

Curriculum Vitae

Last name, First name: Vanhaecke Tamara

Gender: Female

Nationality: Belgian

Overall Scientific Expertise:

[Based on your educational and professional backgrounds, please summarise (up to 100 words) your scientific expertise (disciplinary areas, competencies, etc.) especially your health and environmental risk assessment expertise (*if applicable*).]

She is head of department of the research unit *In Vitro* Toxicology and Dermato-Cosmetology at the Vrije Universiteit Brussel (VUB) and has experience in basic and applied *in vitro* toxicological research, i.e. the development of *in vitro* 3R alternative methods important for safety testing of new and existing molecules. She has > 200 publications in the area of (*in vitro*) toxicology in peer- reviewed journals. She is an European Registered Toxicologist with experience in risk assessment of cosmetic ingredients and finished products. She is involved in a yearly organized one-week course at the VUB with respect to the safety assessment of cosmetics in the EU.

Professional Experience

[Starting with your present occupation, list in reverse chronological order each activity in which you have been engaged. Please copy and paste more rows if needed.]

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation [▲]
2017 - now	Head of Department	Vrije Universiteit Brussel, BE	Research on 3R-alternatives Risk assessment of cosmetics
2013 - now	Full-time Professor at Dept of <i>In Vitro</i> Toxicology and Dermato-Cosmetology	Vrije Universiteit Brussel, BE	Research on 3R-alternatives Risk assessment of cosmetics
2010 - 2013	Full-time Head docent at Dept of Toxicology and Dermato-Cosmetology	Vrije Universiteit Brussel, BE	Research on 3R-alternatives Risk assessment of cosmetics
2000 - 2010	Post-doc at Dept of Toxicology and Dermato-Cosmetology	Vrije Universiteit Brussel, BE	Research on 3R-alternatives Risk assessment of cosmetics
1994 - 2000	Assistant at Dept of Toxicology and Dermato-Cosmetology	Vrije Universiteit Brussel, BE	Research on 3R-alternatives

[▲][*For example*: toxicology (alternative methods, carcinogenesis, endocrine, immunotoxicity, occupational, exposure assessment, genotoxicity, etc.), chemistry (atmospheric, medicinal, peptide, etc.), physics (biophysics, EMF radiation, noise, etc.), engineering (genetic, environmental, medical, etc.), biology (antimicrobial resistance, biophysics, biotechnology, etc.), medicine (allergies, neurology, etc.), epidemiology (clinical, genetic, cancer, etc.) environmental science (air quality, waste treatment, climate change, ecology, etc.), biostatistics, pharmacokinetics, medical technologies, nanoscience, etc...]

Educational Background

[Starting with the most recent, please provide the details of your post-secondary education and/or professional training (e.g. university or its equivalent, postgraduate, postdoctoral). Please copy and paste more rows if needed.]

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
2010	European Registered Toxicologist	Belgian Society of Toxicology and Ecotoxicology, BE	Toxicology and Risk Assessment
2004	Certificate	Vrije Universiteit Brussel, BE	Safety Assessment of Cosmetics in the EU
1994 - 2000	Doctor in Pharmaceutical Sciences	Vrije Universiteit Brussel, BE	<i>In Vitro</i> Toxicology
1992-1994	Master in Bio-Engineering in Cell- and Gene-Biotechnology	Vrije Universiteit Brussel, BE	Bio-engineering
1990-1992	Bachelor in Bio-Engineering in Cell- and Gene-Biotechnology	Vrije Universiteit Brussel, BE	Bio-engineering

*[*For example:* chemistry (analytical, organic, etc.), physics (thermodynamics, nuclear, etc.), engineering (mechanical, electrical, chemical, civil, etc.), biology (microbiology, molecular, etc.), medicine (dermatology, oncology, etc.), environmental science, pharmacology, toxicology, etc....]

Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

- Invited Expert Toxicologist for the Hoge GezondheidsRaad (Federal Government Belgium) since January 2003.
- Member of the organizing committee of the Matchmaking Event ‘New scientific impulses towards 3R alternatives – Methods to replace, reduce and refine animal use’, an initiative of Technology Transfer Interface, VUB.
- Member of the ECVAM Validation Management Group – International validation study in the field of Toxicokinetics and Metabolism: Human HepaRG and cryopreserved hepatocytes CYP induction test methods.
- Member of the panel Pharmaceutical sciences and protein chemistry of the fund of Scientific research Flanders (FWO Med1 commission) since October 2010.
- European registered Toxicologist (ERT, Belgian Register) since 2010.
- Invited expert for IWT (Agency for Innovation by Science and Technology in Flanders) to select PhD candidates in November 2011 & 2012, and post-doctoral innovation mandates in November 2014.
- Member of the Federal Ethical Committee on the protection of Animals since January 2013.
- Invited expert of the Scientific Committee on Consumer Safety (SCCS, under DG SANTE) from March 2014 till April 2016, elected member of SCCS since April 2016.
- Member of the Steering Committee of the Innovation Centre-3Rs (IC-3Rs) since 2017.

Memberships in Learned Societies (if any):

- Member of BELTOX (the Belgian Society of Toxicology)
- Member of ESTIV (European Society of *In Vitro* Toxicology)

Memberships in Editorial Boards (if any):

Frontiers in Toxicology – section Regulatory Toxicology

List of Publications:

[Please indicate the type and total number of your publications. In addition, provide the bibliographic details for the 7 most representative, peer-reviewed articles which highlight the main areas of your scientific expertise.]

- > 200 scientific publications dealing with (*in vitro*) toxicology in peer-reviewed journals
 - 30 book chapters dealing with 3R-alternative methods
1. Marcelis Q., Gatzios A., Deconinck E., Rogiers V., Desmedt B. and Vanhaecke T. (2022) Quantitative risk assessment of allergens leaching from menstrual hygiene products. *Regulatory Toxicology and Pharmacology* 135: 105260.
 2. Rombaut M., Boeckmans J., Rodrigues R.M., van Grunsven L.A., Vanhaecke T. and De Kock J. (2021) Direct reprogramming of somatic cells into induced hepatocytes: cracking the Enigma code. *Journal of Hepatology* 75(3): 690-705.
 3. Gustafson E., Debryune C., De Troyer O., Rogiers V., Vinken M. and Vanhaecke T. (2020) Screening of repeated dose toxicity data in safety evaluation reports of cosmetic ingredients issued by the Scientific Committee on Consumer Safety between 2009 and 2019. *Archives of Toxicology* 94(11): 3723-3735.
 4. Boeckmans J., Buyl K., Natale A., Vandenbempt V., Branson S., De Boe V., Rogiers V., De Kock J., Rodrigues R.M. and Vanhaecke T. (2019) Elafibranor restricts lipogenic and inflammatory responses in a human skin stem cell-derived model of NASH. *Pharmacological Research* 144: 377-389.
 5. Rodrigues R.M., Branson S., De Boe V., Sachinidis A., Rogiers V. De Kock J. and Vanhaecke T. (2016) *In vitro* assessment of drug-induced liver steatosis based on human dermal stem cell-derived hepatic cells. *Archives of Toxicology* 90(3): 677-689.
 6. Vanhaecke T., Pauwels M., Vinken M., Ceelen L. and Rogiers V. (2011) Towards an integrated *in vitro* strategy for repeated-dose toxicity testing. *Archives of Toxicology* 85, 365-366.
 7. Snykers S., De Kock J., Rogiers V. and Vanhaecke T. (2009) *In vitro* differentiation of embryonic and adult stem cells into hepatocytes: state of the art. *Stem Cells* 27(3), 577-605.