Curriculum vitae _ Marianne FILLET

1. CIVIL STATUS

Name:	FILLET
First name:	Marianne, Louise, Hélène
Date of birth:	December 22nd 1970
Nationality:	Belgium
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2. EDUCATION AND TRAINING

- Jul. 1992: Pharmacist from the University of Liege, Belgium.
- Jul. 1993: Master's degree in Pharmaceutical Sciences at the University of Liege, Belgium.
- Jan. 1998: PhD in Pharmaceutical Sciences at the University of Liege, Belgium.
- 1998-2010: Postdoctoral Researcher at National Found for Scientific Research (FNRS) in Belgium, France, Germany and The Nederland.

3. PROFESSIONAL EXPERIENCE

- 01/10/1994 - 30/09/2010: Research Fellow, Postdoctoral Researcher, then Research Associate at the National Fund of Scientific Research (FNRS).
- 2010-now: Professor, then Full professor (2019) at the University of Liege, Head of the Laboratory for the Analysis of Medicines. This includes teaching and research activities and analytical services.
- 2014-now: Director of the CIRM (Center for Interdisciplinary Research on Medicines), ULiege.
- 2016-now: Member of the Royal Academy of Medicine.
- 2017-now: President of the Belgian Society of Pharmaceutical Sciences.

4. Defended PhD thesis under my supervision over the last 5 years (9):

- Céline Deroyer « Proteomic study of primary mitral regurgitation. Implication of autophagy in cellular signaling » (2008-2014), PhD in Biomedical and Pharmaceutical Sciences.
- Inès Fradi « Enantioselective metabolomic studies of complex samples by capillary electrophoresis » (2008-2014), PhD in Biomedical and Pharmaceutical Sciences.
- Cédric Hubert, « Evaluation of novels extractions phases for the development and the validation of automated methods for determination of drugs and its metabolites in biological matrices », (2009-2015), PhD in Biomedical and Pharmaceutical Sciences with the Laboratory of Analytical Chemistry.
- Caroline Lamalle « Capillary electrophoresis in the context of drug counterfeiting: application to small molecules and biopharmaceuticals » (2009-2015), PhD in Biomedical and Pharmaceutical Sciences.
- Yang Huang « Analysis of polar compounds from plants and TCMs by SFC and CE » (2014-2017) PhD in Biomedical and Pharmaceutical Sciences.

- Aurore Napp « Research and quantification of biomarkers by the use of miniaturized techniques coupled with mass spectrometry » (2012-2018), PhD in Biomedical and Pharmaceutical Sciences.
- Elena Farcas « Bioassays development for fragment screening and early pharmacokinetics: application to the discovery of antithrombotic drugs» (2014-2018), PhD in Biomedical and Pharmaceutical Sciences.
- Radu Moldovan « Development and validation of electrophoretic methods coupled to mass spectrometry for metabolomic studies » (2014-2018), PhD in Biomedical and Pharmaceutical Sciences, with Cluj-Napoca.
- Gwenaël Nys « Development of microfluidics approaches for the quantification of biomolecules in physiological fluids » (2015-2019), PhD in Biomedical and Pharmaceutical Sciences.

5. Ongoing PhD thesis under my supervision (9):

- Valentin Ion «Development and innovative LC-MS/MS methods for the quantitation of disease biomarkers in biological fluids» (2016-), PhD in Biomedical and Pharmaceutical Sciences.
- Alice Demelenne «Microfluidic electrodriven approaches for the analysis of pharmaceuticals and biopharmaceuticals » (2015-), PhD in Biomedical and Pharmaceutical Sciences.
- Paul Emonts «Microfluidics for QC and bioanalysis in GMP» (2017-), PhD in Biomedical and Pharmaceutical Sciences.
- Laureen Coic «Evaluation of fibrational imaging technologies in the framework of the implementation of a reference database to fight against falsified medicines" (2017-), PhD in Biomedical and Pharmaceutical Sciences.
- Clara Davoine « Development of new compounds targeting coagulation factor XIIa using innovative microfuidic assays in the context of fragment-based drug discovery » (2018-), PhD in Biomedical and Pharmaceutical Sciences.
- Thomas Van Laethem « Method development strategies for mono and multi-dimensional chromatographic methods with complex retention mechanisms », (2018-), PhD in Biomedical and Pharmaceutical Sciences.
- Marie-Jia Gou « Complementary analytical methodologies for the identification of low-abundant antigens expressed at the surface of multiple myeloma cells », (2019-), PhD in Biomedical and Pharmaceutical Sciences.
- Cindy Nix « Development of complementary analytical methodologies for the comprehensive study of rheumatic diseases », (2019-), PhD in Biomedical and Pharmaceutical Sciences.
- Li Lu « Development of monoclonal antibodies extraction methods from plasma by Fab-peptide immobilized affinity monoliths and their analysis by HPLC and CZE coupled with mass spectrometry », (2019-), PhD in Biomedical and Pharmaceutical Sciences in collaboration with Jinan University, Guangzhou, China.

6. RESEARCH ACTIVITIES

The scientific activity covers 4 main topics:

- Development of **innovative separative methods** (mass spectrometry, microfluidics, on-line and in-line microreactors, …),
- **Fundamental** studies (proteins interactions in native form, chiral drug recognition patterns, drug-target interactions,…),
- Discovery and quantification of **proteic** and **metabolic biomarkers,** including their modifications (acethylation, glycosylation,…)
- Drug **quality control** and **counterfeiting medicines combat**.

These 4 topics concern not only **synthetic drugs** but also **therapeutic macromolecules** (peptides, proteins, oligonucleotides and nanomedicines) including biological entities (virus like particules).

7. BIBLIOMETRY

	Scopus	Google Scholar	Research Gate
H factor	37	43	43.16
Citations	4424	5611	4562