

## Job Announcement

### Postdoctoral Researcher in Epidemiology and Infectious Disease Modeling

**Location:** Clinical Pharmacy Group, Saarland University, Saarbrücken Campus, Germany

**Project Overview:** As part of the EU-funded project EUVABECO (European Vaccination Beyond Covid-19), our team at the Clinical Pharmacy Group is seeking a Postdoctoral Researcher to join a dynamic project team aiming to enhance vaccination strategies across Europe. The project involves the further development and adaptation of the COVID-19 Simulator (<https://covid-simulator.com>), a mathematical tool developed at Saarland University that has significantly contributed to managing the pandemic through data-driven insights.

#### Job Responsibilities:

- Expand and adapt the COVID-19 Simulator for various countries and pathogens.
- Conduct simulation-based studies to assess and optimize vaccination strategies.
- Implement simulation tools as online services to enhance accessibility and utility.
- Analyze data related to COVID-19 and other pathogens, using both public and in-house datasets.
- Collaborate with international partners for comprehensive data collection and integration.
- Publish and present research in prestigious journals and at international conferences.
- Supervise PhD and Master students involved in related research projects.

#### Requirements:

- PhD in Epidemiology, Pharmacometrics, Biostatistics, Computer Sciences, or a closely related field.
- Strong programming skills, preferably in R, NONMEM, or Python.
- Experience in infectious disease modeling using SEIRS, network and/or agent-based modeling is highly desirable.
- Excellent communication skills in English, both written and spoken.
- Ability to work independently and as part of a multidisciplinary team.

#### What We Offer:

- A two-year fixed-term contract with the possibility of extension, starting immediately.
- A competitive salary at 100% E13 TVöD level (according to German public sector regulations).
- Integration into a dynamic, internationally connected research team.
- Opportunities for professional development, including training in pharmacometric projects.
- Access to state-of-the-art research infrastructure and data sources.
- Support for attending international conferences and continuous professional development.

**Application Process:** Interested candidates should submit their complete application documents, including a cover letter, CV, copies of relevant certificates, and references, as a structured PDF file (not exceeding 8 MB). Applications should be sent by May 4, 2024, to [thorsten.lehr@mx.uni-saarland.de](mailto:thorsten.lehr@mx.uni-saarland.de). For more information about the position and our research group, please visit our website at [www.clinicalpharmacy.me](http://www.clinicalpharmacy.me) or contact Thorsten Lehr directly.