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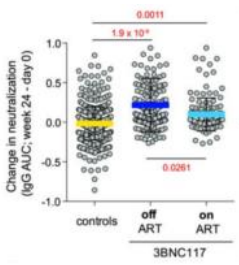
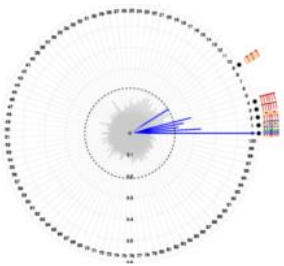
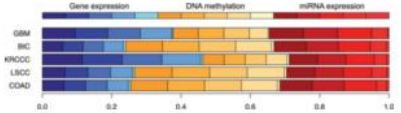
Institute for Bioinformatics and
Medical Informatics (IBMI)

# Welcome
# to all new students of the
# Master's degree program in Medical Informatics







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# Welcome to Tübingen!

Department of Computer Science – Campus “Sand”

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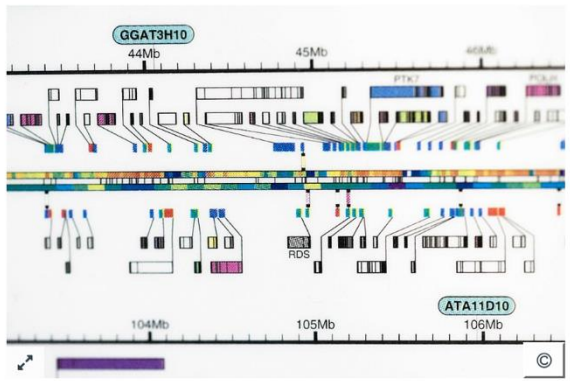
# Department of Computer Science

Visit the **Department of Computer Science** (Fachbereich Informatik) website for extensive information about our

- curricula
- teaching staff
- research groups
- and so much more…



## Fachbereichsleitung

**Prof. Dr. Andreas Geiger**
Fachbereichssprecher

Kontakt →

Zulassung & Studium →

## Aktuelles

Vortragsankündigungen auf talks.tue.ai →

# Willkommen am Fachbereich Informatik!

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# Fachschaft

**Computer Science Student Council** (Fachschaft Informatik): https://www.fsi.uni-tuebingen.de/en/

- your student representation
- provides helpful information & support
- offers **mailing lists** to distribute information and reach students directly
  - subscribe if you want to join (highly recommended!): https://www.fsi.uni-tuebingen.de/en/mailinglisten/
  - mailing list *"info-studium"* spreads relevant information, e.g. from professors or the examination board

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IBMI

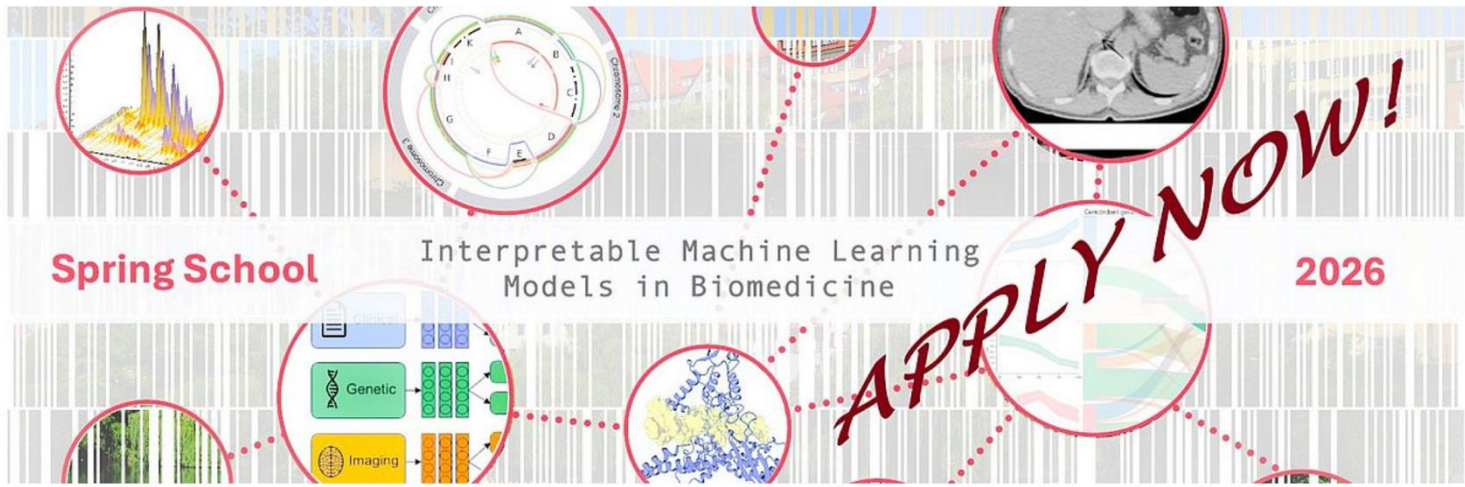
Our interfaculty **Institute for Bioinformatics and Medical Informatics** (IBMI)

