



UPPSALA
UNIVERSITET

PhD student in the area of Pharmacometrics - Global Health

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Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 54,000 students, more than 7,500 employees and a turnover of around SEK 8 billion.

The Department of Pharmacy at Uppsala University has an interdisciplinary environment at the center of the pharmaceutical arena. With frontline research, first-rate education and extensive collaborations we constitute a driving force in the development of our academic field. In this inspiring environment our rich diversity of research groups, several of international prominence, develop and conduct work of great scientific importance. Among our core competences are computational modelling and simulations, PKPD, in vitro ADME models, advanced in vivo methods, as well as patient and societal aspects, from optimizing the use of drugs in individuals to societal pharmaceutical policies. Together, we form a unique cluster of academic competences within pharmaceutical science, playing a key role in shaping the future of pharmacy in both Sweden and globally.

Our scientific focus areas include

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Pharmacy

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Duties

A doctoral position on the topic of translational pharmacokinetics and pharmacodynamics is available in the research area of pharmacometrics, within the theme global health and neglected tropical diseases, at the Department of Pharmacy.

The overall aim is to develop pharmacokinetic-pharmacodynamic (PKPD) and physiologically-based pharmacokinetic (PBPK) models for the preclinical-to-clinical translation of various novel oral drugs for the neglected tropical disease cutaneous leishmaniasis.

Within the project, model-based methods and tools will be developed to characterize exposure-response relationships in animal infection models of cutaneous leishmaniasis and translate these relationships to human to inform future clinical trials with these compounds. To enable future interspecies translation and prediction of human efficacious dosages in skin infections, novel PBPK models will be developed focused on translation of systemic and skin pharmacokinetics in murine infection models to human.

Requirements

The applicant should have an MSc degree in a relevant area, such as pharmaceuticalsciences, medicine or engineering with minimum 240 credits or alternatively a Master in Pharmaceutical Modelling or in Drug Development, including courses in pharmacokinetics, physiology, pharmacology, modelling and programming (e.g. in R or NONMEM).

We place great emphasis on personal suitability, high motivation and a genuine interest for research in the field of physiologically-based pharmacokinetics (PBPK), pharmacokinetics-pharmacodynamics, pharmacometrics, and translational science. Previous experience with PBPK modelling software such as PK-Sim and Mobi is essential. Experience of research in translational science and global health is a merit. The applicant is expected to have excellent skills in oral and written English. The applicant should also have good collaboration skills and demonstrated capability to

conduct a scientific project in a structured and methodological manner since the project involves interaction between different research groups in the context of international collaboration.

Further information about the research-level education, eligibility requirements, and admission regulations can be found at [Research training programmes](#). Applications will be ranked by the supervisors in consultation with the Department Research-level Education group. The committee for Research-level Education at the Disciplinary Domain of Medicine and Pharmacy will admit the PhD student. Salaries will follow local guidelines at Uppsala University. Rules governing PhD candidates are set out in the Higher Education Ordinance Chapter 5, §§ 1-7 and in Uppsala university's rules and guidelines [Policies and regulations](#). The holders of PhD student position primarily devote their time to own research-level education. Other duties at the Department involving teaching and administrative tasks maybe included in the framework of the position (max 20%). The PhD program normally lasts for 4 years research, plus maximally one year of teaching.

About the employment

The employment is a temporary position according to the Higher Education Ordinance chapter 5 § 7. Scope of employment 100 %. Starting date 1 March 2023 *or as agreed*. Placement: Uppsala

For further information about the position, please contact: Associate Professor Thomas Dorlo, thomas.dorlo@farmaci.uu.se .

For questions around the employment, please contact personnel coordinator Pernilla Larsson pernilla.larsson@farmaci.uu.se .

Please submit your application by 20 February 2023, UFV-PA 2023/177.

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Please do not send offers of recruitment or advertising services.

Submit your application through Uppsala University's recruitment system.

Placement: Department of Pharmacy

Type of employment: Full time , Temporary position longer than 6 months

Pay: Fixed salary

Number of positions: 1

Working hours: 100 %

Town: Uppsala

County: Uppsala län

Country: Sweden

Union representative: ST/TCO tco@fackorg.uu.se

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Saco-rådet sacco@uadm.uu.se

Number of reference: UFV-PA 2023/178

Last application date: 2023-02-20

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