

Marian Klose

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Personal information

Date of Birth 04-22-1996
Nationality German
Marital status Single

Education

2022 **License to practise as a pharmacist**, LaGeSo Berlin.
2017 – 2021 **Pharmacy studies**, Freie Universität Berlin.
Duration: 8 semesters | GPA 3.7
2015 – 2017 **Chemistry and Biochemistry studies**, FU und HU Berlin.
Duration: 3 semesters | GPA 2.7
2006 – 2014 **Secondary school**, St. Ursula Gymnasium Attendorn.
Approved private school | GPA 3.1

Work experience

Oct 22 - Dec 22 **Intern**, *Boehringer Ingelheim TMCP Data Science*, Dr. Alejandro Perez Pitarch.
Building up a code library for various modelling and simulation approaches, adjust reporting tool for code library.

Nov 21 - April 22 **Short-term scholar**, *Center for Pharmacometrics and Systems Pharmacology (University of Florida)*, Prof. Stephan Schmidt & Prof. Rodrigo Cristofolletti.
PBPK Modelling & Simulation to investigate drug-drug- and gene-drug-interactions of oxycodone.

May 21 - Oct 21 **Pre-registration pharmacist**, *Medios Apotheke an der Charite*, Katharina Drus.
Internship in a community pharmacy.

Jul 20 - Mar 20 **Teaching assistant**, *Charité University hospital Berlin*, Prof. Stefan Bereswill.
Support in execution of the lab exercises and conducting the oral exams in the lab course 'Medical microbiology, virology and infection prevention'

- Dec 17 - Dec 19 **Student assistant**, *PharMetrX program*, Prof. Charlotte Kloft.
Support in the planning and implementation of the PharMetrX anniversary and other administrative support.
- Aug 19 - Sep 19 **University internship**, *PharMetrX program*, Ferdinand Weinelt.
Modeling and simulation of concentration-time profiles of meropenem in critically ill patients.
- Sep 18 - Oct 18 **Industry internship**, *Sanofi*, Dr. Ashley Strougo, Modeling & Simulation.
Support in writing a white paper about challenges and opportunities in the application of M&S in pediatric patients with type 2 diabetes.

Miscellaneous

- 2019 – 2021 **Student member of the institute council**, *Freie Universität Berlin*, Institut of pharmacy.
Representation of students interests in the institute council.
- 2017 – 2021 **Member of the students council**, *Freie Universität Berlin*, Institut of pharmacy.
Supporting various projects.
- 2017 – 2021 **Elected speaker of the semester and treasurer**, *Freie Universität Berlin*, Institut of pharmacy.
Organisation of semester affairs and finance. Mediation between students and lecturers.
- 2014 – 2015 **Work and Travel**, Australia, New Zealand, Asia.
Duration: 12 months

Language skills

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|---------|---------------|
| German | Native |
| English | Fluent |
| Latin | Basic |

Computer skills

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|-----------------|----------------------------|---------------------|
| Office | Microsoft Office | <i>intermediate</i> |
| | LaTeX | <i>intermediate</i> |
| Pharmacometrics | GastroPlus | <i>intermediate</i> |
| | Monolix | <i>beginner</i> |
| | MatLab / SimBiology | <i>beginner</i> |
| Programming | R | <i>intermediate</i> |
| | Python | <i>beginner</i> |

Publications, Abstracts and Poster

- **Klose M**, Schmidt S, Cristofolletti R. *The Impact of UGT2B7 and CYP2D6 Gene-Drug- and CYP-mediated Drug-Drug-Interactions on Oxycodone and Oxymorphone Pharmacokinetics using PBPK Modelling* ACoP13 (2022) PBPK-413 [www.go-acop.org/?abstract=413]
- Michelet R, Weinelt F, **Klose M**, Mc Laughlin A, Kluwe F, Montefusco-Pereira C, Van Dyk M, Vay M, Huisinga W, Kloft C, Mikus G. *Using microdose-based activity measurement to individualise dosing of cytochrome P450 metabolised drugs: a case study with yohimbine and tamoxifen*. PAGE 29 (2021) Abstr 9807 [www.page-meeting.org/?abstract=9807]
- Liebchen U, **Klose M**, Paal M, Vogeser M, Zoller M, Schroeder I, Schmitt L, Huisinga W, Michelet R, Zander J, Scharf C, Weinelt FA, Kloft C. *Evaluation of the MeroRisk Calculator, A User-Friendly Tool to Predict the Risk of Meropenem Target Non-Attainment in Critically Ill Patients*. Antibiotics. 2021; 10(4):468. <https://doi.org/10.3390/antibiotics10040468>

Courses and Training

- 2022. Pharmacometrics Spring School: Modeling Using MonolixSuite. Lixoft. One week of training.
- 2022. MATLAB/SimBiology workshop: Introduction on PBPK modeling using SimBiology.
- 2021. Python: Data Science, Machine Learning & Neural Networks. Udemy. 29.5 total hours.