# Module B.Phy.5659: Seminar on current topics in theoretical biophysics

## Learning outcome, core skills:

**Objectives:**
The students will develop a basic understanding of current topics and methods of theoretical biophysics at the molecular, cellular and population level, based on selected examples.

**Competences:**
After completing this module, the students should be able to research a topic in theoretical biophysics in the scientific literature, analyse it critically and present it in a seminar talk.

## Workload:

**Attendance time:**
28 h

**Self-study time:**
92 h

## Examination:

**Presentation with discussion (Bachelor approx. 30 min., Master approx. 60 min.)**

**Examination prerequisites:**
Active participation

**Examination requirements:**
Presentation of a selected research topic and critical discussion of its methods and results

## Admission requirements:

- none

## Recommended previous knowledge:

- Basic knowledge in biophysics and statistical physics

## Language:

- English, German

## Person responsible for module:

- Prof. Dr. Stefan Klumpp

## Course frequency:

- every 4th semester

## Duration:

- 1 semester[s]

## Number of repeat examinations permitted:

- 3 times

## Recommended semester:

- Bachelor: 6; Master: 1 - 4

## Additional notes and regulations: