

Master's Program Biochemistry @ Freie Universität Berlin



Thielallee 63



Takustr. 6

Who has not studied
in the Biochemistry Bachelor's Program
at Freie Universität?

For whom German is not the native language?

Why did you decide on pursuing a
Master's in Biochemistry?

Why at Freie Universität?

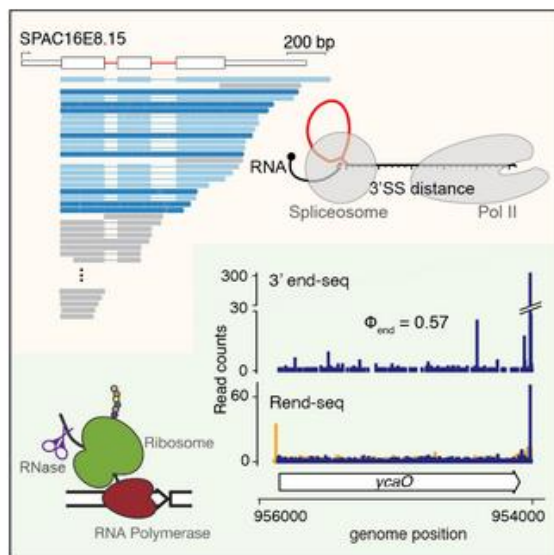
Our program ...

- ... is strongly research-focused
- ... can be geared to your interests
- ... provides great opportunities for experimental skills training
- ... provides great opportunities for transferable skills training
- ... requires that you take initiative

What we hope to convey

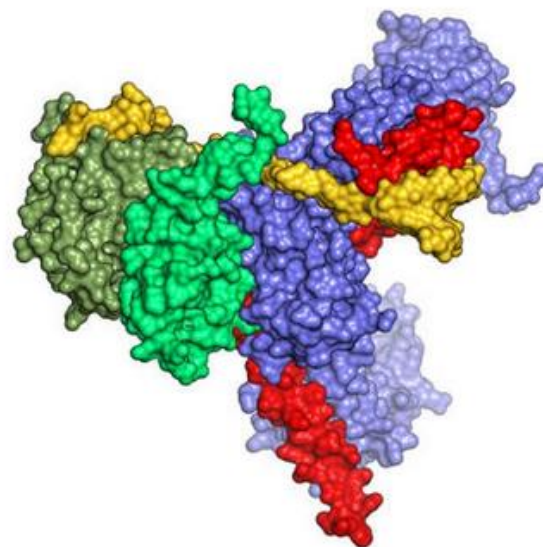
- What are current research questions in the field?
(e.g., Lecture/seminar series Advanced Biochemistry A/B; Lise Meitner Seminars)
- Which modern techniques can you apply to address them?
(e.g., Methods Modules)
- How to design experiments, plan and conduct projects?
(e.g., Research Projects)
- How to acquire financial support for a project?
(e.g., Grant Writing Course)
- How to communicate scientific results?
(e.g., Methods Modules, Research Projects, Master's Thesis)
- How to critically evaluate research results?
(e.g., Master's Thesis)
- **Rules of Good Scientific Practice**
- **Enthusiasm for the Scientific Method (and the Molecular Life Sciences)**

Research Groups



Herzel Lab - RNA dynamics

➤ [Read more](#)



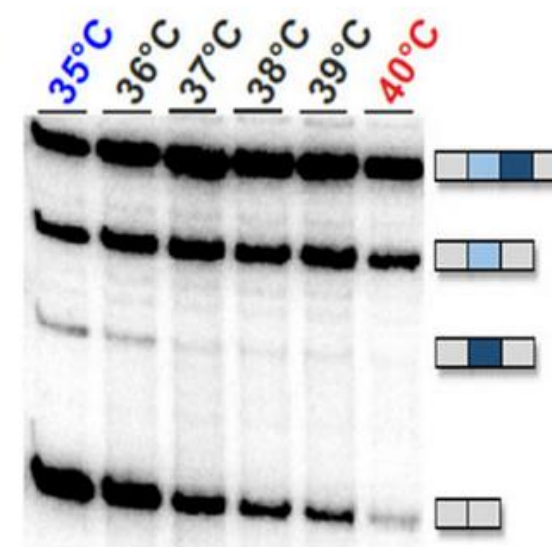
Wahl Lab - Structural Biochemistry

➤ [Read more](#)



Chakrabarti Lab - mRNA-Metabolism

➤ [Read more](#)



Heyd Lab - RNA Biochemistry

➤ [Read more](#)

Department of Biology, Chemistry, Pharmacy / Chemistry and Biochemistry /
BIOCHEMISTRY

[RESEARCH GROUPS](#)
[STUDENTS](#)
[BACHELOR](#)
[MASTER](#)
[NEWS/SEMINARS](#)
[CONTACT](#)

