Module title

Experimental biology of membrane transport mechanisms

Abbreviation

07-6S3PS3-092-m01

Module coordinator

holder of the Chair of Plant Physiology and Biophysics

Module offered by

Faculty of Biology

ECTS

15

Method of grading

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Duration

1 semester

Module level

undergraduate

Other prerequisites

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Contents

Using the examples of topics in contemporary research, students will be introduced to the concepts of good scientific practice, including planning research strategies, performing complex experiments as well as documenting and communicating research findings in the form of a presentation, a publication or a term paper. Students will be involved in ongoing research and will learn how to independently apply advanced methods in molecular biology and biophysics. In addition they will acquire an advanced knowledge of membrane transport in particular.

Intended learning outcomes

Students are able to independently use advanced methods in the experimental biology of membrane transport. They are able to independently address and document questions in the field of plant biology, adhering to the principles of good scientific practice.

Courses

This module comprises 2 module components. Information on courses will be listed separately for each module component.

- 07-6S3PS3-1MT-092: Ü (no information on SWS (weekly contact hours) and course language available)
- 07-6S3PS3-2MT-092: S (no information on SWS (weekly contact hours) and course language available)

Method of assessment

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 07-6S3PS3-1MT-092: Experimental biology of membrane transport mechanisms (laboratory course)

- 12 ECTS, Method of grading: numerical grade
- a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)
- Assessment offered: once a year, summer semester
- Language of assessment: German, English

Assessment in module component 07-6S3PS3-2MT-092: Experimental biology of membrane transport mechanisms (seminar)

- 3 ECTS, Method of grading: (not) successfully completed
- presentation (approx. 20 to 30 minutes)
- Assessment offered: once a year, summer semester

Allocation of places

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Additional information

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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<th>Module appears in</th>
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<td>Bachelor' degree (1 major) Biology (2007)</td>
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