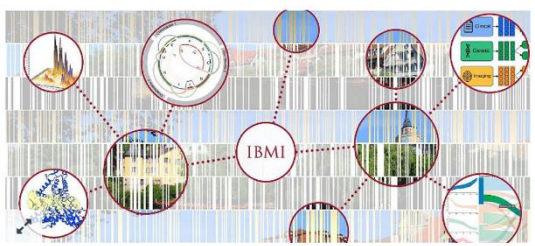
- interdisciplinary research & courses
- events, incl. international expert talks: IBMI Colloquium
- **programming support for students** with focus on Java and Python: Contact: Dr. Philipp Thiel (philipp.thiel@ibmi.uni-tuebingen.de)

Faculty of Science / Faculty of Medicine

# Institute for Bioinformatics and Medical Informatics (IBMI)






With the establishment of the **Institute for Bioinformatics and Medical Informatics** (**IBMI**) the University of Tübingen brings together expertise in informatics, medicine, and the life sciences in a unique institute bridging the existing faculties of science and medicine.

Over the last decades, the use of computer science methods has fundamentally changed research in the life sciences and with the ongoing digital transformation and a pervasive application of artificial intelligence, the entire field is facing new and pivotal challenges. Pooling the expertise in an interdisciplinary institute is thus essential for effective research as well as the comprehensive education of qualified scientists in the digitized life sciences.

## News

01.12.2023

**The Frankenstein molecule**

Resurrection of an ancient antibiotic to create antibiotics of the future

Read more →

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# MSc in Medical Informatics

Our **international Master's degree program in Medical Informatics**

- General overview: see here
- Current Exam Regulations (Prüfungsordnung): "**PO 2021**"
- Total **credit points**: 120 ECTS
- Expected **duration**: 4 semesters
  (max. 7 semesters)
- **Main lectures** in medical informatics, computer science, medical technology
- 3 student **profiles** available (according to your prequalification, e.g. Bachelor's degree)
  - A: medical informatics or equivalent
  - B: medical technology, medicine, or a related field
    → Preparatory Course in Programming for Medical/Life Scientists
  - C: computer science, or a comparable field

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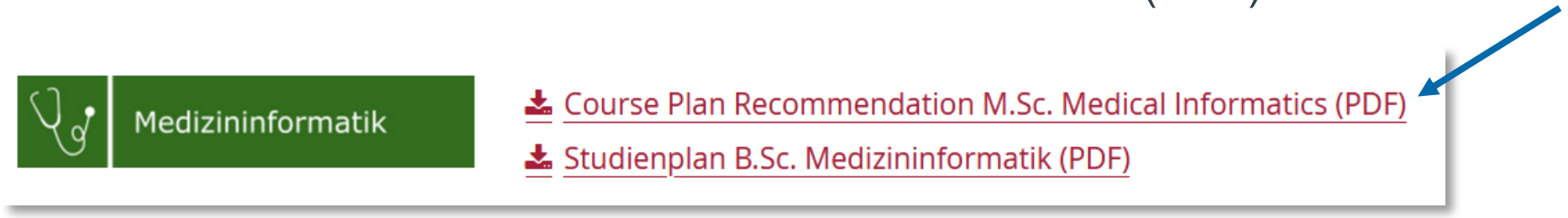
# Organizing Your Studies

**Recommended course plan** (see Study Plans):

→ Course Plan Recommendation M.Sc. Medical Informatics (PDF)