Overview Research Groups

Overview

Absmeier Group – mRNA Translation and Turnover >

Bottanelli Group - Membrane Trafficking >

Chakrabarti Group - mRNA-Metabolism >

Ewers Group - Membrane Biochemistry >

Freund Group - Protein Biochemistry >

Herzel Group - RNA dynamics >

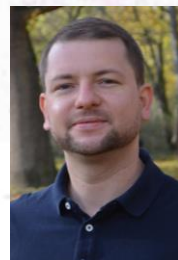
Heyd Group - RNA Biochemistry >

Knaus Group - Signal Transduction >

Stricker Group - Biochemistry and Genetics >

Wahl Group - Structural Biochemistry >

Associated Groups



Please contact us, if you need help or advice

Counseling

<https://www.bcp.fu-berlin.de/en/chemie/biochemie/master/counselling/index.html>

Student Advisor

Tom Bergmann

studbiochem@zedat.fu-berlin.de

Faculty Advisor

Prof. Dr. Christian Freund

christian.freund@fu-berlin.de

Erasmus Advisor

Dr. Bernhard Loll

lol@chemie.fu-berlin.de

Office of Academic Affairs and Study Advisor

Björn Kleier

studienbuero@biochemie.fu-berlin.de

Examination Office

Janine Heinrich

pruefungsbuero@biochemie.fu-berlin.de

BAFöG Advising/services

Send completed form (Formblatt 5, Bafög Weiterförderung) and an up-to-date transcript of records to the Examination Office

General Academic Advising

<https://www.fu-berlin.de/en/studium/beratung/ssc/bereiche/allgemeine-studienberatung.html>

Mentoring Program for New Students

<https://www.bcp.fu-berlin.de/en/chemie/biochemie/student-representatives/Mentoring>

Psychological Counseling;

https://www.fu-berlin.de/en/sites/studienberatung/psychologische_beratung

Program regulations

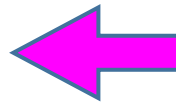
[Startseite](#) > [Studium/Lehre](#) > [Studienorganisation](#) > [Ordnungen, Satzungen](#) > [Biochemie](#)

Biochemie

Amtsblatt-Texte

Aktuelle Studien- und Prüfungsordnungen

- [B.Sc. Biochemie Studien- und Prüfungsordnung \(2024\)](#)
- [M.Sc. Biochemie Studien- und Prüfungsordnung \(2024\)](#)



Auslaufende Studien- und Prüfungsordnungen

- B.Sc. Biochemie [Studienordnung](#), [Prüfungsordnung](#) (2013)
- M.Sc. Biochemie (2012), 1. [Änderungsordnung](#) (2016)

INSTITUTE

- > [Institut für Biologie](#)
- > [Institut für Chemie und Biochemie](#)
- > [Institut für Pharmazie](#)

ÖFFNUNGS- UND SCHLIESSZEITEN DER STUDIEN- UND PRÜFUNGSBÜROS

- > [Aktuelle Angaben zum Prüfungsbüro](#)
- > [Aktuelle Angaben zum Studienbüro Biologie](#)

<https://www.bcp.fu-berlin.de/studium-lehre/verwaltung/ordnungen/biochemie.html>

Program description

Inhaltsverzeichnis

- § 1 Geltungsbereich
- § 2 Qualifikationsziele
- § 3 Studieninhalte
- § 4 Studienberatung und Studienfachberatung
- § 5 Prüfungsausschuss
- § 6 Regelstudienzeit
- § 7 Aufbau und Gliederung; Umfang der Leistungen
- § 8 Lehr- und Lernformen
- § 9 Elektronische Prüfungsleistungen
- § 10 Einreichform für schriftliche Prüfungsleistungen
- § 11 Masterarbeit
- § 12 Wiederholung von Prüfungsleistungen
- § 13 Auslandsstudium
- § 14 Studienabschluss
- § 15 Inkrafttreten und Übergangsbestimmungen

Anlagen

- Anlage 1: Modulbeschreibungen
- Anlage 2: Exemplarischer Studienverlaufsplan
- Anlage 3: Zeugnis (Muster)
- Anlage 4: Urkunde (Muster)

Course descriptions

A. Pflichtbereich Grundlagen

Modul: Advanced Biochemistry A - Current Topics in Nucleic Acid and Protein Biology

Hochschule/Fachbereich/Lehreinheit: Freie Universität Berlin/Biologie, Chemie, Pharmazie/Biochemie

Modulverantwortung: Dozent*innen des Moduls

Zugangsvoraussetzungen: keine

Qualifikationsziele:

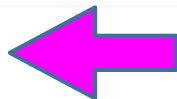
Die Studierenden haben fortgeschrittene Kenntnisse in den Themengebieten der Nukleinsäure- und Proteinbiologie sowie zu relevanten experimentellen Herangehensweisen und können diese auch auf für sie neue Probleme anwenden. Anhand des Fachwissens können sie ihre zukünftige fachliche Spezialisierung ausrichten. Sie können sich Hintergrundwissen zur Erschließung neuer anwendungs- und forschungsorientierter Arbeitsgebiete selbständig erarbeiten und komplexe Aufgabenstellungen bearbeiten. Sie können Leistungsstärken und Limitationen von modernen experimentellen Herangehensweisen einschätzen und kreative Lösungsvorschläge für Forschungsfragen erarbeiten. Sie können das erworbene Wissen vernetzen und in die Bearbeitung interdisziplinärer Projekte einbringen. Sie können die Bedeutung der Forschungsfelder für gesellschaftliche Belange und globale Herausforderungen einschätzen und kreativ zu Lösungsansätzen beitragen. Die Studierenden lernen, die Regeln guter wissenschaftlicher Praxis im fachlichen Kontext anzuwenden.

