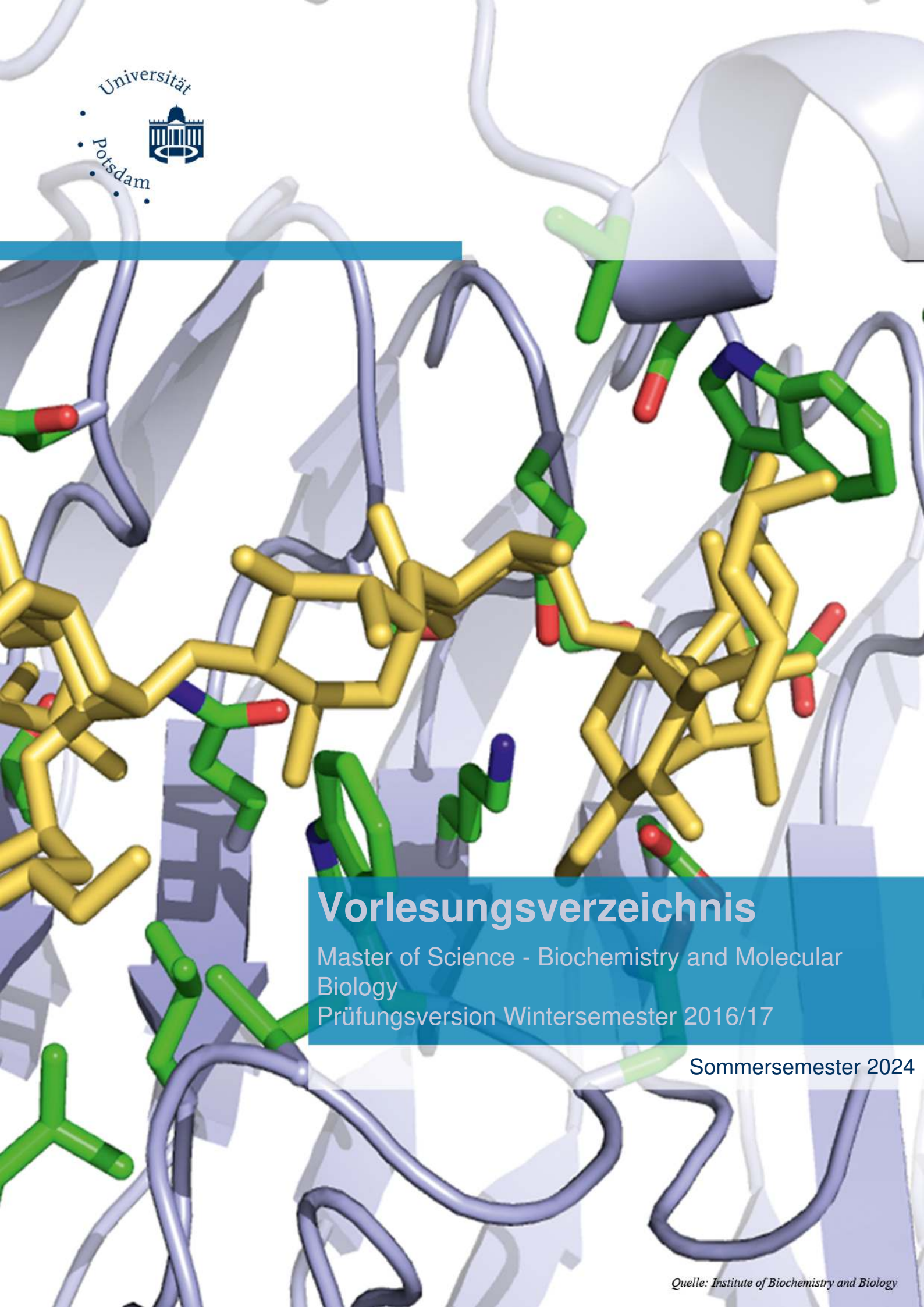

Vorlesungsverzeichnis

Master of Science - Biochemistry and Molecular Biology

Prüfungsversion Wintersemester 2016/17

Sommersemester 2024

Quelle: Institute of Biochemistry and Biology

Inhaltsverzeichnis

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Abkürzungsverzeichnis

Veranstaltungsarten

AG	Arbeitsgruppe
B	Blockveranstaltung
BL	Blockseminar
DF	diverse Formen
EX	Exkursion
FP	Forschungspraktikum
FS	Forschungsseminar
FU	Fortgeschrittenenübung
GK	Grundkurs
HS	Hauptseminar
KL	Kolloquium
KU	Kurs
LK	Lektürekurs
LP	Lehrforschungsprojekt
OS	Oberseminar
P	Projektseminar
PJ	Projekt
PR	Praktikum
PS	Proseminar
PU	Praktische Übung
RE	Repetitorium
RV	Ringvorlesung
S	Seminar
S1	Seminar/Praktikum
S2	Seminar/Projekt
S3	Schulpraktische Studien
S4	Schulpraktische Übungen
SK	Seminar/Kolloquium
SU	Seminar/Übung
TU	Tutorium
U	Übung
UN	Unterricht
UP	Praktikum/Übung
UT	Übung / Tutorium
V	Vorlesung
V5	Vorlesung/Projekt
VP	Vorlesung/Praktikum
VS	Vorlesung/Seminar
VU	Vorlesung/Übung
W	Werkstatt
WS	Workshop

Veranstaltungsrhytmen

wöch.	wöchentlich
14t.	14-täglich
Einzel	Einzeltermin
Block	Block
BlockSa	Block (inkl. Sa)
BlockSaSo	Block (inkl. Sa,So)

Andere

N.N.	Noch keine Angaben
n.V.	Nach Vereinbarung
LP	Leistungspunkte
SWS	Semesterwochenstunden
	Belegung über PULS
PL	Prüfungsleistung
PNL	Prüfungsnebenleistung
SL	Studienleistung
L	sonstige Leistungserfassung

Vorlesungsverzeichnis

Pflichtmodule

BIO-B-KM1 - State of the Art in Biochemistry and Molecular Biology

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-KM2 - Practical Bioinformatics

106957 VU - Practical Bioinformatics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Do	14:15 - 15:45	wöch.	2.70.0.01	11.04.2024	Dr. Detlef Groth
1	U	Do	16:15 - 17:45	wöch.	2.70.0.01	11.04.2024	Dr. Detlef Groth, Mahdis Habibpourfatideh

Kommentar

Lecture and Exercises take place in presence but E-learning for Lectures and Exercise course with video materials and PDF files of the lecture slides and exercises might be as well possible with a few limitations.

Literatur

Literature

* https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf

* https://waveland.com/Glover-Mitchell/r-guide.pdf

