### Module title
Individualized / Genetic Medicine

### Abbreviation
03-TM-IGM-181-m01

### Module coordinator
Comprehensive Cancer Center Mainfranken

### Module offered by
Faculty of Medicine

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
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### Contents
Methodological and bioinformatic principles of high throughput methods for the analysis of tumors. Based on selected examples it will be illustrated how targeted and personalized therapies can be developed in oncology based on these novel technologies and how this will influence future developments in clinical research and patient care.

### Intended learning outcomes
Students recognize the fundamental importance of genetics and modern Omics technologies for understanding the pathogenesis and course of cancer. They understand the translation of molecular changes into clinical research questions and individual treatment decisions.

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

V (2)
Module taught in: German or 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)

written examination (30 to 60 minutes)
Language of assessment: German or English

### 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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### Module appears in
Supplementary course Translational Medicine (2018)
Master's degree (1 major) Translational Medicine (2018)