Inhalte:

Aktuelle Forschungsthemen der Nukleinsäure- und Proteinbiologie (z.B. Zusammenspiel genregulatorischer Prozesse; Chromatinorganisation und Epigenetik; Faltung und Dynamik von Proteinen und Protein-Nukleinsäurekomplexen; intrinsisch unstrukturierte Proteine); moderne experimentelle Methoden der Nukleinsäure- und Proteinbiologie (z.B. Verfahren der Genomeditierung; -omics Verfahren; Einzelmolekülverfahren; strukturelle Verfahren; bioinformatische Verfahren)

Exemplary curriculum

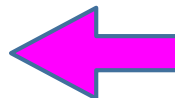
Study Area	Basics (compulsary)	Methods (compulsary elective)	Guided Research (compulsory elective)	Subject-Related Complementation (elective)	Freely Selectable Complementation (elective)	CP
Semester 1	Advanced Biochemistry A Nucleic Acid, Proteins 10 CP	Methods Module Subject Area 1 5 CP	Research Project Subject Area 1 15 CP	Specialization Module 1 5 CP		30
Semester 2	Advanced Biochemistry B Cellular Membranes, Signal Transduction 10 CP	Methods Module Subject Area 2 5 CP	Research Project Subject Area 2 15 CP	Specialization Module 2 5 CP		30
Semester 3		Methods Module Subject Area 3 5 CP	Research Project Subject Area 3 15 CP		Elective Module 1 10 CP	30
Semester 4	Master's Thesis 30 CP					30
120 CP						

[Jetzt geöffnet](#)[Top-Bewertung](#)[Rollstuhlgerechter Eingang](#)[SoSe 2024](#)[Bio](#)[Jura](#)[Powi](#)[Wiwiss](#)

Freie Universität Berlin

<https://www.fu-berlin.de/vv>

Vorlesungsverzeichnis - Freie Universität Berlin



Einführungs- und Orientierungsstudium Eins@FU · Offener Hörsaal · Selma Stern Zentrum für Jüdische Studien Berlin-Brandenburg · UNA Europa. Semester. Archiv ...

SoSe 24

Vorlesungsverzeichnis. Fachbereiche. Allgemeine ...

WiSe 23/24

Vorlesungsverzeichnis. Fachbereiche. Allgemeine ...

Sommersemester 2023

Vorlesungsverzeichnis. Fachbereiche. Allgemeine ...

Philosophie und...

Einführungs- und Orientierungsstudium Eins@FU ...

Vorlesungsverzeichnis

Vorlesungsverzeichnis für das Wintersemester 2024/2025 ...

[Weitere Ergebnisse von fu-berlin.de »](#)



COURSE CATALOG

Departments ▾

Central Institutes ▾

Central Service Units ▾

Other courses ▾

Semester ▾

Enter a search term

Combine search terms by AND

Search now

WiSe 24/25 ▶

Department ▶

Subject ▶

Course

Course Catalog for 2024/25 Winter Semester

Classes for the 2024/25 Winter Semester start on October 14, 2024, and end on February 15, 2025.

Registration for modules and classes

You can find details about the Campus Management online system [here](#).

The complete Academic Calendar of Freie Universität Berlin can be found [here](#).



COURSE CATALOG

Departments ▾

Central Institutes ▾

Central Service Units ▾

Other courses ▾

Semester ▾

Wi 24/25 ▾ Department ▾ Subject ▾ Course

Course Catalog for 2024/25 Winter Semester

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Enter a search term

Combine search terms by AND

Search now



COURSE CATALOG

Departments ▾

Central Institutes ▾

Central Service Units ▾

Other courses ▾

Semester ▾

- General Professional Skills
- Biology, Chemistry, and Pharmacy
- Dahlem Research School (DRS)
- Centre for Teacher Education
- Education and Psychology
- Earth Sciences
- History and Cultural Studies
- Mathematics and Computer Science
- Philosophy and Humanities
- Physics
- Political and Social Sciences
- Law
- Veterinary Medicine
- School of Business and Economics



5 Winter Semester

Winter start on October 14, 2024, and end on February 15, 2025.

and classes

Management online system [here](#).

Freie Universität Berlin can be found [here](#).

Enter a search term

Combine search terms by AND

Search now



COURSE CATALOG

Departments ▾

Central Institutes ▾

Central Service Units ▾

Other courses ▾

Semester ▾

WiSe 24/25 ▸ **Biology, Chemis...** ▸ Subject ▸ Course

Biology, Chemistry, and Pharmacy

Immatrikulationsfeier am Fachbereich Biologie, Chemie, Pharmazie für die neuen Bachelor- und Staatsexamensstudierenden der Fächer Biochemie, Biologie, Chemie, PharmazieDie Veranstaltung findet statt am:10.10.2024 um 17 UhrOrt ...

[read more](#) ▾

Biology

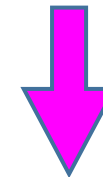
Willkommen bei uns / Welcome to us,Wir vom Studienbüro Biologie freuen uns allen auf diesen Seiten alles Rund um die Lehre am Institut für Biologie zur Verfügung stellen zu können.Unter Eurer ...

