Viktor Rognås

Pharmacometric Engineer (Uppsala) available from April 2023

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ABOUT ME

My current contract ends at the end of March and I am loking for new opportunities (projects/employment) within the pharmacometric field, or adjacent. Currently I am enrolled in the interdisciplinary <u>Uppsala</u>

<u>Antibiotic Center</u> research school at Uppsala University. I am exploring new statistical methods for assessing antibiotic efficacy in humans. My academic supervisors are Prof. Lena E Friberg, Prof. Mats O Karlsson.

COURSES I HAVE ATTENDED

Pharmacometric Modeling of Composite Score Outcomes

Uppsala University 2020 (2 days)

Uppsala Pharmacometric Summer School

Uppsala University 2019 (10 days)

Pharmacometric Statistics

TACA Training, Dublin 2019 (3 days)

Clinical Trials Epidemiology

Uppsala University 2020 (5 days)

Introductory course on Antimicrobial Resistance

Uppsala Antibiotic Center 2018 (2 days)

Scientific Presentation

Uppsala University 2018 (7 days)

Advanced Population Model Building, Evaluation and Usage in NONMEM

Uppsala University 2020 (3 days)

Sheiner/Rowland Advanced PKPD

Sils Maria 2018 (5 days)

Advanced Methods in NONMEM 7.5

ICON plc, PAGE Ljubljana 2022 (1 day)

Antibiotic Resistance in Humans, Animals and the Environment

Uppsala Antibiotic Center 2018 (2 days)

Antibiotic Use & Human Behaviour

Uppsala Antibiotic Center 2018

The Economics of Antibiotics

Uppsala Antibiotic Center 2019 (2 days)

EXPERIENCE

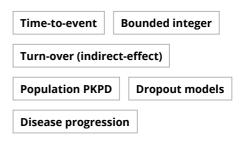
Internship: Clinical Pharmacometrics

F. Hoffmann-La Roche Ltd 09/2021 - 02/2022 Basel, Switzerland

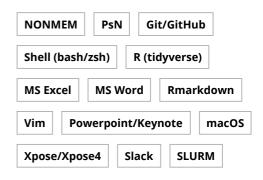
- Carried out exploratory statistical and graphical analyses of data sets of two compounds from different trials.
- Developed a model that simultaneously describes the time course of several variables involved in the development of red blood cells.
- Explored the inclusion of a blood sampling effect and tolerance effect.
- Presented my work to the Clinical Pharmacometrics Project Forum, attended by more than 25 experts as well as to a non-technical audience.
- · Delivered a technical report describing the work and the results.

SKILLS I HAVE ACQUIRED

Modeling experience



Tools I know how to use



FORMAL EDUCATION

Ph.D. Pharmaceutical Sciences

Uppsala University 09/2017 - Ongoing

- Pharmacometrics
- · Antimicrobial resistance

M.Sc. Chemical Engineering

Uppsala University 08/2015 - 06/2017

Pharmaceutical sciences

B.Sc. Technology

Uppsala University 08/2011 - 06/2014

Minor in mathematics

School of Entrepreneurship

Uppsala University 08/2016 - 06/2017

- · Commercializing academic research
- Leadership, marketing, and business strategy

Molecular & Cellular Biology

University of Colorado 08/2014 - 05/2015 Boulder, CO

- Differential equations
- · Engineering management

EXPERIENCE

Teacher: Pharmacokinetics and Statistics

Uppsala University 11/2017 - Ongoing

- · 20% of my Ph.D. studies devoted to teaching
- Instructed up to 80 students individually and in groups

PROJECTS I HAVE SUPERVISED

Model-based analysis of change in kidney function over time in critically ill patients

08/2019 - 01/2020

M.Sc. Pharmacy

- · Coached and mentored student to attain the highest grade
- · Inspired the student to search and apply for a PhD in the field

Review on Colistin Pharmacokinetics

10/2020 - 12/2020

B.Sc. Pharmacy student

· Inspired the student to search and apply for a M.Sc. in the field

VOLUNTEERING

Journal Club Organizer

Pharmacometric Research Group

2020 - 2021 Uppsala University

Every four weeks I host a Journal Club devoted to Antibiotic Research

Member of the Board

Department of Pharmaceutical Biosciences

Member of the Board

AAPS Chapter Association

LANGUAGE SKILLS

Swedish Native English Fluent

FIND ME ONLINE

Description of my PhD

uac.uu.se/uac-research/colistinpkpd

in LinkedIn

linkedin.com/in/vrognas

GitHub

github.com/vrognas

Personal blog vrognas.com

Twitter

twitter.com/vrognas

YouTube

youtube.com/channel/UCWMSCL i5EXR-vsZtRYF3xYA

REFERENCES

Professor Lena E. Friberg

lena.friberg@farmaci.uu.se

Dr. João Abrantes

joao.abrantes@roche.com

AWARDS

Pharmaceutical Students Association award for Student Treatment

Studierådets pris för studentbemötande

ORIGINAL WORK

An integrated semi-mechanistic model to predict the outcome of drug-target effects on the erythropoietic system

PAGE 2022 | Ljubljana, Slovenia

V Rognås et al.

https://www.page-meeting.org/?abstract=10044 Semi-mechanistic population PKPD model describing the developemnt of red blood cells

Turn-over model characterizing effect of colistin on serum-creatinine in critically ill patients

PAGE 2021 | Online, In the cloud

V Rognås et al.

www.page-meeting.org/?abstract=9869

Indirect-effect model of drug effect on kidney function

Population pharmacodynamics of colistin and meropenem in critically ill patients infected with carbapenem-resistant bacteria

Clinical Microbiology and Infection

AN Kristoffersson, MJE Brill, V Rognås, et al. 03/2020 https://doi.org/10.1016/j.cmi.2020.03.016 Time-to-event and PK modeling

Bounded Integer approach to model time-varying SOFA scores from patients with carbapenem resistant infections

PAGE 2019 | Stockholm, Sweden

V Rognås et al.

www.page-meeting.org/?abstract=9052

Bounded Integer model for composite total scores