## Master's thesis

- Duration: 6 months
- Topic to be accepted and supervised by 2 professors from the Dept. of Computer Science (or 1 from Computer Science + 1 from the Faculty of Medicine)
- Thesis 27 ECTS + Presentation 3 ECTS

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# Profiles: Profile A

| Module Overview<br>Profile A | | |
|---|---|---|
| Module / Study Area: | | ECTS |
| MEDZ-MEDINFO | Advanced Medical Informatics | 9 |
| MEDZ-BIOINFO | Advanced Bioinformatics | 9 |
| MEDZ-BIOMED | Biomedical Informatics | 24 |
| INFO-INFO | Computer Science | 18 |
| MEDZ-MEDTECH | Medicine–Medical Technology | 18 |
| MEDZ-RES | Research Project | 9 |
| MEDZ-SEM | Medical Informatics Seminar | 3 |
| MASTER | Master's Thesis and Presentation | 30 |
| Total ECTS: | | 120 |

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# Profiles: Profile B

| Module Overview<br>Profile B | | |
|---|---|---|
| Module / Study Area: | | ECTS |
| MEDZ-MEDINFO | Advanced Medical Informatics | 9 |
| MEDZ-BIOINFO | Advanced Bioinformatics | 9 |
| MEDZ-BIOMED | Biomedical Informatics | 15 |
| INFO-INFO | Computer Science | 12 |
| MEDZ-MEDTECH | Medicine–Medical Technology | 9 |
| MEDZ-RES | Research Project | 9 |
| MEDZ-SEM | Medical Informatics Seminar | 3 |
| MEDZ-INFO | Foundations of Biomedical Informatics | 24 |
| MASTER | Master's Thesis and Presentation | 30 |
| Total ECTS: | | 120 |

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# Profiles: Profile C

| Module Overview<br>Profile C | | |
|---|---|---|
| Module / Study Area: | | ECTS |
| MEDZ-MEDINFO | Advanced Medical Informatics | 9 |
| MEDZ-BIOINFO | Advanced Bioinformatics | 9 |
| MEDZ-BIOMED | Biomedical Informatics | 15 |
| INFO-INFO | Computer Science | 12 |
| MEDZ-MEDTECH | Medicine–Medical Technology | 18 |
| MEDZ-RES | Research Project | 9 |
| MEDZ-SEM | Medical Informatics Seminar | 3 |
| MEDZ-BASICMEDINFO | Foundations of Medicine and Bioinformatics | 15 |
| MASTER | Master's Thesis and Presentation | 30 |
| Total ECTS: | | 120 |