[read more](#) ▾

Enter a search term

Combine search terms by AND

Search now



Biochemistry

Last updated: 04. June 2024

Welcome Event for Master's Students

Attention! The schedule of the orientation days for the winter semester 2024/25 will be published on this website, that is being updated frequently: <https://www.bcp.fu-berlin.de/en/chemie/biochemie/student-representatives/Infos-fuer-Studienanfaenger/Master-Biochemistry/index.html>

Attention! If you have not received an invitation mail three working days before the OE, please write this in an email to studbiochem@zedat.fu-berlin.de. Please use your ZEDAT address if you already have an account. Otherwise an email from your private account is sufficient.

For the beginning master students an additional orientation welcome event is organized the week before the start of the lecture period.

Detailed information can be found on the website of the students' initiative (FSI) biochemistry: <http://www.bcp.fu-berlin.de/en/chemie/biochemie/student-representatives/Infos-fuer-Studienanfaenger/Master-Biochemistry>

close ▲

[General Information and Counseling](#)

210601

[Bachelor's Programme in Biochemistry](#)

210605

[Master's programme in Biochemistry](#)

210611

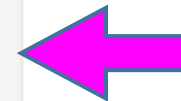
- [Master's programme in Biochemistry](#)
- [Masterstudiengang Biochemie \(Studienordnung 2024\)](#)

0390a_MA120

0390b_MA120

[Diploma Programme in Biochemistry \(1994 study regulations\)](#)

210621





COURSE CATALOG

Departments ▾

Central Institutes ▾

Central Service Units ▾

Other courses ▾

Semester ▾

WiSe 24/25 ▶ Biology, Chemis... ▶ Masterstudienga... ▶ Course

Biochemistry

Masterstudiengang Biochemie (Studienordnung 2024)

0390b_MA120

Advanced Biochemistry A – Current Topics in Nucleic Acid and Protein Biology (5 LP)

0390bA1.1

216101a LECTURE

Advanced Biochemistry - Part 1: Nucleic Acids and Proteins (Sutapa Chakrabarti, Christian Freund, Florian Heyd, Alexander Meissner, Markus Wahl, Lydia Herzel, Jana Sticht)

Schedule: Vorlesung: Freitag, 15:00 - 16:30 h Seminar: Freitag, 16:30 - 17:00 h (Class starts on: 2024-10-18)

Location: Hs Kristallographie, Takustr. 6

216101b SEMINAR

Advanced Biochemistry - Part 1: Nucleic Acids and Proteins (Sutapa Chakrabarti, Christian Freund, Florian Heyd, Alexander Meissner, Markus Wahl, Lydia Herzel, Jana Sticht)

Enter a search term

Combine search terms by AND

Search now

Filter the results

PFLICHTBEREICH (10 LP)

Grundlagen (10 LP) 2 Modules

WAHLPFLICHTBEREICH (80 LP)

Studienbereich Methoden (15 LP) 11 Modules

Studienbereich Angeleitete Forschung (45 LP) 10 Modules

Studienbereich Fachnahe Erweiterung (10 LP) 22 Modules

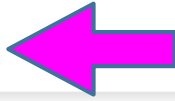
Studienbereich Freie Ergänzung (10 LP) 3 Modules

SHOW ALL MODULES

Blackboard



FU BB



Anmelden

Alle Bilder News Videos Bücher Web Finanzen

Suchfilter

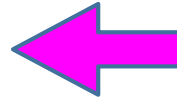


Freie Universität Berlin

<https://ims.fu-berlin.de>



[FU-Blackboard - Freie Universität Berlin](#)



Für diese Seite sind keine Informationen verfügbar.

[Weitere Informationen](#)



Freie Universität Berlin

<https://www.fu-berlin.de> > sites > blackboard



[Blackboard • Digitale Lehr- und Lernressourcen der Freien ...](#)

Einige der hier verlinkten E-Learning-Ressourcen befinden sich auf der Lernplattform Blackboard. An der Freien Universität Berlin steht seit 2004 mit Blackboard ...



Anthology

<https://fu-berlin.blackboard.com> · [Diese Seite übersetzen](#)



[Blackboard - Did you know Blackboard is now Anthology?](#)


Für diese Seite sind keine Informationen verfügbar.









- Distribution of course material
- Communication between instructors and students
- Enroll students
- Login: Zedat username/password

Blackboard



Courses



 Course Catalog

-  Start
-  Markus Wahl
-  Activity
-  Courses
-  Organizations
-  Calendar
-  Messages
-  Grades

 Terms: All Terms Filters: All courses 100 items per page

27 results

Wintersemester 2024/2025

- BIOCHEPHA_P_2164915bm_24W**
(FP) Molekularbiologie Original Course View ☆ ⋮
 Private · [Start now](#) | [Multiple Instructors](#) | [More info](#) ▾
- BIOCHEPHA_P_2162815bm_24W**
(FP) Strukturbiochemie Original Course View ☆ ⋮
 Private · [Start now](#) | [Multiple Instructors](#) | [More info](#) ▾
- BIOCHEPHA_S_2164915am_24W** ?

