

As a dynamic and energetic company, SysBioSim offers various Systems Biology services via state of art modeling, specially designed platforms and detailed simulations for various fields of life sciences. The company and the team are dedicated to offer smart and fast solutions to the customers from academia and industry for their research and development projects and needs. Our services help our customers to better define their research and development programs, to better allocate their resources within their programs and to achieve desired results faster. We are committed to offer high quality services and custom solutions to our partners.

## Senior Scientist – Systems Biology

### Key Responsibilities

- Defining systems biology approach and simulations for various research questions
- Designing and conducting (metabolic) models for internal and customer projects, including the parameter identification and model optimization
- Demonstrating the predictive power of the models with respect to real life data
- Striving for continuous improvement in development and execution of models
- Leading the scientific discussions with the scientists in collaboration working at the partnering companies or institutes
- Executing and coordinating projects
- Integrating prior knowledge and omics data to the projects
- Taking a senior and team leader role

### Country

Netherlands

### Location

Leiden

### Experience

Senior

### Contact

[careers@sysbiosim.com](mailto:careers@sysbiosim.com)

### Qualifications

- PhD in Systems Biology (or in a relevant discipline such as metabolic modeling, metabolic engineering or bioinformatics)
- Demonstrated good knowledge of and hands on experience with mathematical modeling and simulations in life sciences
- Good knowledge of and hands on experience with existing models and model platforms
- Good understanding of the needs of the customers from pharmaceutical, health and food ingredients and functional food industries as well as academia
- Good knowledge of pharmacokinetics and pharmacodynamics (PK/PD), drug development process, animal and clinical studies
- Ability to work on diverse life sciences topics
- Ability to develop simple and practical approaches for complex biological problems
- Good analytical abilities
- Solid mathematical background and programming abilities (experience with Java, Matlab, R, Python or other software)
- Good knowledge of data, network and biostatistics analysis
- Excellent command of written and spoken English

### Offer

SysBioSim offers a dynamic and challenging environment with opportunities for professional and personal development. The Senior Scientist position presents excellent opportunities to contribute to the scientific strategies of the company and to grow with the growing start-up company. If you are enthusiastic about this role, you can apply by sending your CV and your cover letter to [careers@sysbiosim.com](mailto:careers@sysbiosim.com).