a long tradition of excellence in research. The four main research topics are *in vitro* toxicology, analytical chemistry and data analysis, neuropharmacology and neuro-virology.



For the past fifteen years, the School of Pharmacy VUB has also invested in education and research on education. VUB collaborates with other institutions in the forefront of pharmacy education such as Utrecht, Groningen and Paris. The School works closely together with The European Association of Faculties of Pharmacy (EAFP). The Dean of the School of Pharmacy – Bart Rombaut is presently president of EAFP.

The projects on innovation in education were initially funded by the university; later grants were obtained from the government under the “Program for Innovation of Higher Education and Policy Making Research Projects”.



Recently projects have been submitted together with other European partners to the Erasmus program of the European Commission (Lifelong learning, DG Education and Culture)

In 2008, the PHARMINE “Pharmacy Education in Europe” project was funded. In 2012 the project PHAR-QA “Quality Assurance in European Pharmacy Education and Training” was funded.