Bachelor/Master Project
Structural Identifiability

Group of Jens Timmer:
Data Analysis and Modeling of Dynamic Processes in the Life Sciences

Assess and implement new methods for structural identifiability analysis

Main papers

Wieland et. al, On structural and practical identifiability, COiSB (2021)
Joubert et. al, An efficient procedure to assist in the re-parametrization of structurally unidentifiable models, Math Biosci (2020)

What you will learn about

- Ordinary differential equations (ODEs)
- Coding in Matlab
- Performance analysis methods
- Statistical methodology
- Cell signalling pathways
- Intersection of math, physics and biology

Expectations

- Motivation to learn
- Interest in math, statistics and coding
- Sense of humor

Questions? Just contact: jeti@fdm.uni-freiburg.de