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OFFICIAL NOTIFICATION

**Amendment to the examination
regulations in the Master's programme
Molecular and Developmental Stem
Cell Biology at the Faculty of Medicine
of the Ruhr-University Bochum**

22.08.2019

**Amendment to the Regulations in
respect of the Examination concluding
the Master's programme 'Molecular and
Developmental Stem Cell Biology' at the
Faculty of Medicine of the Ruhr-
University Bochum**

22. August 2019

On the basis of Cl. 2, Sec. 4, 64 of the law governing the universities in the state of North Rhine- Westphalia (Hochschulgesetz – HG) of 16.09.2014 (GV.NRW S. 547), last amended by Article 9 of the Service Law Modernization Act of October 17, 2016 (GV. NRW. S. 310), the Ruhr-University Bochum has issued the following regulations in respect of the examinations:

Article I

The examination regulations for the Master's program "Molecular and Developmental Stem Cell Biology" at the Faculty of Medicine of the Ruhr-Universität Bochum dated April 23, 2013 (AB 956), last amended by statute dated September 6, 2016. (AB 1172) is amended as follows:

1. § 5 Sec. 1 shall be replaced by the following new version:

- (1) For the Master's program "Molecular and Developmental Stem Cell Biology" only students can be admitted who
- (a) can prove to have completed a six-semester bachelor's degree or an equivalent bachelor's degree in one of the subjects mentioned in paragraph 2 including the submission of documents on the successful written completion of an experimental Bachelor's thesis or a written term paper on a three-month laboratory internship,
 - b) and can prove both cell biological knowledge to the extent of at least 5 credits from lectures and to the extent of at least 12 credits from practical exercises, as well as molecular-biological-genetic knowledge in the amount of at least 5 credits from lectures and at least 12 credits from practical exercises.
 - c) and have sufficient knowledge of the English language. These are to be demonstrated by TOEFL 95 (internet-based) or IELTS 6.5. The board of examiners will be decided by the examination board.

2. § 6 Sec. 5 shall be replaced by the following new version:

(5) Seminar papers are study performances which are held on a framework topic by a participant in the form of a lecture or an explained graphic presentation in front of the group of participants of the seminar. These are evaluated by the seminar leader as examiner as "passed" or "not sufficient". The assessment of the seminar presentation must be documented in a comprehensible way using a protocol. In case of insufficient performance in the seminar presentation, it must be presented in the following year with a new topic. For the seminar presentation as a partial performance of a module, the regulations in § 10, Paragraph 5 pertain.

3. § 9 Sec. 2 and 5 shall be replaced by the following new version:

(2) As a general rule, coursework and examinations should be taken on the first available date in the semester assigned in the study plan (Annex 1). At the beginning of the particular course, the students are to be informed about the type and number of required performances to be completed and the dates on which they are to be completed. Withdrawal from the examination or course work can only be made upon justified application to the examination board or with a doctor's note.

(5) For practicals, registration is required, the mode of which is determined by the head of the practical and announced by posting. The registration period must be at least 14 days. If possible, deregistration shall be allowed until the beginning of the first partial performance of the practical. The final result of a practical must be completed by the end of the following semester at the latest, otherwise the practical is considered as failed.

4. § 10 Sec. 3 shall be replaced by the following new version:

(3) If a module examination or part module examination is not passed or a part module examination is not completed, it must be repeated at the next possible examination date offered. Students who have failed an examination will automatically be registered for the next date. This applies equally to initial examinations and follow-up examinations. This deadline is extended

1. for the care and upbringing of underage children within the meaning of Section 25 (5) of the Federal Education and Training Assistance Act by three semesters per child,
2. for participation as an elected representative in committees of the university, the student body, the student councils of the student body or the student unions by a total of up to a maximum of four semesters,
3. for the performance of the function of the Equal Opportunity Officer by up to a maximum of four semesters,
4. for the period of time during which the effects of a disability or serious illness extend the duration of studies, and
5. by up to three semesters for the time during which students assume responsibility for close relatives in need of care and nursing support.

If both examinations are not passed, the particular module can be repeated again in the following semester. Passed partial performances will be recognized. For examinations when repeating the module, the conditions and deadlines specified in § 9 apply accordingly. In special cases, the examination board may approve a later examination date upon justified proposal by the student.

5. § 10 Section. 5 shall be deleted, thereby turning (6) into the new (5).

6. § 12 Section. 4 is replaced by the following:

(4) Proof of a total of 90 credit points is a prerequisite for issuing the Master's thesis including 17 credits for Module II (Lab Bench Project and Grant Writing) as per Annex 1. This can be deviated from for the double degree option upon request. In this case, admission to the master's thesis is subject to the passing of all others modules.

7. Annex 1 is replaced by the following:**Annex 1 Curriculum: Module overview****Master of Molecular and Developmental Stem Cell Biology**

Semester	Modul Name	F	Nr	V	S	P	KP
1. Semester (WiSe)	Stem Cell Physiology I	M	I	2	1		5
	Stem Cell Lecture Series I	Vr	VIII	1			2
	Bioinformatics	C	II	2	1		5
	4x Stem Cell Practical Courses	Vr	III		4	16	16
	Language Course I	Vr	XIII		1		2
28 SWS	Summe: 1. Semester			5	7	16	30
2. Semester (SoSe)	Stem Cell Physiology II	C,B	I	2	1		5
	Stem Cell Lecture Series II	Vr	VIII	2			3
	Molecular Tracing Methods	M,R	VII		1	3	5
	Molecular Genetic Methods	M	IV	2	1		5
	Tissue Engineering	Vr	V	2	1		5
	Lab Rotation	Vr	X		1	8	5
	Language Course II	Vr	XIII		1		2
25 SWS	Summe: 2. Semester			8	6	11	30
3. Semester (WiSe)	Stem Cell Lecture Series III Advances in Stem Cell Research	Vr	XI	1	1		2
	Pathology of Degenerative Diseases	M	VI	2	1		5
	Course in Animal Care and Handling	M	IX	2		1.5	5
	Bioethics including Legal Aspects	E, M	IX		2		3
	Lab Bench Project & Grant Writing	Vr	XI		1	13	15
24.5 SWS	Summe: 3. Semester			5	5	14.5	30
4. Semester	Master Project	Vr	XII				30
	Total			18	19	41.5	120

B: Biology, RUB
 C: Biochemistry, RUB
 E: Applied Ethics, RUB
 F: Faculty
 CP: Credit Points
 M: Medical Faculty, RUB
 No: Number of Modules
 P: Practical
 R: RUBION - Central Unit for Ionbeams and Radionuclides, RUB
 S: Seminar
 L: Lecture
 V: Various

Articel II

These amendment regulations come into force on the day after they are published in the Official Announcements of the Ruhr University Bochum.

of the Ruhr-Universität Bochum and shall apply to all students who are enrolled in the degree programme after their enrolled in the degree programme after it comes into effect.

Issued on the decision of the Faculty Council of the Faculty of Medicine of 03.07.2019.

Bochum, 22. August 2019

The Rector
der Ruhr-Universität Bochum

Universitätsprofessor Dr. Axel Schölmerich