

## SYLLABUS

<b>Subject:</b>	<b>USE OF INTERNET DATABASES IN BIOCHEMISTRY</b>		
<b>Field of study:</b>	<i>General Medicine</i>	<b>Degree of study:</b>	<i>III.</i>
<b>Study programme:</b>	<i>Clinical Biochemistry</i>	<b>Form of study:</b>	<i>Internal / External</i>
<b>Subject evaluation:</b>	<i>Exam</i>	<b>Subject type:</b>	<i>Elective course</i>

Department: **Department of Medical and Clinical Biochemistry UPJŠ FM**

### *Lectures and seminars*

#### **DATABASES AND THEIR USE IN SCIENTIFIC RESEARCH**

- Universal databases (e.g., REBASE, Entrez-Protein, PIR, BRENDA)
- Databases based on the registration of NK data (e.g., sequence, function, recognized domains)
- NA sequence databases (e.g., NA-EMBL, GenBank, DDBJ)
- Protein sequence databases (e.g., SwissProt, TREMBL, GenPept)
- Structural and structure classification databases (e.g., PDB, COG, SCOP, CATH)
- Databases functional (e.g., ExPAS, KEGG)
- Domain databases (e.g., InterPro, PROSITE)
- Purpose databases (e.g., HPRD, OMIM, HGMD)