

Biopharmacy

Topic list 2013/2024 autumn semester

- 1.** Topic and general approach of biopharmacy
- 2.** LADME system
- 3.** Biopharmaceutical Classification System
- 4.** Pharmacokinetic background of biopharmacy, bioavailability
- 5.** Biopharmaceutical background of liberation
- 6.** In vitro drug release tests
- 7.** Evaluation of drug release tests
- 8.** Types of drug release, biopharmaceutical aspects
- 9.** Membrane transport processes
- 10.** Relationship between degree of ionisation and absorption
- 11.** Absorption of parenteral medicines
- 12.** Absorption of peroral medicines
- 13.** Absorption of rectally administered medicines
- 14.** Absorption of transdermal medicines
- 15.** Special biopharmaceutical cases
- 16.** Process of distribution
- 17.** Process of metabolism
- 18.** Process of excretion
- 19.** Biopharmaceutical aspects of drug research and development
- 20.** Generic drug development