



Wahlpflichtfach WiSe 2024/25 bis SoSe 2025

Abt. Klinische Pharmazie & Biochemie

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PREGNANCY AND ITS IMPACT ON PHARMACOKINETICS OF MONOCLONAL ANTIBODIES – LITERATURE REVIEW [PREGNANCY]

Beschreibung, Aufgaben/Description, tasks:

Monoclonal antibodies (mAb) revolutionised the treatment of immune-mediated inflammatory diseases (IMIDs) such as inflammatory bowel disease (IBD) or rheumatoid arthritis (RA) where remission finally became achievable. Even though these diseases affect more women than men and are diagnosed during reproductive age, little is known about the pharmacokinetics (PK) of these drugs in pregnancy. The students will perform a literature review on the physiological changes happening in pregnancy and its impact on the pharmacokinetics of mAb. The placental transfer of both endogenous immunoglobulins G (IgG) and mAb will also be explored.

Lernziele, Methoden/Learning objectives:

- Performing literature review and utilising literature review tools (Research rabbit, Zotero)
- Understanding the relationship between physiological changes in pregnancy and PK of mAbs
- Understanding placental transfer and impact of mAbs on the safety of newborns

Voraussetzungen/Requirements:

- Interest in the topic
- Reliability, progress documentation

Beginn/Start	nach Absprache/as per agreement
2 Studierende/students	Studierende ab dem 5. Semester (Studierende des 7. und 8. Semesters werden bevorzugt) / Students from the 5 th semester/Students in the 7 th or 8 th semester
Anmeldung/Registration	Ab sofort bis spätestens 29.11.2024 per E-Mail an / Until 29.11.2024 by e-mail to Prof. Dr. Kloft (charlotte.kloft@fu-berlin.de und CC an ingo.siebenbrodt@fu-berlin.de) mit kurzer Bewerbung einschl. Darlegung der Motivation für das Wahlpflichtfachthema: PREGNANCY / with a short application presenting your motivation for the topic and including the subject: PREGNANCY