



Pharmaceutical Research Project WS 2017/18

Clinical Pharmacy & Biochemistry

Contact person: Ana-Marija Grišić, 838-50662, Room 130A,
E-Mail: ana-marija.grisic@fu-berlin.de

SIMULATION STUDY: ADALIMUMAB IN INFLAMMATORY DISEASES [SADA]

Description/tasks

Monoclonal antibodies are increasingly used in the treatment of inflammatory diseases (such as inflammatory bowel disease). Accordingly, identification of dosing strategies that will result in maximum achievable benefit for patients is of high interest. Pharmacometric approaches enable *in silico* investigation of alternative dosing strategies in virtual patient populations and their comparison, based on which clinically relevant treatment recommendations can be made.

This Pharmaceutical Research project within the MSc “Pharmaceutical Sciences” consists of the following work packages:

- (1) Familiarisation with the drug characteristics (in particular pharmacokinetics; PK) and the research question the project is addressing,
- (2) Understanding of the principles of non-linear mixed-effects modelling and familiarisation with relevant software packages (e.g. NONMEM, Pirana, ...),
- (3) Execution of simulations based on a published PK model and comparison of different dosing adjustments,
- (4) Interpretation of the simulation results and report writing.

Note: The literature, communication and the final project report will be in English.

Beginning and duration: possible from mid January 2018, 8 weeks (full time)

Requirements:

Very good English language skills
Interest in science, pharmacometrics, inflammatory diseases, therapeutic proteins
Enrollment in the MSc Pharmaceutical Sciences program

Application:

Please apply until 08 Jan. 2018 per E-Mail to Luis Ilija (luis.ilia@fu-berlin.de, CC: charlotte.kloft@fu-berlin.de). The application must include a letter of motivation, CV and relevant credentials. Please refer to [SADA] project code in your application.