

Information on the module "Immunology & Practical Course" at the LIT for Students of Molecular Medicine (M.Sc.) and Biology (M.Sc.) as well as supervisors

1. Application Phase:

Due to the limited capacity of LIT-internal internship places, selection is necessary. The grade of the Bachelor's thesis and the overall grade of the Bachelor's degree program will be taken into account. Please send a short letter of motivation and a CV to the teaching coordinator Prof. Dr. Uwe Ritter (Uwe.Ritter@ukr.de)

Deadline: September 15 of the previous year for students of Biology, February 1 for students of Molecular Medicine.

2. Selection and Acceptance:

Students will be notified of the outcome of the selection process at the end of August. Important: An internship commitment refers to the possibility of starting an internship at the LIT. Desired working groups, which may have been specified in the letter of motivation, are not binding.

3. Assignment to a Working Group and Formalities:

Once accepted by the teaching coordinator, students must contact the LIT working groups directly to confirm their future internship placement. Details about the working groups are published on the LIT homepage. Before starting the internship, students will receive an e-mail from Christine Bäuml (LIT team assistant) with the following form:

Ärztliches Attest.pdf, which is to be filled out together with a general practitioner (**Attention: If vaccinations are necessary, these must have been carried out at least two weeks before the start of the internship!**)

Please also send the following documents to the LIT team assistant:

- Application letter
- Curriculum vitae
- Certificate of enrollment
- Proof of compulsory internship

All students of the Biology (M.Sc.) program must make an appointment with the **company doctor** at <https://www.terminland.de/ukr/> before starting the internship. Here, please select an appointment for the "**Erstvorsorge/Erstuntersuchung**" and then choose "**LIT**".

The same applies to students of Molecular Medicine (M.Sc.) who are **not** enrolled at the University of Regensburg but at other universities. Students of Molecular Medicine (M.Sc.) who already had an appointment with the company doctor in the first Master's semester and have completed the medical certificate do not need an additional appointment with the company doctor.

Please complete the above documents and return them to Christine Bäuml. If an appointment with the company doctor is necessary, this must also be communicated to Ms. Bäuml.

After you have reported back to Ms. Bäuml, Mr. Pernpeintner (LIT Human Resources Department) will write to the students to complete the following forms:

- Vertrag_Praktikant.docx
- Declaration of confidentiality_internship.docx
- DSGVO_Internship.pdf

Christian Pernpeintner, Personnel Clerk, LIT - Leibniz Institute for Immunotherapy c/o University Hospital Regensburg, Franz-Josef-Strauß-Allee 11, 93053 Regensburg. Building D5, Room 4.250 M: 0173/6000378; T: 0941/944-38142 F: 0941/944-38143; E-Mail: christian.pernpeintner@ukr.de

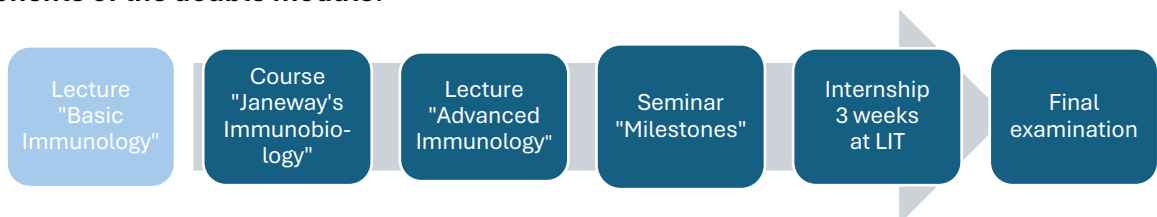
4. Implementation

4.1 Molecular Medicine (M.Sc.):

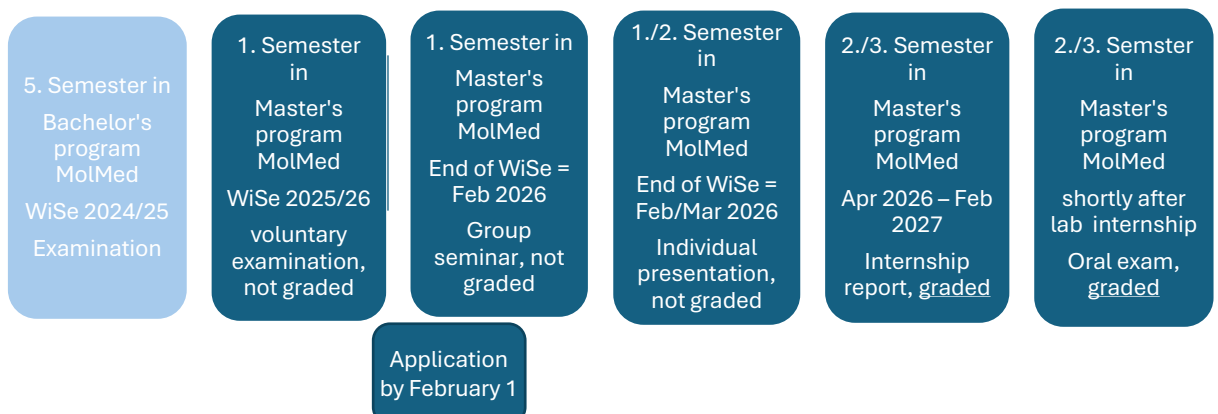
4.1.1 Requirements and Formats of the Double Module:

- **Theory Module Immunology:**
 - One-week **lecture + group seminar (Advanced Immunology, lecture number 56152)**. This theory week usually takes place in mid-February. The seminar presentations pertaining to the lectures are group presentations in which several people present a topic together. There is **no grading** for the group presentation (max. 30 minutes per person).
 - The **Milestones Seminar** (lecture number 56163) is also offered. Participation in this seminar is **compulsory**. The talk (max. 30 minutes) is presented by one person individually. The presentation will **not be graded**. If required, a short assessment of the presentation can be requested from the supervisor.
 - In addition, students **must** actively participate in the lecture series "**Janeway's Immunobiology**" in the winter semester. The textbook "Janeway's Immunobiology, Tenth Edition" can be borrowed from the medical library. At least 14 of 16 dates (=chapters) **must** be completed. The seminar will **not be graded**. Participation in the written examination is **voluntary** and is recommended as preparation for the practical module and the final module examination.
- **Practical Module Immunology:**
 - **Laboratory internship** (lecture number 56173): Three weeks. After the theory block, but no later than 12 months after the theory block. Optionally, four weeks can be spent working in the laboratory if this has been agreed and approved by the respective working group. A **graded internship report must** be submitted, and a **laboratory report must** be written to ensure good scientific practice. Documentation of the laboratory days and experiments is mandatory and must be done in the ELN. In preparation for the final module exam, it is strongly recommended that the results be presented at a working group meeting and discussed within the working group. This is followed by a 30-45-minute **graded final module exam**, which covers the topics of the internship as well as immunological knowledge (#56151 Basic Immunology or textbook, #56152 Advanced Immunology, Janeway's Immunobiology). One examiner must be habilitated and the other must have at least a master's degree.

Components of the double module:



Timetable (exemplary) and examination requirements:



4.2 Biology (M.Sc.)

4.2.1 Requirements and Formats of the Modules:

- **Theory Module Immunology**

- **Lecture and seminar:** Two weeks of lectures + group seminars (Basic Immunology, lecture number 56151, Advanced Immunology, lecture number 56152). These theory weeks usually take place in mid-February.
- **Milestones** (lecture number 56163): Attendance at the Milestones seminar is **compulsory**. A presentation **must** be given. This is evaluated internally to give students feedback on their presentation. The seminar topics are also **relevant for** the final module examination.

- **Practical Module Immunology**

Laboratory internship (lecture number 56171): Six weeks (time by arrangement).

- **Internship report:** An internship report (maximum 15 pages) **must** be submitted in which the question of the internship is clearly dealt with. It should include an introduction, objectives, materials and methods, results, discussion, and bibliography. In addition, a **laboratory report must** be written to ensure good scientific practice. Documentation of the laboratory days and experiments is mandatory and must be done in the ELN.
- **Presentation of internship results:** To ensure good scientific practice and as **part of the module final exam**, the results of the internship are presented at a working group meeting and discussed within the working group.
- **Grading of the practical module** (portfolio examination). The practical work, the internship report, and the presentation during a working group meeting will be evaluated. The supervisor will determine an overall grade, which will be entered in FlexNow.
- In addition, students receive an evaluation template for their own assessment. The template for this can be found at https://www.uni-regensburg.de/assets/biologie-vorklinische-medizin/biologie-studium/dokumente/Evaluation_of_a_practical_module-form-2.pdf. This template is not sent to the Examination Office.

Graded final module examination: At the end of the two modules (theory and practice), a **30-45-minute oral final module exam** is held in which, in addition to the topics covered in the internship, immunological specialist or basic knowledge (#56151 Basic Immunology or textbook, #56152 Advanced Immunology) is tested. One examiner must be habilitated and the other must have at least a master's degree. The exam must be requested via FlexNow. This can only be done if the student has registered for it in FlexNow beforehand. Contact persons: Elisabeth Brunner (Elisabeth.Brunner@ukr.de) and Uwe Ritter (Uwe.Ritter@ukr.de).

General note on grading: At the end, **two grades** must be entered in FlexNow.

There is one grade for the theory module (oral final exam) and one grade for the practical module (portfolio exam: overall grade from a) internship, b) internship report, and c) presentation during a working group meeting). These two grades will be entered by Uwe Ritter.

Yours sincerely

Christina Kolbeck, Elisabeth Brunner; Christian Pernpeintner and Uwe Ritter