Blackboard

(V) Fortgeschrittene Biochemie Teil 1 BIOCHEPHA_V_216101a_24W

(Course is unavailable to students)

Announcements



Edit Mode is:

ON



(V) Fortgeschrittene
Biochemie Teil 1
(BIOCHEPHA_V_216101a_24W)

Announcements

Schedule

Lectures

Course material

Exam

Contact

Send email

Groups

Primo literature search

Course Management

Announcements

New Announcements appear directly below the repositionable bar. Reorder by dragging announcements to new positions. Move priority announcements above the repositionable bar to pin them to the top of the list and prevent new announcements from superseding them. The order shown here is the order presented to students. Students do not see the bar and cannot reorder announcements.

Create Announcement

New announcements appear below this line

Wichtige Informationen zu Ihrem Blackboard-Kurs

Posted on: Tuesday, September 3, 2024 4:35:26 PM CEST

Liebe Lehrende der Freien Universität!

Um Ihnen die Arbeit mit der Lernplattform Blackboard zu erleichtern, haben wir die häufigsten Fragen zu Blackboard für Sie hier im Überblick zusammengestellt:

- [Darf ich iFrames zur Einbettung externer Inhalte nutzen?](#)
- [Wie ist die neue Navigation in Blackboard aufgebaut?](#)

Posted by: System Administrator (API)
Posted to: (V) Fortgeschrittene Biochemie Teil 1
BIOCHEPHA_V_216101a_24W

Study Area Basics

**Basics
(compulsary)**

Advanced Biochemistry A
Nucleic Acid,
Proteins
5 CP

Advanced Biochemistry B
Cellular Membranes,
Signal Transduction
5 CP

Graded

- Lecture & seminar series
- Fridays, 15:00 – 17:00 h
- Exams: end of lecture time
- Retake exams: end of lecture-free time
- Exams / retake exams scheduled 2 weeks apart
- One improvement trial
 - Improvement possible until end of semester 4
 - But ideally use exam & retake exam of the same semester
- **Try to finish both ABC-A/B during the first 2 semesters**

Study Area Methods

Methods (compulsary elective)

Methods Module
Subject Area 1
5 CP

Methods Module
Subject Area 2
5 CP

Methods Module
Subject Area 3
5 CP

Not Graded

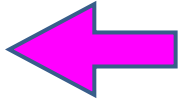
- 2-week, all-day block courses (5 CP)
 - Molecular Biology
 - Structural Biology and Biophysics
 - Molecular Genetics
 - Cell Biology
 - Computational Biology, Bioinformatics & Data Analysis
 - Molecular Biomedicine
- 4-week, all-day block course (10 CP)
 - Molecular Biology, Structural Biology and Biophysics
- Several specific courses can be used for the above „place holder“ Methods Modules (tombola)
- **You have to complete 15 CPs in this Study Area**

Homepage > Chemistry and Biochemistry > Biochemistry > Master > Information for enrolled students

Information for enrolled students

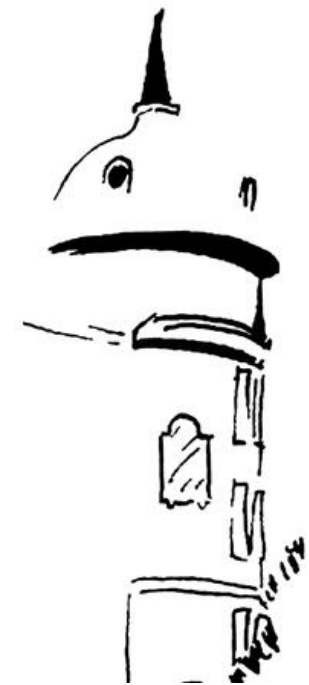
Please find the guideline for your master studies [here](#)

The presentation to the master's studies is [here](#).

You find a summary of the available methods modules [here](#). 

A calendar with the respective dates can be found [here](#).

The form for attendance of Lise-Meitner-Kolloquia is available [here](#).



Tombola

- Distribution of slots in Methods Modules
- Online: <https://kleier.userpage.fu-berlin.de/exam/index.php?page=courses&start=216>
- Deadline first round: Wednesday, Oct 9, 22 h / 10 p.m.
- Deadline second round: Friday, Oct 11, 12 h / 12 noon
- No invitation? Contact: studbiochem@zedat.fu-berlin.de

Study Area Guided Research

Guided Research (compulsory elective)

Research Project
Subject Area 1
15 CP

Research Project
Subject Area 2
15 CP

Research Project
Subject Area 3
15 CP

Graded

- 12-week/450 h, all-day block courses (15 CP):
 - Literature Search and Research Design (5 CP) plus Research Design and Grant Writing (10 CP)
 - Molecular Biology A
 - Structural Biology and Biophysics A
 - Molecular Genetics A
 - Cell Biology A
 - Computational Biology, Bioinformatics & Data Analysis A
 - Molecular Biomedicine A
- **You have to complete 45 CPs in this Study Area**

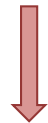
Literature Search and Research Design (5 CP)

Research Design and Grant Writing (10 CP)

Identify a relevant research problem
(critical literature search)