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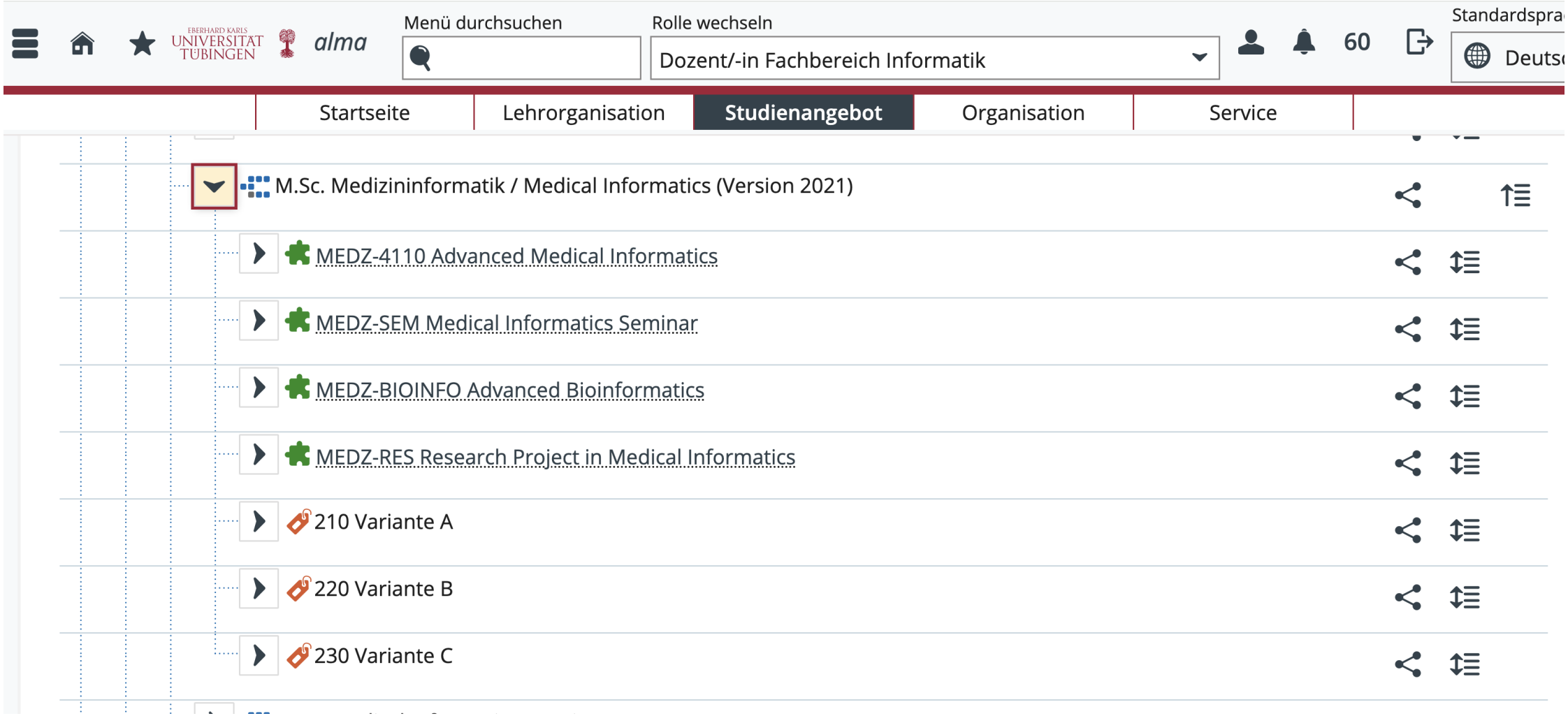
# Alma, Ilias, Moodle, ...

Various **digital tools** support you with checking course contents, choosing and signing up for lectures, and finding study materials (access via your ZDV login):

- **Course catalog** of all courses offered at the university, links to teaching websites of individual lecturers/research groups, as well as course pages at *Ilias* and *Moodle*:
  - **Alma**: https://alma.uni-tuebingen.de

