

**Study Programme: P0912D350146 - Molecular and Translational Medicine**
**Academic Year: 2023/2024**
**Credit limit: 240**
**Specialization: Molecular and Translational Medicine**
**Version: 2023**
**Studies: Combined**
**Credit limit: 240**
**Obligatory subjects - specialized (A)**
**Number of courses: 1 credits: 25**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/A101	Molecular and Translational Medicine		25	0+0+20S	Zk	3

**Elective subjects - specialized (B)**
**Selection min.: 20 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B101	Experimental Medicine		20	0S+0S+20S	Zk	2
DSPL/B102	Research and Development of Innovative..		20	0S+0S+20S	Zk	2
DSPL/B103	Research and Development of Biomarkers..		20	0S+0S+20S	Zk	2
DSPL/B104	Radiopharmaceuticals: Diagnosis & Treat.		20	0S+0S+20S	Zk	2

**Optional subjects - specialized (C)**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/C120	Molecular Oncology		2	0+0+10S	Zk	2
DSPL/C121	Aging: Molecular and Clinical Aspects		2	0+0+10S	Zk	2
DSPL/C122	Animal Models of Human Diseases		2	0+0+10S	Zk	2
DSPL/C123	Translational Research in Rare Diseases		2	0+0+10S	Zk	2
DSPL/C124	Basics of Medicinal Chemistry		2	0+0+10S	Zk	2
DSPL/C125	Forensic Medicine		2	0+0+10S	Zk	2
DSPL/C126	DNA Damage and Possibilities of Their...		2	0+0+10S	Zk	2
DSPL/C127	Fundamentals of Translational Neurosc...		2	0+0+10S	Zk	2
DSPL/C128	Basics of Data Management & Biomedical..		2	0+0+10S	Zk	2
DSPL/C129	Bioinformatics in Translational Research		2	0+0+10S	Zk	2

**Obligatory subjects - basic (A)**
**Number of courses: 5 credits: 38**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/AC001	Foreign Language		15	0S+0S+0S	Zk	1
DSPL/AC020	Teaching Practice		15	0S+0S+0S	Zp	1
DSPL/AC040	Congress Presentation with an Abstract		8	0S+0S+0S	Zp	1
DSPL/A010	Participation in a Grant Project		0	0S+0S+0S	Zp	1
DSPL/A990	State Doctoral Exam		0	0S+0S+0S	Sdz	1

Each of the students is to choose the "Foreign Language" individually: either English or German. 15 credits for "Teaching Practice" can be acquired only once during the whole course of studies. Credits for "Congress Presentation with an Abstract" can be acquired only by the student, who is stated as the first author and who submits a photocopy of the published abstract. The studies are concluded by the state doctoral exam and the defence of the dissertation thesis.

**Elective subjects - specialized subjects - introductory course - basic (B)**
**Selection min.: 8 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B001	Exploiting Literature Databases		2	0S+0S+4S	Zp	1
DSPL/B002	Research Grant Proposal and Management		2	0S+0S+4S	Zp	1
DSPL/B003	Ethics and Legislation of Medical Scien.		2	0S+0S+4S	Zp	1
DSPL/B004	Applied Statistics in Biomedicine		2	0S+0S+5S	Zp	1
DSPL/B005	Good Clinical Practice		2	0S+0S+4S	Zp	1
DSPL/B006	Evidence-Based Medicine		2	0S+0S+4S	Zp	1
DSPL/B007	Molecular Bases of Diseases 1		2	0S+0S+3S	Zp	1
DSPL/B008	Molecular Bases of Haematoonc. Diseases		2	0S+0S+2S	Zp	1

DSPL/B009	Transfer and Patent Protection of Res...	2	0S+0S+2S	Zp	1
DSPL/B010	Presentation and Marketing Competence	2	0S+0S+4S	Zp	1
DSPL/B017	Molecular Bases of Diseases 2	2	0S+0S+3S	Zp	1
DSPL/B021	Epidemiological Methodology	2	0S+0S+4S	Zp	1

During the whole course of studies the student must acquire a minimum of 8 credits and a maximum of 16 credits in selected subjects.

### Obligatory subjects - basic (B)

Selection min.: 38 cr.

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B901	Original Scientific Publication		10	0S+0S+0S	Zp	1
DSPL/B903	Original Scientific Publication		10	0S+0S+0S	Zp	1
DSPL/B950	Review Article		8	0S+0S+0S	Zp	1
DSPL/B994	Original Scientific Publication in a J.		20	0S+0S+0S	Zp	1

The student must acquire a minimum of 38 credits for publications related to the dissertation thesis published in scientific journals, i.e. the student is obliged to submit at least three publications with the following requirements: at least two publications must be original, the student must be the first author of minimum one original publication published in a journal with IF and of one other publication.

### Optional subjects - specialized subjects - other (C)

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/C021	Individual Research Work		80	0S+0S+0S	Zp	1
DSPL/C031	Research Visit (a Minimum of 3 Months)		30	0S+0S+0S	Zp	1
DSPL/C032	Review Article in a Journal with an IF		15	0S+0S+0S	Zp	1
DSPL/C040	Student Conference Presentation		8	0S+0S+0S	Zp	1
DSPL/C050	Field of Study Seminar Presentation		5	0S+0S+0S	Zp	1
DSPL/C060	Palacký University Internal Grant Proj.		5	0S+0S+0S	Zp	1
DSPL/C061	Grant Project Not Included in Pal. Un.		10	0S+0S+0S	Zp	1
DSPL/C062	Grant Project Included the Czech Central		15	0S+0S+0S	Zp	1

Credits for "Individual Research Work" can be gained during the whole course of studies up to a maximum of 80 credits. Credits for a grant project can be acquired if the student participates in submitting of the given project. Credits for the subject DSPL/C061 "Grant Project Not Included in Pal. Un." can be acquired only until the academic year 2020/2021.

### Optional subjects - specialized course (C)

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/C001	Methods for Mammalian Cell Transform...		2	0S+0S+7S	Zp	1
DSPL/C002A	Molec. Physiology of Malignant Cell-Teory		2	0S+0S+4S	Zp	1
DSPL/C002B	Molec. Physiology of Malignant Cell-Exc.		2	0S+0S+4S	Zp	1
DSPL/C003	Therapeutic Possibilities of Stem Cells		1	0S+0S+3S	Zp	1
DSPL/C004	Molec. Methods in Biomedicine-Genetics-A		1	0S+0S+2S	Zp	1
DSPL/C005	Selected Methods in Experimental Toxic.		2	0S+0S+4S	Zp	1
DSPL/C007	Molec. Methods in Biomedicine-Genetics-B		2	0S+0S+7S	Zp	1
DSPL/C008	Molec. Methods in Biomedicine-Microbiolog		2	0S+0S+7S	Zp	1
DSPL/C009	Molecul. Methods in Biomedicine-Pathology		2	0S+0S+7S	Zp	1
DSPL/C010	Molecul. Methods in Biomedicine-Oncology		2	0S+0S+7S	Zp	1
DSPL/C011	Writing for Publication - The Process		2	0S+0S+0S	Zp	1