Develop it into a PhD thesis project
(frame specific questions, assess feasibility)



Describe it coherently according to a template
(an exercise in scientific writing)

216881a

Lectures/seminars and
individual meetings
with your mentor

Written summary of your project

216881b

Write a research proposal

Peer review one proposal

Forms



Prüfungsanmeldung, Rücktritt,
Wiederholung



Prüfungsausschuss



Der Studiengang im Detail

Informationen zu Prüfungen mit Master Biochemie

▼ Alles einblenden

▼ Anrechnung von Studienleistungen

▼ Entscheide des Prüfungsausschusses

▼ dezentrales Methodenmodul

▼ Forschungsmodule

▼ Abschlussarbeit

▼ Studienabschluss

Forms

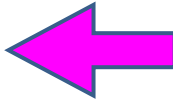
▲ Forschungsmodule

Ein **Forschungsmodul** ist, egal ob es intern oder extern absolviert werden soll, von den Studierenden **vier Wochen vorher anzumelden**.

Bevor ein Forschungsprojekt begonnen werden kann, ist die Genehmigung über den Prüfungsausschuss einzuholen.

Dazu reichen Sie bitte den ausgefüllten Antrag im Prüfungsbüro ein. Sollte das Forschungsprojekt abgelehnt werden oder andere Fragen auftauchen, setzen wir uns mit Ihnen per E-Mail in Verbindung. Andernfalls werden wir Ihnen das Forschungsmodul im Campus Management anmelden (affine Forschungsmodule unbenotet können erst nach der Absolvierung als Anerkennung im Campus Management eingetragen werden).

- Antrag / Anmeldung für ein unbenotetes Forschungsmodul
- Antrag / Anmeldung für ein benotetes Forschungsmodul



Wichtig: Bei der Anmeldung der Forschungsprojekte werden als Betreuer/innen / Prüfer/innen nur prüfungsberechtigte Personen zugelassen, dies sind in der Regel Professoren/Professorinnen (Prof.) oder Privatdozenten/Privatdozentinnen (PD).

Bitte beachten Sie dies bei der Suche einer Betreuungsmöglichkeit Ihrer Forschungsprojekte, da es sonst zur Ablehnung der Anmeldung der Forschungsprojekte durch den Prüfungsausschuss kommen kann. Bitte beachten Sie die Hinweise auf der letzten Seite der Anmeldung. Gleiches gilt auch für die Masterarbeit.

**Apply 4 weeks before
the planned start date**

Antrag zur Genehmigung / Anmeldung eines benoteten Forschungsprojekts (15 LP) im Masterstudiengang Biochemie

Von Studierenden auszufüllen und zu unterschreiben
To be completed and signed by the student

Name, Vorname:
Name, first name

Matrikelnr.:
Student ID

Tel.:

ZEDAT E-Mail:

@zedat.fu-berlin.de

Thema | *Topic*

Wissenschaftlicher Hintergrund | *Scientific background*

Make sure descriptions fit the selected subject area

Fragestellung bzw. Ziele | *Questions or aims*

Experimentelle Herangehensweise/Techniken | *Experimental approach/techniques*

Guidelines Active Participation and Oral Exam Graded Research Project (15 LP)

Students in the Master program Biochemistry enroll in three research projects worth 15 LP (at least 360 hours project work, 450 hours total). For the successful completion of a research project, students have to document their **active participation** and have to pass an **exam** after completion of the practical work.

Active participation

Besides the lab work for the research project, active participation involves **regular participation in the research seminar** of the hosting group and the **keeping of a lab notebook** according to common scientific standards. The lab notebook will remain with the host group. In addition, students have to compose a **short written report** (about 5 pages) according to the attached format, which they have to hand in to the supervisor and send in digital form to the examination office. The supervisor has to confirm the active participation on the certificate of performance (“Leistungsnachweis”).

Exam

The exam consists of an **oral presentation** (duration about 15 – 30 minutes), which the student gives in front of the host group, and a following **defense** in front of the supervisor (or another person who is officially eligible as an examiner) and a minute taker (duration about 30 minutes). The person giving the exam must be officially entitled to be an examiner. Professors, “Privatdozenten”, lecturers with a teaching assignment at the FU Berlin and individuals approved by the examination committee are automatically entitled to give exams. In exceptional cases, other persons can be declared eligible as examiners (please address corresponding questions to the

Outline for a Report on a Graded Research Project (15 LP)

Cover Page

- Title of the research project
- Name of the student
- Student ID
- Name of the supervisor
- Host institution
- Place and Date

Abstract/Summary

- Maximum 0.5 pages

Introduction

- Concise description of the state of the art, focusing on the aspects that led to the project
- Maximum 1 page

