

# MASTER RESEARCH INTERNSHIP ASSESSMENT FORM

## SECOND EVALUATOR

### Components of the internship

Every Master student Biology and Medical Biology completes at least one research internship. This research internship (with a minimum of 36 ec) can be divided into three components: practical research, report and oral presentation. The content of all three components will be assessed by the internship supervisor (first evaluator). The second evaluator will evaluate the theoretical parts, i.e. the report and, if possible, oral presentation.

### Guidelines for evaluation

It is important to assess whether the student has shown an academic attitude in concordance with the final attainment levels of the Master programmes Biology and Medical Biology (see attachment 1) in order to appropriately evaluate the internship. In this assessment form, the individual evaluation criteria are coupled to these final attainment levels. Additionally, it is important to achieve a certain amount of uniformity in the evaluation of Master research internships. To guarantee uniformity and quality of the Master research internship, supervisors must use this evaluation form for evaluating a Master research internship. The relative contributions, given in the right-most columns, are indications and may be subjective to the specific requirements of the internship.

### Procedure

The document titled "Procedure Master Internships – R variant Biosciences" found on <http://www.radboudnet.nl/studentsscience/> contains all information required to start an internship and to get it assessed in the correct manner. It is important that both student, supervisor and evaluators are aware of the content of both this assessment form and of the procedure document.

**To be filled in by the student**

<b>Educational Department of Biosciences</b> <b>Radboud University Nijmegen</b>	
<b>Assessment form Master research internship</b>	
Student's name: .....	
Address: .....	
Master's programme: .....	
Specialisation: .....	
Institution of internship: .....	
Subject: .....	
Internship period: .....	
Type of work: .....	
.....	
<b>Supervisors / evaluators (at least two)</b> <b>Name:</b> 1. .... 2. .... 3. ....	<b>Affiliation:</b> ..... ..... .....

**To be filled in by the second evaluator**

<b>Report</b> (35% of final grade) <i>Final attainment level F1</i>	1	2	3	4	5	6	7	8	9	10	(Relative) contribution
<b>Description of scientific context and hypothesis formation</b>											++++
<b>Method description</b>											++++
<b>Data description and presentation (including statistics)</b>											++++
<b>Discussion and use of literature</b>											++++
<b>Structure (internal consistency)</b>											++
<b>Language and style (correct, consistent, scientific, clear and concise)</b>											++
<b>Report grade:</b>											

**To be filled in by the second evaluator**

<b>Oral presentation(s)</b> (10% of final grade) <i>Final attainment level F2</i>	1	2	3	4	5	6	7	8	9	10	(Relative) contribution
<b>Content</b> (reasoning, consistency, clarity and depth)											+++++
<b>Structure</b>											+++
<b>Presentation skills</b> (clear, essential, time planning, language)											++
<b>Discussion and answering questions</b>											+++++
<b>Presentation grade:</b>											

**Additional comments (if applicable):**

<p><b>Discussed with student:</b>  <b>Second evaluator:</b> .....  <b>Date:</b> .....  <b>Signature second evaluator:</b>                    .....</p>	<p><b>Discussed with student:</b>  <b>Student:</b> .....  <b>Date:</b> .....  <b>Signature student:</b>                    .....</p>
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## Attachment 1: Final attainment levels of the Master training programmes Biology and Medical biology

### A. General cognitive skills

1. The Master is capable of thinking in a manner that is problem-oriented and that provides insight, with a critical approach to scientific insights.
2. The Master is capable of analysing a scientific problem by reducing the problem to verifiable sub-problems, in which he/she distinguishes between the main issues and the side issues in the analysis.
3. The Master is capable of bringing about a synthesis based on the solutions for the sub-problems, of placing this synthesis within a scientific framework and of contributing to the general development of theories in this fashion.

### B. Scientific knowledge and insight

1. The Master has acquired a broad basic knowledge of the Natural Sciences, Biology or Medical Biology in particular, and has gained insight into the relationships between the components that make up these fields of science.
2. The Master has a thorough knowledge of and insight into the biology or medical biological specialisation of his/her choice.
3. The Master is capable of mastering newly acquired scientific knowledge, particularly that of a biological or medical biological nature, both inside and outside the specialisation of his/her choice, and to integrate this knowledge within the already acquired knowledge.

### C. Scientific research method

1. The Master is capable of formulating new scientific problems and hypotheses.
2. The Master is capable of setting up a scientific experiment with which to test these hypotheses.
3. The Master is capable of selecting the correct approaches to reaching a solution and the appropriate methods of research, taking into account the availability of services and means.
4. The Master is capable of collecting and systematically processing research results.
5. The Master is capable of critically interpreting the research results and can formulate the conclusions that can be derived from these results.
6. The Master is capable of outlining the scientific and social consequences of the research that he/she has (partly) conducted.

### D. Acquiring scientific information

1. The Master is capable of formulating which information is needed in order to solve a scientific problem, or more specifically, a (medical) biological problem.
2. The Master is capable of locating relevant sources of information, particularly scientific literature, by making use of the (automated) means that are available for that purpose.
3. The Master is capable of comprehensively reading scientific textbooks, as well as scientific articles regarding the specialisation of his/her choice, in the English language.

### E. Practical realisation of the research

1. The Master has the practical skills that are required if one is to conduct experimental, scientific, biological or medical biological research concerning the specialisation of his/her choice and/or is capable of quickly mastering these skills.
2. The Master is capable of independently planning and conducting (medical) biological research, or part of a research study of that kind, which is carried out in the form of a co-operation.

### F. Presentation of the research

1. The Master is capable of writing a report regarding the research or theoretical study that was conducted in accordance with the structure of a scientific article.
2. The Master is capable of giving a clear verbal presentation of the research or theoretical study that was conducted, including its discussion, this for a non-specific expert audience.