



**Karolinska
Institutet**

Individual drug dosage in patient care and during clinical drug development: application of pharmacokinetic/-dynamic concepts

Course number: 2625, apply no later than May 15, 2012

Language: English

Date: 2 weeks of PhD course with physical attendance 2012-11-05—2012-11-16 at Karolinska Institutet (Karolinska University Hospital Huddinge) and with total one week for preparatory work and home-examination.

Aims: After the course the student will -understand the needs and reasons for individual drug dosage in patient care and during drug development. -be critically trained to read, present and discuss scientific papers on variability in drug response. -apply pharmacokinetic/-dynamic concepts using rich data from individual patients/volunteers—describe the principles for population pharmacokinetic modelling using sparse data sampling strategies.—calculate and understand pharmacokinetic/-dynamic parameters. - be trained to present and discuss own and others research projects.

Learning models: 1. Lectures, 2. Workshops, 3. Seminars, 4. Practical calculation sessions, 6. Presentation of own research, 5. Home-examination.

Student eligibility: PhD students at Karolinska Institutet, Swedish and other collaborating universities. Priority for those in most relevant areas with basic knowledge in the subject.

Information: Apply no later than May 15, 2012 at

<http://kiwas.ki.se/katalog/katalog/kurs/1309>

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