Biochemical Methods including Clinical Chemistry

Lecture-Nr.: 53860  
Type: lab course  
Duration: 7 hours per week (winter and summer semester)  
Method of Assessment: written examination (in combination with lectures “Selected Topics in Biochemistry / Introduction to Clinical Chemistry”, “Biochemical Techniques” and “Introduction to Biotechnology”)  
ECTS Credit Points: 7  

Topics:  
Enzymes: isolation, activities, kinetics, inhibition, reagents and surrogate markers in clinical chemistry. DNA: isolation, purification, characterization, quantification, hyperchromicity, PCR Radiochemical analysis (ligand receptor binding), hemoglobin: quantitative determination and derivatisation, urine analyses. Peptide analysis, electrophoresis including micellar electrokinetic chromatography, drug metabolism, enzyme induction  

Literature:  
1. Practical instructions provided as course material  

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