

# CURRICULUM VITAE

**VANDAMME Anne-Mieke Irène**, female, born in Belgium 17/09/60, Belgian nationality, married with 2 children.

**Doctor in Science** since 1986, specialization Biochemistry, Katholieke Universiteit Leuven, Belgium (KULeuven).

**Regular Full professor** at the Katholieke Universiteit Leuven, Faculty of Medicine, Department of Microbiology and Immunology, Rega Institute for Medical Research, Leuven, Belgium

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**Head of Bioinformatics unit** at the 'Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa, Lisboa, Portugal

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**Founder and director of the companies** IBEICO (International Biomedical Engineering and Informatics Consultancy Office) and MyBioData (Support for database solutions in the Biomedical sector)

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**Director of several research projects** at the REGA institute for Medical Research (Department of Microbiology and Immunology, KULeuven) leading a team of more or less 20 researchers:

- Investigation of the molecular evolution of human viruses.
- Evaluation of factors determining therapy response in HIV infected patients, with a special focus on HIV drug resistance.
- Evaluation and introduction of new molecular biology based techniques for the Belgian AIDS Reference laboratory in Leuven.

**Frequently invited lecturer** in research institutions in Belgium and abroad.

**Awardee of several scientific distinctions**

Award Jean-Servais Stas 1986, granted for my PhD thesis.

Award Franz Van Goidsenhoven for Clinical Medical Science, Period 1989-1991 :

Enhancement of the thrombolytic potency of urokinase-type plasminogen activator by targeting with clot-specific monoclonal antibodies.

Special award of the Belgian Royal Academy of Medicine, Period 1991-1993 :  
Polymerase chain reaction (PCR) as a diagnostic tool in HIV infection.

Award Dr. & Mrs Schamelhout-Koettlitz for Medical Science, Period 1996-1997 :  
Groeïende divergentie binnen de primate T-cel lymfotrope virussen.

### **Educational assignments**

*Hospital duties:* Involved in HIV-1 drug resistance and tropism testing at the University Hospital in Leuven.

*Training duties:* Training and advising researchers, copromotor or promotor of undergraduate and PhD students at the KULeuven.

*Invited expert:*

International Jury member for PhD projects and international grant organizations.

Occasional invited forensic expert for HIV transmission cases

Coordinator of the *European Guidelines for HIV-1 Drug Resistance* since 2000

Member of the WHO HIV drug resistance network

*Meeting responsibilities:*

Organizer of the annual *International bioinformatics workshop on virus evolution and molecular epidemiology*, since 1995.

Co-organizer of the annual *European HIV Drug Resistance Workshop: from Basic Science to Clinical Implications*, since 2002.

Invited chairman on international meetings.

*Editor responsibilities:*

Editor of the international journal *AIDS Reviews*.

Current member of the editorial board of the international journals *Antiviral Chemistry and Chemotherapy*, *Journal of Medical Virology*, *HIV Therapy*, *Antiviral Therapy Reviews* and *Retrovirology*.

Occasional guest editor for *Virus Research*, *FEMS Immunology and Medical Microbiology*, and for *Infection*, *Genetics and Evolution*.

*Participation in international organizations:*

Coordinator of the *European Guidelines for HIV Drug Resistance* since 2000,

Member of 13 scientific organizations including *IAS*, *EACS*, *ESCV International Retrovirology Association* and the *Royal Academy of Medicine of Belgium*.

### **Academic responsibilities**

Head of the Division Clinical and Epidemiological Virology (KULeuven) (rotating every 3 years with Prof Van Ranst)

Full Professor at the Faculty of Medicine, Katholieke Universiteit Leuven, Leuven, Belgium

Permanent member of the faculty council (Medicine) and the department council (Microbiology), KULeuven.

Teaching : Genetics (Master in Bioinformatics, KULeuven, Belgium); Bioinformatics (Master in Bioinformatics and Masters in Medical Sciences, KULeuven, Belgium); Occasional teacher in "Molecular epidemiology of viruses" in several Universities worldwide.

### **Contributor to software**

- The Rega Algorithm "Clinical decision support software for the interpretation of genotypic HIV drug resistance". Available on-line from several websites worldwide.

- The Rega HIV-1 Subtyping tool "Automated tool for classifying HIV-1 strains using phylogenetic analysis". Available on-line from several websites worldwide.

- RegaDB: An Open Source, Community-Driven HIV Data and Analysis Management Environment. Available on-line from several websites worldwide.

**Publications**

Around 280 publications in international journals such as Nature Medicine, Proceedings of the National Academy of Sciences of the USA, Journal of Virology, Trends in Microbiology, and many others, half of them with first and/or last author from the lab.  
Around 430 abstracts presented at International Meetings