



Anouck Thienpont

PHD STUDENT WITH A
BACKGROUND AS
INDUSTRIAL PHARMACIST

Born on 1st of August 1994,
Belgian

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SUMMARY

During my PhD career I want to combine my pharmaceutical knowledge and interest in dermatocosmetology research to become a scientific expert in the *in vitro* genotoxicology and dermatocosmetology.

SKILLS

Personality

- Social, engaged and dynamic
- Comfortable to work both independently and as a team member
- Eager to learn
- Strong ownership of own project and ability to take the lead
- Correct, precise and reliable

Software

- Proficient use of Microsoft Word, Powerpoint, Excel, Outlook
- R, GraphPad Prism and Adobe Illustrator

Language

Dutch: Mother tongue
English: Fluent
French: Fluent
German: Notion

CURRENT ACTIVITIES

PHD STUDENT

*Research Foundation Flanders (FWO),
Flanders – Fellowship strategic basic
research*

Oct 2020 - Present

*In vitro Toxicology and Dermatology, Vrije
Universiteit Brussel - Academic Assistant
Staff*

Oct 2019 - 2020

- PhD project: "Next Generation Risk Assessment" (NGRA) to assess the genotoxicity of chemical compounds without the use of experimental animals.
- Write scientific publications and present research results at (inter)national congresses
- Provide teaching assistance in the course "dermatocosmetics"
- Support Master students during their thesis
- Member of the Innovation Centre IC-3Rs and the Belgian and European Societies on Environmental Mutagenesis.

EDUCATION HISTORY

Masters of Pharmaceutical care

2018 - 2019

Katholieke Universiteit Leuven

Masters of Science in Drug Development

2016 - 2018

Katholieke Universiteit Leuven,
Magna cum laude

ADDITIONAL EDUCATIONS

- Practical and Theoretical Course on Skin models to assess contact allergens as part of the TWINALT project. Milan, Italy (May 10-26, 2022)
- "in Silico Toxicology": application of QSAR models, read-across and the TTC concept, *Fraunhofer Institute for Toxicology and Experimental Medicine (virtual)* (2020)
- Safety assessment of cosmetics in the EU, VUB, Brussels (2020)
- Basic programming and transcriptomic analysis using R, LSM-VUB, Brussels (2019-2020)
- Intensive course in Dermato-Cosmetic Sciences, VUB, Brussels (2019)

RESEARCH OUTPUT

Publications in peer-reviewed journals

Thienpont A, Verhulst S, van Grunsven L, Rogiers V, Vanhaecke T and Mertens B. (2022). Novel prediction models for genotoxicity based on biomarker genes in human HepaRGTM cells. Accepted for publication in ALTEX

Rogiers V, Thienpont A, Delagrangé M, Mertens B and Vanhaecke T. Validated alternative methods available for human Health and Safety assessment of cosmetic products and their ingredients in the European Union (Book chapter) fifth Edition: Handbook of Cosmetic Science and Technology, CRC Press, July 28 2022. ISBN 9780367469979

Oral presentations

Thienpont A, Verhulst S, van Grunsven L, Rogiers V, Vanhaecke T and Mertens B. The evaluation of genotoxicity by using novel prediction models based on biomarker genes in human HepaRGTM cells. Presented by Thienpont A. at the OpenTox Virtual Conference. Online, September 12-16 2022

Thienpont A, Verhulst S, Sanders J, De Win D, Tarhonska K, Rogiers V, Vanhaecke T, and Mertens B. GENOMARK gene expression data to compare genotoxic potencies: qualitative and quantitative aspects. Presented by Thienpont A. at the 13th ICEM conference. Ottawa, Canada, August 27 – September 1st 2022

Thienpont A, Verhulst S, van Grunsven L, Rogiers V, Vanhaecke T and Mertens B. Development and comparison of novel prediction models for genotoxicity based on biomarker genes in HepaRGTM cells. Presented by Thienpont A. at the ASCCT-ESTIV webinar. Online, May 16th 2022

Rogiers V. and Thienpont A. Potential Endocrine Disruptors in Cosmetic Products – what Brings the Future. Presented by Rogiers V. at The Virtual 6th ERPA Annual Congress on Regulations and Compliance for Cosmetics. Online, 2-3 February 2022

Thienpont A, Verhulst S, van Grunsven L, Rogiers V, Vanhaecke T and Mertens B. Development of a novel genotoxicity prediction model based on biomarker genes in human HepaRGTM cells. Presented by Thienpont A. at the ASCCT meeting. Online, October 2021.

Thienpont A, Verhulst S, van Grunsven L, Rogiers V, Vanhaecke T and Mertens B. A novel prediction model to evaluate genotoxicity based on a gene signature in metabolically competent human HepaRGTM cells. Presented by Thienpont A. at the Eurotox 2021. Online, September 26 – October 1st 2021

Poster presentations

Sanders J, Thienpont A, Anthonissen R, Vanhaecke T and Mertens B. Impact of experimental design factors on in vitro genotoxicity test results. Poster presentation by J. Sanders at the IC-3Rs meeting 2022, Brussels (Belgium).

Van Bossuyt M, Hendriks G, Derr R, Doktorova TY, Thienpont A, Van Hoeck E, Vanhaecke T, Rogiers V and Mertens B. Combining a transcriptomics-based gene expression biomarker with the ToxTracker to evaluate the genotoxic potential of high priority printed paper and board food contact material substances. Poster presentation by B. Mertens at the Belttox meeting 2019, Brussels (Belgium), November 2019

Supervisor of Master thesis

Comparative study on the performance of a genotoxin-specific transcriptomics-based gene expression biomarker and traditional genotoxicity tests. By Femke Daenekindt in order to obtain her Master in Biomedical Sciences at the UA (2020).

Potency comparison of aflatoxin B1 and ethyl methanesulfonate in different in vitro genotoxicity tests. By Julie Sanders in order to obtain her Master in Pharmaceutical Sciences at the VUB (2021).

Awards

Ray Tice Tox21 Student Award, obtained at the 10th Annual ASCCT meeting: Practical Applications Of New Tools In Toxicology. Online, October 2021

Health and Environmental Sciences Institute (HESI) Genetic Toxicology Technical Committee (GTTC) Professional Development Award, obtained on behalf of the GTTC Education Outreach Committee on April 15, 2022

Travel award to attend the ICEM meeting, obtained on behalf of the Belgian EMS (BEMS) association on May 3rd, 2022

EXPERIENCE

Short international research stay at The Genomics in Regulatory and Applied Toxicology Laboratory , University of Ottawa, Canada. Under supervision of Prof. Dr. C. Yauk. September 5-16, 2022.

- Performed the TempO-Seq technique on 192 HepaRGTM cell lysates
- Participated in the labmeetings
- Worked together with the data analysts for data analysis of the gene expression data.