# Module description

## Module title
Tumor Genetics

## Abbreviation
03-MBC-TG-161-m01

## Module coordinator
holder of the Professorship Human Genetics at Institute for Human Genetics

## Module offered by
Institute of Human Genetics

## ECTS
5

## Method of grading
numerical grade

## Only after succ. compl. of module(s)
--

## Duration
1 semester

## Module level
graduate

## Other prerequisites
--

## Contents
Basics on human genetics (inheritance patterns, mutation types, etc.), hereditary cancer (breast & ovarian cancer, HNPPC, FAP, etc.), cancer syndromes, tumor cytogenetics, epigenetics in cancer, animal models in cancer genetics, genetic techniques (NGS, genome engineering, etc.)

## Intended learning outcomes
The students have acquired broad knowledge in the field of tumor genetics and hereditary tumor diseases as well as specific knowledge about genetic methods. They are able to apply this acquired knowledge to scientific questions in tumor genetics. Students can independently develop scientific texts, discuss them critically and present them.

## Courses
(type, number of weekly contact hours, language — if other than German)

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Weekly Contact Hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>1</td>
<td>1</td>
<td>English</td>
</tr>
</tbody>
</table>

Module taught in: English

## Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

- a) written examination (approx. 45 to 90 minutes)
- b) log (20 to 30 pages)
- c) oral examination of one candidate each (20 to 30 minutes)
- d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate)
- e) presentation (20 to 40 minutes)

Language of assessment: German and/or English

## Allocation of places
--

## Additional information
--

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

--

## Module appears in
Master's degree (1 major) Biochemistry (2015)
Master's degree (1 major) Biomedicine (2015)
Master's degree (1 major) Biochemistry (2017)
Master's degree (1 major) Biomedicine (2018)
Master's degree (1 major) Biochemistry (2019)

---

JMU Würzburg • generated 17.09.2019 • Module data record 124553