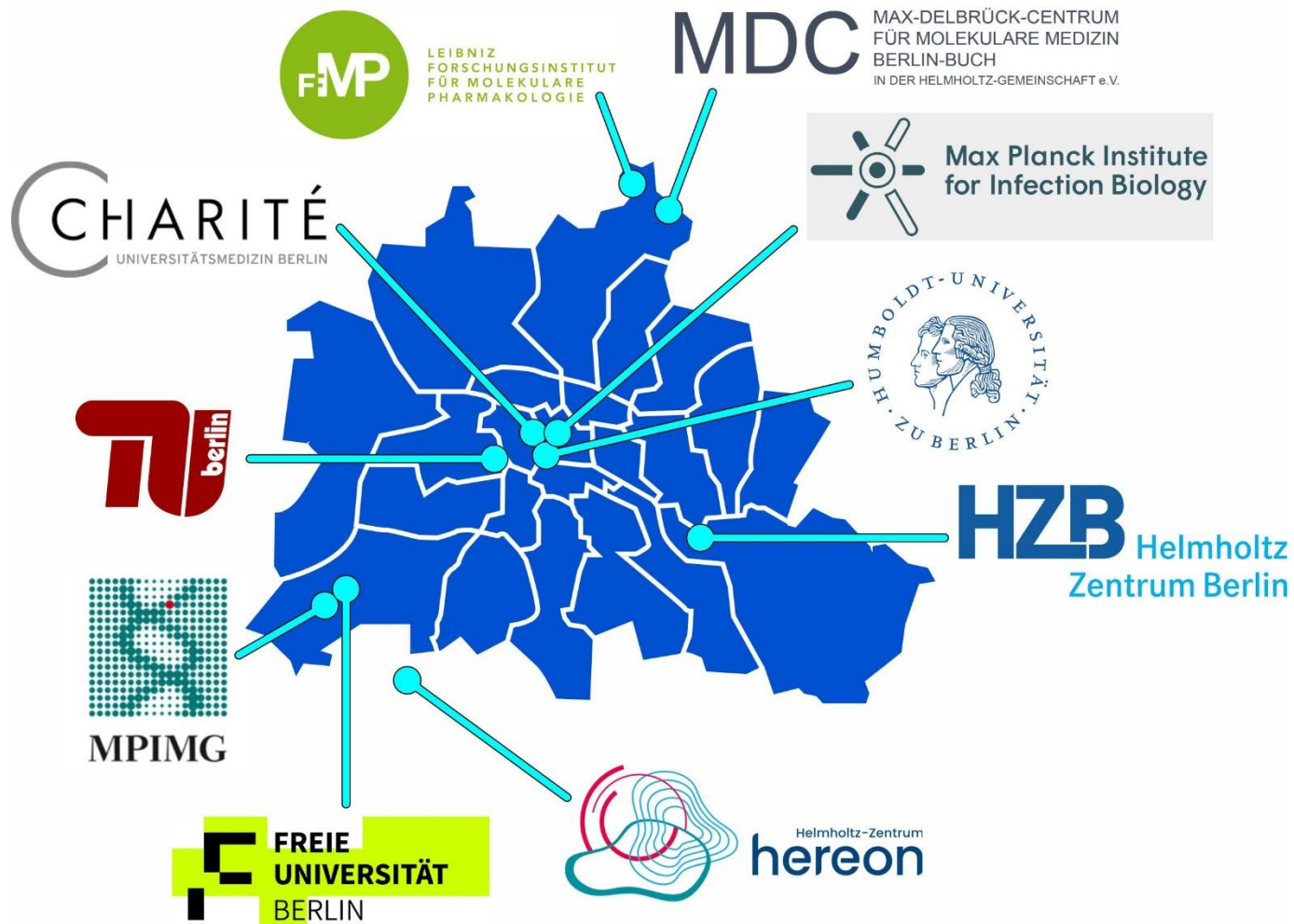
Materials and Methods

- In sufficient detail or referenced to allow independent reproduction
- Length variable



You can do Research Projects elsewhere

Also possible:



Applying for Research Projects (in particular elsewhere)

- Check lab webpage
- Approach research group leaders *via* email (coherent and informative, yet concise)
- Introduce yourself
- (Explain what a “Research Project” is)
- Explain how you learned about the lab
- Explain why you are interested in the lab / the research topic
- Explain your background/skills
- Attach your CV and transcripts (or at least offer to send them)
- Offer to send more information (Bachelor’s thesis, letters or reference)

Supervisors/examiners of Research Projects and Theses

- Professors in the field (worldwide)
- “Privatdozenten” in the field (worldwide)
- People who hold a “Habilitation” or equivalent in the field (worldwide)
- Senior scientists with teaching obligation at Freie Universität who have been approved by the Examination Board
- Group Leaders who have been approved by the Examination Board (worldwide)

Study Area Subject-Related Complementation

Subject-Related Complementation (elective)

Specialization Module 1 5 CP

Specialization Module 2 5 CP

- Literature Search and Research Design (5 CP)
- 10-CP (8-week/300 h) or 5-CP (4-week/150 h) Research Projects
 - Molecular Biology B or C
 - Structural Biology and Biophysics B or C
 - Molecular Genetics B or C
 - Cell Biology B or C
 - Computational Biology, Bioinformatics & Data Analysis B or C
 - Molecular Biomedicine B or C
- Teaching in Biochemistry (5 CP)
- Special Aspects of Biochemistry A (5 CP)
- Special Aspects of Biochemistry B (5 CP)
- Special Aspects of Biochemistry C (5 CP)
- Special Aspects of Biochemistry D (5 CP)
- **You have to complete 10 CPs in this Study Area**

