



Curriculum Vitae

Valérie F. Smolders



+31 643 284 522



valerie_smolders@hotmail.com



Leiden, The Netherlands



www.linkedin.com/in/valerie-smolders



1 March 1992 (Belgium)

About me

- Talented and self-motivated transfer scientist with > 1 year experience in Life Sciences and expert knowledge in ELISA analytical procedures
- Experience in project management across contract laboratories, tech transfer and product development strategy with a strong eye for trouble shooting and problem solving skills
- Excellent communication skills, enthusiastic and pro-active with an eagerness to create a sense of togetherness in a team

Work experience

Jan 2021 - present

Method Transfer Scientist Molecular Bioassays, **Janssen Vaccines & Prevention**, NL

- Transfer molecular bioassays to QC labs
- Oversee release methods for vaccines at GMP level at CRO's
- Lead root-cause investigations
- Subject matter expert for cell-based assays and ELISA
- Method development & optimization
- Design strategies to improve tech transfer
- Prepare documents for regulatory filing
- Project management

Feb 2016 – Dec 2020

PhD Candidate at the **Leiden University Medical Center**, The Netherlands and at **Hospital Clínic of Barcelona**, Spain

Laboratory of Prof. Quax (LUMC) and Prof. Dr. Barberà (Hospital Clínic)

Technical Skills:

- Cell-based and metabolic assays
- Primary cell isolation
- Development and standardization of a patient-derived in vitro model
- Immunohistochemistry and immunocytochemistry
- qPCR & western blot

Jan 2018 – Aug 2018

Industrial Research Secondment in immune-oncology at **CellCarta**, Belgium

- Data analysis and writing validation reports
- Sample management and database creation

Curriculum Vitae

Mar 2015 – Jun 2015 **Research Internship** at the **University of Antwerp**, Belgium
Laboratory of Medicinal Chemistry of Prof. Augustyns

- Compound synthesis and purification
- Experience with analytical techniques (NMR, TLC and UPLC)

Education

2016-2020 **PhD Fellowship** in the Horizon 2020 Marie-Curie PhD program MoGlyNet

Date of defence: 03 December 2020

2013-2015 **Master of Science in Drug Development:** Pharmacist (University of Antwerp, Belgium)

2010-2013 **Bachelor of Science in Pharmaceutical Sciences** (University of Antwerp, Belgium)

Competences

Professional

- Tech transfer
- Molecular assays
- Project management
- Structured
- Validation strategies

Personal

- Accurate
- Critical thinking
- Hard working
- Caring
- Connector

Languages

- Dutch: native
- English: excellent
- Spanish: good

Publications (5 out of 10)

- Valérie F.E.D. Smolders et al, 2021. Derivation and characterization of endothelial cells from patients with CTEPH. **Scientific Reports**
- Valérie F.E.D. Smolders et al, 2021. The inflammatory profile of CTEPH-derived endothelial cells is a possible driver of disease Progression. **Cells**
- Valérie F.E.D. Smolders et al, 2021. Endothelial dysfunction in pulmonary hypertension: cause or consequence? **Biomedicines**
- Valérie F.E.D. Smolders et al, 2020. Decreased glycolysis as metabolic fingerprint of endothelial cells in CTEPH. **American Journal of Respiratory Cell and Molecular Biology**
- Valérie F.E.D. Smolders et al, 2018. Metabolic Alterations in Cardiopulmonary Vascular Dysfunction. **Frontiers in Molecular Biosciences**

Interests



Classical Ballet & Yoga



Stand Up Paddling



Quizzes and Social Activities