

Bachelor/Master Project

Structural Identifiability



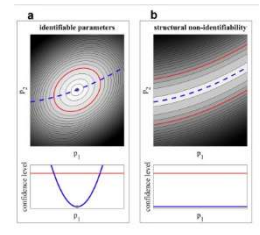
The group

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



Your topic

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)

Statistical
methodology

Coding in Matlab

Cell signalling
pathways

Performance analysis
methods

Intersection of math,
physics and biology

Expectations

Motivation to learn

Interest in math,
statistics and coding

Sense of humor