- **Learning systems** used for distributing course materials and other relevant information:
  - **Ilias**: https://ovidius.uni-tuebingen.de
  - **Moodle**: https://moodle.zdv.uni-tuebingen.de
  - etc.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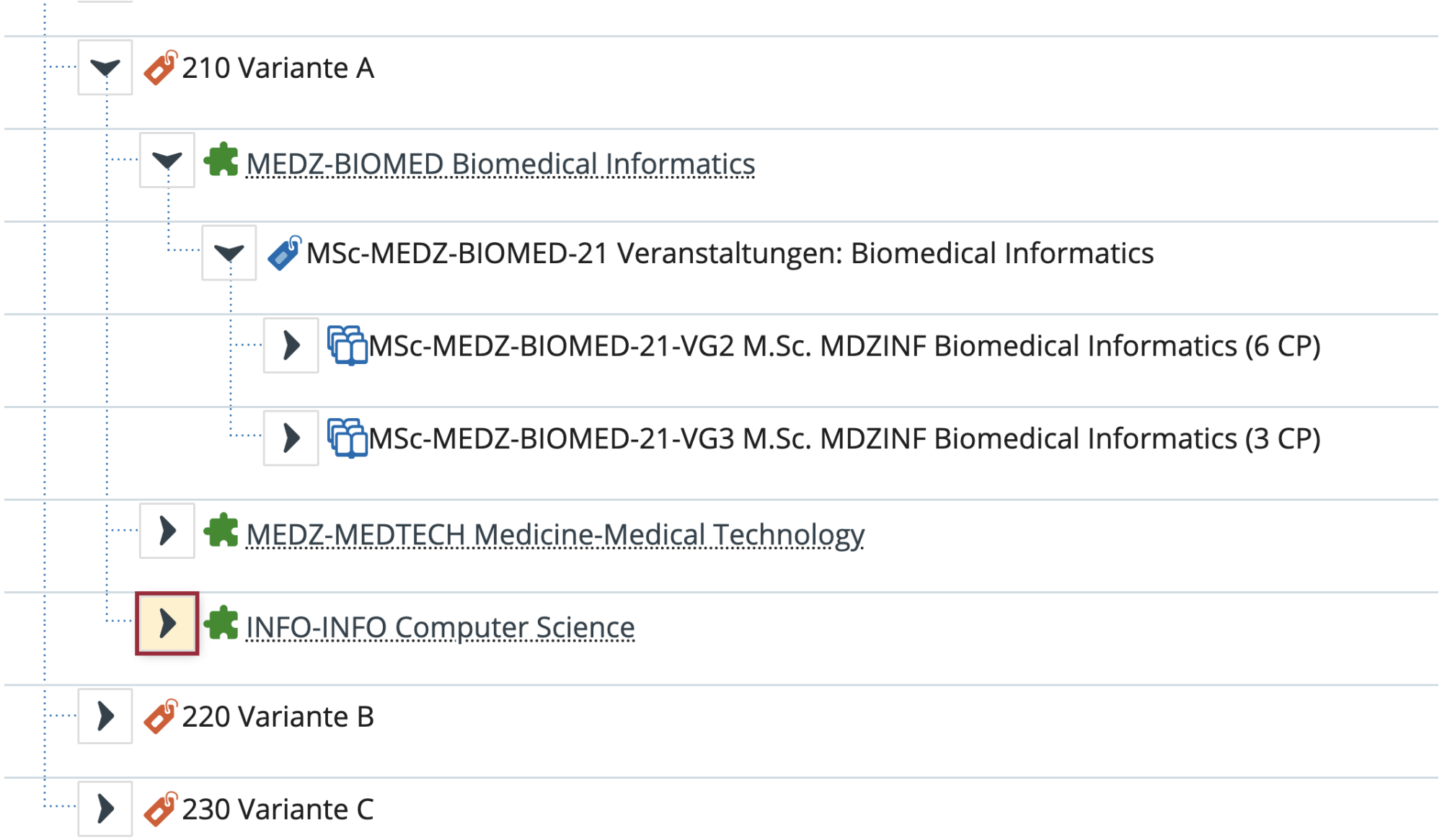
Rolle wechseln
Dozent/-in Fachbereich Informatik
60
Standardspra
Deuts
Startseite
Lehrorganisation
Studienangebot
Organisation
Service
M.Sc. Medizininformatik / Medical Informatics (Version 2021)
MEDZ-4110 Advanced Medical Informatics
MEDZ-SEM Medical Informatics Seminar
MEDZ-BIOINFO Advanced Bioinformatics
MEDZ-RES Research Project in Medical Informatics
210 Variante A
220 Variante B
230 Variante C


210 Variante A
MEDZ-BIOMED Biomedical Informatics
MSc-MEDZ-BIOMED-21 Veranstaltungen: Biomedical Informatics
MSc-MEDZ-BIOMED-21-VG2 M.Sc. MDZINF Biomedical Informatics (6 CP)
MSc-MEDZ-BIOMED-21-VG3 M.Sc. MDZINF Biomedical Informatics (3 CP)
MEDZ-MEDTECH Medicine-Medical Technology
INFO-INFO Computer Science
220 Variante B
230 Variante C

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# Registration for Courses & Exams

How to register for courses and exams:

- Sign up for a **course** in *Ilias* or *Moodle* to get access to the course material and general information
- Register for **exams** preferably through *Alma*, but if this is not possible then at the examination office (Ms. Susanne Mischorr)
  - Remember to do this early (at least 2 weeks before the exam)

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# Main Contacts

**Examination Office** (Prüfungssekretariat) **BSc/MSc Medical Informatics**

- Support in all examination-related matters
- Contact: Ms. Susanne Mischorr (see here)

