

INFORMATION SHEET OF THE SUBJECT

Code: LMPe10 **Name:** Science-research and Publishing Activity in the Laboratory Medicine

Cover: Department of Theoretical Disciplines and Laboratory Investigation Methods

Type of educational activity: Lecture	Number of credits: 15	Recommended semester: ST
Scope of educational activity (in hours): Weekly: - For term of study: LS 48		Study grade: PhD. Study
Method of educational activity:		

Recommended semester	Study programme
1.year ST	Laboratory Medicine (E3-LVMvZ-22)

Underlie subjects:

Conditions for passing the course:
Method of evaluation: Completion by taking an examination
Continuous evaluation: none
Final evaluation: - The evaluation consists of submission the semestral work summarizing his research and his scientific and research background with a connection to laboratory medicine and the methods which are going to be used.
 Evaluation: A: 100 – 95%; B: 94 – 89%; C: 88 – 83%; D: 82 – 77%; E: 76 – 71%; FX: 70% and less
Finished: exam - semestral work

Learning outcomes:
 VV1 The student will understand the meaning and objectives of scientific research in laboratory medicine
 VV2 The student will understand the concept of evidence-based medicine
 VV3 The student will be able to orientate in basic types of medical studies and the value of the scientific evidence, which these contribute
 VV4 The student will be able to orientate in available scientific grants and possibilities of financing scientific projects, know the basic scientific infrastructure in laboratory medicine
 VV5 The student will be able to search, process and analyze information from various sources
 VV6 The student will be able to practically use library and information services and scientific article databases
 VV7 The student will be able to critically evaluate the quality of available scientific information
 VV8 The student will be able to present and communicate key information from the scientific literature
 VV9 The student will be able to read critically

Schedule of subject:
 1) Evidence-based medicine
 2) Research in laboratory medicine – laboratory studies
 3) Research in laboratory medicine – clinical studies
 4) Research in laboratory medicine – field studies
 5) Critical reading
 6) Scientific communication
 7) Scientometrics
 8) Bibliometrics
 9) Research databases
 10) Standard research reporting procedures – STROBE, PRISMA, CONSORT, ORION, RECORD, GATHER, ARRIVE
 11) Applied research in laboratory medicine – examples from practice I.
 12) Applied research in laboratory medicine – examples from practice II.

Recommended reading:
 1) HLAVATÝ, T.: Základy klinického výskumu. GRADA, 2016, ISBN 9788024757131.
 2) HULÍN, I. et al.: O vedeckom bádani v medicíne, UNIBA, 2014 /online:
https://www.fmed.uniba.sk/fileadmin/lf/sluzby/akademicka_kniznica/PDF/Elektronicke_knihy_LF_UK/O_vedeckom_badani.pdf

Language requirements: Slovak

Notes:
 Method of teaching: combined (attend, on-line, distance, self-study)
 Self-study is supported by the e-learning form.
 100% participation is required.

Course evaluation:
 Assessed students in total: 3

A	B	C	D	E	FX
100%	0%	0%	0%	0%	0%

Lecturers:

RNDr. Vojtech Boldiš, PhD., lecturer, examiner

Date of last change: 01.09.2025

Approved by: prof. RNDr. František Ondriska, PhD.