Graded or not graded

Study Area Subject-Related Complementation

Subject-Related Complementation (elective)

Specialization Module 1 5 CP

Specialization Module 2 5 CP

- Literature Search and Research Design (5 CP)
- 10-CP (8-week/300 h) or 5-CP (4-week/150 h) Research Projects
 - Molecular Biology B or C
 - Structural Biology and Biophysics B or C
 - Molecular Genetics B or C
 - Cell Biology B or C
 - Computational Biology, Bioinformatics & Data Analysis B or C
 - Molecular Biomedicine B or C
- Teaching in Biochemistry (5 CP)
- Special Aspects of Biochemistry A (5 CP)
- Special Aspects of Biochemistry B (5 CP)
- Special Aspects of Biochemistry C (5 CP)
- Special Aspects of Biochemistry D (5 CP)

Graded or not graded

“Place holder” modules, e.g., for accepting courses from elsewhere

Study Area Freely Selectable Complementation

Freely Selectable Complementation (elective)

Elective Module 1 10 CP

- Any remaining course of Study Area Methods
- Any remaining course of Study Area Subject-Related Complementation
- Courses of other programs at Freie Universität
- Courses of other programs at other universities (upon application)
- **You have to complete 10 CPs in this Study Area**

Graded or not graded

Registering for courses

- Individually through Campus Management
- Plan judiciously what you can manage
- Avoid “hoarding“ of courses

Ideas and suggestions

- Apply for Research Projects, Thesis well ahead of the planned start date
- Several graded 15-CP Research Projects can be done in the same lab and their contents can be closely related
- 5/10-CP Research Projects can also be combined with a 15-CP Research Project in the same lab
- Conduct 5/10/15-CP Research Project right before Master's thesis in the same lab?
- In principle, we are prepared to accept equivalent courses taken elsewhere and suitable online courses
- **Check with the Examination Office before enrolling in a course (well ahead of time)!**
- Detailed info on the course and suggested equivalent to Examination Office

Exemplary means adjustable

Study Area	Basics (compulsary)	Methods (compulsary elective)	Guided Research (compulsary elective)	Subject-Related Complementation (elective)	Freely Selectable Complementation (elective)	CP
Semester 1	Advanced Biochemistry A Nucleic Acid, Proteins 5 CP	Methods Module Subject Area 1 5 CP	Research Project Subject Area 1 15 CP	Specialization Module 1 5 CP		30
Semester 2	Advanced Biochemistry B Cellular Membranes, Signal Transduction 5 CP	Methods Modules Subject Areas 2 & 3 10 CP		Specialization Module 2 5 CP	Elective Module 1 10 CP	30
Semester 3	Semester abroad (Research Project Subject Area 2, 15 CP; Research Project Subject Area 3, 15 CP)					30
Semester 4	Master's Thesis 30 CP					30
120 CP						

Exemplary means adjustable

Study Area	Basics (compulsary)	Methods (compulsary elective)	Guided Research (compulsary elective)	Subject-Related Complementation (elective)	Freely Selectable Complementation (elective)	CP
Semester 1	Advanced Biochemistry A Nucleic Acid, Proteins 5 CP	Methods Module Subject Area 1 5 CP	Research Project Subject Area 1 15 CP	Specialization Module 1 5 CP		30
Semester 2	Advanced Biochemistry B Cellular Membranes, Signal Transduction 5 CP	Methods Modules Subject Areas 2 & 3 10 CP	Research Project Subject Area 2 15 CP (lecture-free time)	Specialization Module 2 5 CP		30
Semester 3	Semester abroad (Research Project Subject Area 3, 15 CP; Elective Module 1, 10 CP)					30
Semester 4	Master's Thesis 30 CP					30
120 CP						

Lise Meitner Seminars



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Events

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[James Hurley - The Breathtaking Molecular Gymnastics of Autophagy and Lysosomes](#)

Location: Thielallee 63, Lise-Meitner-Hörsaal

Oct 07, 2024 | 12:30 PM s.t.

[Marc Fifaz - Fixing the Alzheimer's brain with molecular glues for septins](#)

Location: Thielallee 63, Lise-Meitner-Hörsaal

Oct 11, 2024 | 12:30 PM s.t.

NEWS

[In-silico molecular modelling – Join our X-Student Research Group 2024!](#)

Sep 18, 2024 | [Knaus Group - Signal Transduction](#)

[Biochemistry-Retreat 2024](#)

Aug 13, 2024 | [Biochemistry](#)

[New collaborative project Dr. Tom Haltenhof/Heyd lab](#)

Oct 17, 2023 | [Biochemistry](#)



Questions?

- *Via* email to any faculty member
- *Via* email to Examination Office
- *Via* email to FSI
- *Via* email to Tom Bergmann (Student Advisor)
- *Via* email to Christian Freund(Faculty Advisor)
- **Only ask one at a time and allow for some response time**
- **Only use Zedat account for university matters**

Many thanks to ...

- FSI (**consider joining!**)
- Tom Bergmann (Student Advisor)
- Susanne Jäger (Central Administration Biochemistry)
- Janine Heinrich (Examinations Office)
- Björn Kleier (Office of Academic Affairs)
- Thorsten Grospietsch (Academic Studies and Teaching)