



## Curriculum Vitae

### Personal information **Laurens Verscheijden**

#### Work experience

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1. Employer: Medicines Evaluation Board
  - Start date: 06-2021
  - End date: -
  - Position: Clinical pharmacokinetics assessor
  - Country: Netherlands
2. Employer: Radboudumc, Dept. Pharmacology and Toxicology
  - Start date: 10-2017
  - End date: 09-2021
  - Position: PhD student
  - Activities: Pharmacology | Pharmacokinetics | PB-PK/PD modelling
  - Country: Netherlands
3. Employer: Radboudumc, Dept. Pharmacology and Toxicology
  - Start date: 09-2021
  - End date: -
  - Position: Guest Researcher
  - Activities: Pharmacology | Pharmacokinetics | PB-PK/PD modelling
  - Country: Netherlands

#### Education and training

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1. Subject: Jheronimus Academy of Data Science
  - Start date: 2019
  - End date: 2020
  - Qualification: Postgraduate course in data science - Data Science in Health
  - Country: Netherlands
2. Subject: Wageningen University and VU Amsterdam
  - Start date: 12-2017
  - End date: 09-2021
  - Qualification: Postgraduate Education Toxicology
  - Organisation: Wageningen University and VU Amsterdam
  - Country: Netherlands
3. Subject: Radboud University
  - Start date: 09-2015
  - End date: 08-2017
  - Qualification: MSc Biomedical Sciences - Major Toxicology
  - Country: Netherlands
4. Subject: Radboud University
  - Start date: 09-2012
  - End date: 08-2015
  - Qualification: BSc Biomedical Sciences
  - Country: Netherlands

Simcyp Absorption I focused workshop - 2025

#### Additional information

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##### Publications

1. Evaluating Model-Based Extrapolation of Plasma Exposure for Long-Acting Injectable Products: From Single- to Multiple-Dose Trials. Lubberts DE, Eleveld DJ, Verscheijden LFM, Colin PJ, Koomen JV. *CPT Pharmacometrics Syst Pharmacol*. 2026 Feb;15(2):e70170. doi: 10.1002/psp4.70170.
2. Physiologically-Based Pharmacokinetic Modelling to Predict the Pharmacokinetics and Pharmacodynamics of Linezolid in Adults and Children with Tuberculous Meningitis. Carlijn HC Litjens, Laurens FM Verscheijden, Elin M Svensson, Petra HH van den Broek, Hedwig van Hove, Jan B Koenderink, Frans GM Russel, Rob E Aarnoutse, Lindsey HM Te Brake. *Antibiotics (Basel)*. 2023 Apr 3;12(4):702. doi: 10.3390/antibiotics12040702.
3. Feasibility of a Pragmatic PBPK Modeling Approach: Towards Model-Informed Dosing in Pediatric Clinical Care. van der Heijden JEM, Freriksen JJM, de Hoop\_Sommen MA, van Bussel LPM, Driessen SHP, Orlebeke AEM, Verscheijden LFM, Greupink R, de Wildt SN. *Clin Pharmacokinet*. 2022 Dec;61(12):1705\_1717. doi: 10.1007/s40262\_022\_01181\_8. Epub 2022 Nov 11
4. Prediction of Moxifloxacin Concentrations in Tuberculosis Patient Populations by Physiologically Based Pharmacokinetic Modeling. Litjens CHC, Verscheijden LFM, Bolwerk C, Greupink R, Koenderink JB, van den Broek PHH, van den Heuvel JJMW, Svensson EM, Boeree MJ, Magis\_Escurra C, Hoefsloot W, van Crevel R, van Laarhoven A, van Ingen J, Kuipers S, Ruslami R, Burger DM, Russel FGM, Aarnoutse RE, Te Brake LHM. *J Clin Pharmacol*. 2022 Mar;62(3):385\_396. doi: 10.1002/jcph.1972. Epub 2021 Oct 25
5. Differences in P<sub>2</sub>-glycoprotein activity in human and rodent blood\_brain barrier assessed by mechanistic modelling. Verscheijden LFM, Koenderink JB, de Wildt SN, Russel FGM. *Arch Toxicol*. 2021 Sep;95(9):3015\_3029. doi: 10.1007/s00204\_021\_03115\_y. Epub 2021 Jul 15

6. Physiologically based pharmacokinetic/pharmacodynamic model for the prediction of morphine brain disposition and analgesia in adults and children. Verscheijden LFM, Litjens CHC, Koenderink JB, Mathijssen RHJ, Verbeek MM, de Wildt SN, Russel FGM. *PLoS Comput Biol.* 2021 Mar 4;17(3):e1008786. doi: 10.1371/journal.pcbi.1008786. eCollection 2021 Mar
7. Rapid Implementation of Model-Based Dosing Recommendations During the Coronavirus Disease 2019 Pandemic. de Wildt SN, Verscheijden LFM, van der Zanden TM. *JAMA Pediatr.* 2021 Apr 1;175(4):432-433. doi: 10.1001/jamapediatrics.2020.5395
8. Developmental patterns in human blood-brain barrier and blood-cerebrospinal fluid barrier ABC drug transporter expression. Verscheijden LFM, van Hattem AC, Pertijs JCLM, de Jongh CA, Verdijk RM, Smeets B, Koenderink JB, Russel FGM, de Wildt SN. *Histochem Cell Biol.* 2020 Sep;154(3):265-273. doi: 10.1007/s00418-020-01884-8. Epub 2020 May 24
9. Chloroquine Dosing Recommendations for Pediatric COVID-19 Supported by Modeling and Simulation. Verscheijden LFM, van der Zanden TM, van Bussel LPM, de Hoop-Sommen M, Russel FGM, Johnson TN, de Wildt SN. *Clin Pharmacol Ther.* 2020 Aug;108(2):248-252. doi: 10.1002/cpt.1864. Epub 2020 May 21
10. Physiologically-based pharmacokinetic models for children: Starting to reach maturation? Verscheijden LFM, Koenderink JB, Johnson TN, de Wildt SN, Russel FGM. *Pharmacol Ther.* 2020 Jul;211:107541. doi: 10.1016/j.pharmthera.2020.107541. Epub 2020 Apr 1
11. Toxicokinetics of a urinary metabolite of tebuconazole following controlled oral and dermal administration in human volunteers. Oerlemans A, Verscheijden LFM, Mol JGJ, Vermeulen RCH, Westerhout J, Roelvelde N, Russel FGM, Scheepers PTJ. *Arch Toxicol.* 2019 Sep;93(9):2545-2553. doi: 10.1007/s00204-019-02523-5. Epub 2019 Jul 29
12. Development of a physiologically-based pharmacokinetic pediatric brain model for prediction of cerebrospinal fluid drug concentrations and the influence of meningitis. Verscheijden LFM, Koenderink JB, de Wildt SN, Russel FGM. *PLoS Comput Biol.* 2019 Jun 13;15(6):e1007117. doi: 10.1371/journal.pcbi.1007117. eCollection 2019 Jun
13. Fluorescence-Based Transport Assays Revisited in a Human Renal Proximal Tubule Cell Line. Caetano-Pinto P, Janssen MJ, Gijzen L, Verscheijden L, Wilmer MJ, Masereeuw R. *Mol Pharm.* 2016 Mar 7;13(3):933-44. doi: 10.1021/acs.molpharmaceut.5b00821. Epub 2016 Feb 23

#### Projects

Co-promotor PhD project: The potential of modelling and simulation as an alternative for clinical pharmacokinetic studies in generic Marketing Authorisation Applications

#### Memberships

Dutch Pharmacological Society

Dutch Society of Toxicology

#### Other Relevant Information