Module title: Publishing Scientific Data
Abbreviation: 07-SQF-WIP-092-m01

Module coordinator: BioCareers
Module offered by: Faculty of Biology

ECTS: 3
Method of grading: numerical grade
Duration: 1 semester
Module level: undergraduate

Contents:
Either alone or in small groups of two or three persons, students will select several journal articles from the field of life sciences. These will serve as the basis for a review article to be prepared by students. With two or three "core publications" as a basis, students will search databases (e.g., PubMed) for literature that is directly related to these articles. The most important current original publications will be summed up in a review article; where applicable, students may also use their own raw data. The structure of this review article will comply with the standards of the scientific community as defined in the instructions to authors of a scientific journal. The article will contain at least one figure, one table as well as one schematic representation of the contents and will be divided up into the following sections: title, abstract, introduction and/or hypothesis/problem to be investigated, summary of results as well as current developments and discussion thereof. The article will also contain citations in the specified format. Students will also deliver a presentation on the contents of the article.

Intended learning outcomes:
Students will have learned to conduct a literature search on a specific topic. They will know how to get an overview of recent publications on a specific topic and will be familiar with basic rules for summing up original publications in a review article complying with the standards of the scientific community. Students will be familiar with the standards regarding the structure of reviews and will be able to properly cite sources. They will thus know what to keep in mind when writing scientific articles. In addition, students will be able to prepare and deliver an oral presentation on raw scientific data.

Courses:
- S (no information on SWS (weekly contact hours) and course language available)

Method of assessment:
term paper (approx. 5 to 10 pages) and presentation (approx. 15 minutes), weighted 2:1

Allocation of places:
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Additional information:
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Referred to in LPO I:
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Module appears in:
Bachelor’s degree (1 major) Biology (2007)