**Physiologically- and mechanism-based Biosimulation Services, Software and Training**

**ESQlabs GmbH**

esqlabs
we empower life sciences


Am Sportplatz 7
26683 Saterland - Germany

+49 151 58559070

info@esqLABS.com

www.esqlabs.com

## Company

Founded in 2017, ESQlabs provides modelling and simulation services for data analysis and model-based decision support throughout the healthcare and chemicals industry. The company focuses on research and development (R&D) consultancy services and solutions using physiologically based (PBPK) and quantitative systems pharmacology (QSP) modelling and simulation.

## Products and technologies

ESQlabs leverages open-source computational tools (OSP-Suite) for the analysis of in-vitro, animal in-vivo and human in-vivo data to provide translational insights to R&D teams on the mode-of-action of the clinical effect of drug therapies and the toxicity of chemicals. Services include, but not limited to:

- Preclinical / clinical PBPK model development (IVIVE, First in Human dose prediction, species extrapolation)
- Special populations: Organ impairment studies and PBPK-Based paediatric investigations
- Drug-drug interactions (DDI) investigations

## Strengths

At ESQlabs we leverage and bring expert consulting to open-source tools. This allows greater transparency and sharing of our modelling approach.
We also provide knowledge and teaching through education with over 300+ students from academia and industry who followed our courses, and over 600+ certificates already issued.
Our team provides the flexibility and adaptiveness necessary, and bring a problem-oriented solving mindset to tackle the challenges we develop with our clients.

## Target clients

ESQlabs would particularly like to arrange conversations and 1:1s with organisations that operate in either the pharmaceutical or chemical industry. This would also include earlier stage pharma/biotechnology companies and CRO (contract research organisations) that provide experimental assessment services to these industries.