**Board of Examiners** (Prüfungsausschuss) **MSc Medical Informatics**

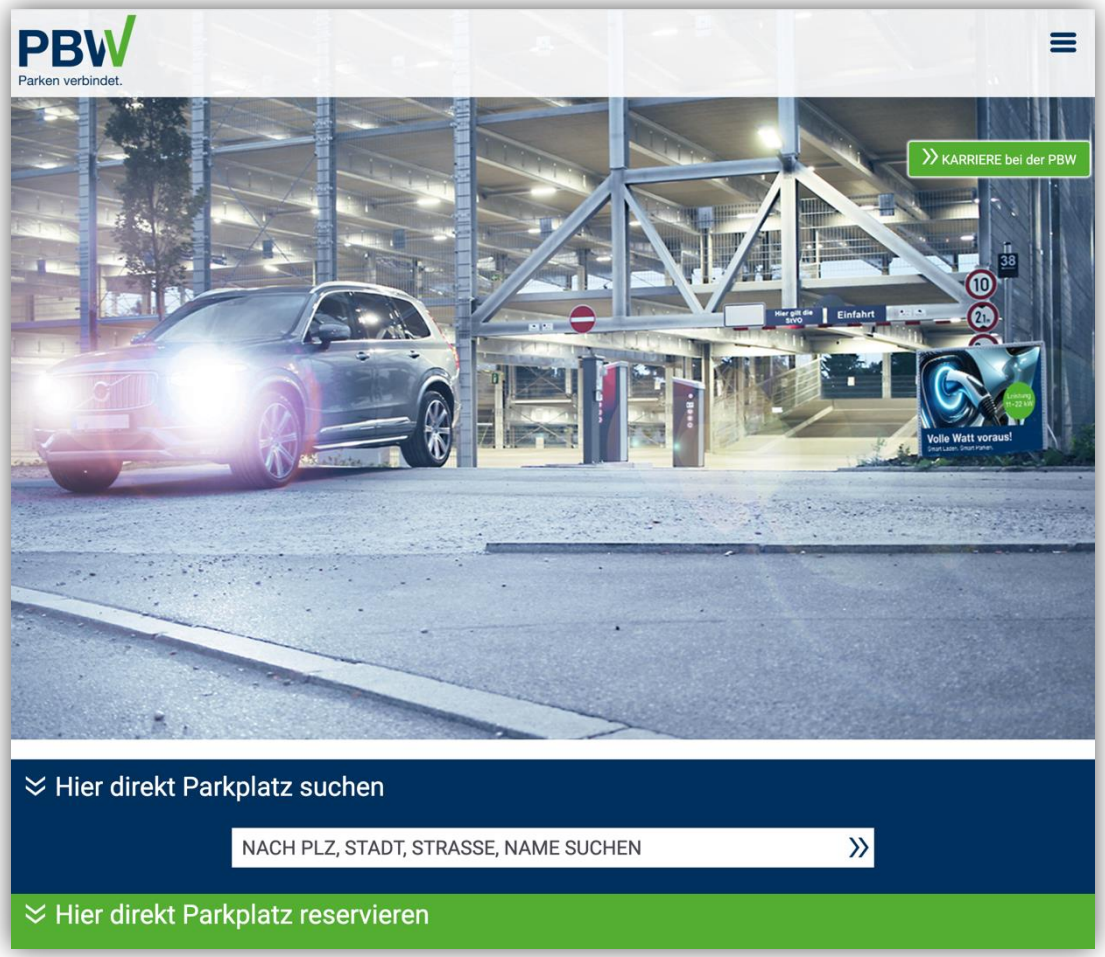
- advice regarding the curriculum
- Head of Board of Examiners: Prof. Dr. Nico Pfeifer
- Contact: see here

**Studies coordinator MSc Medical Informatics**

- Dr. Markus Zimmermann m.zimmermann@uni-tuebingen.de

# Please note:
# free parking is no longer available.

Since 1 October 2025, there is no longer any free parking at the university car parks.



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# Welcome Event

## Master's Café

- Informal meetup for all MSc first semester students
- Get to know your fellow students and some of the professors
- Today at 2:30 p.m. @ 6th floor of MvL1 building (Cyber Valley Building)

Photo: Marco Verch, CC-BY 2.0

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# Thank you!

**We wish you all the best with your studies**

**and for your time at Tübingen and beyond!**


**Prof. Nico Pfeifer**
Program Director
MSc Medical Informatics

**Dr. Markus Zimmermann**
Studies Coordinator
MSc Medical Informatics


Slides available at: computer science department -> downloads