* https://www.ics.uci.edu/~babaks/BWR/Home.html

Leistungen in Bezug auf das Modul

PNL 543411 - Vorlesung und Übung (unbenotet)

Vertiefungsmodul

BIO-B-VM - Advanced Research Practical

105847 PR - Advanced Research Practical Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. Irene Meyer
	Cell Biology of the centrosome						
2	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. Marianne Grafe
	Cell Biology of the nuclear envelope						

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

106176 PR - Advanced Research Practical Biopolymeranalytics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

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Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106185 PR - Advanced Research Practical Enzymology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

4 weeks lab course in preparation for the master thesis

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106200 PR - Advanced Research Practical Microbiology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Elke Dittmann-Thünemann

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106226 PR - Advanced Research Practical Physical Biochemistry

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, Dr. rer. nat. Anja Thalhammer

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106335 B - Advanced Research Practical - Evolutionary Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Dr. Kirsten Boysen, Dr. Andreas Abraham, Prof. Dr. Ralph Tiedemann, Dr. Marisol Dominguez
	Blockveranstaltung, Zeit nach Vereinbarung						

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106764 PR - Advanced Research Practical Plant Molecular Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. Omid Karami

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106766 PR - Advanced Research Practical Synthetic Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. rer. nat. Lena Hochrein

Leistungen in Bezug auf das Modul	
SL	543511 - Praktikum (4 Wochen) (unbenotet)

106971 PR - Advanced Research Practical Evolutionäre Genomik

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Michael Hofreiter, Dr. Stefanie

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							Hartmann, Dr. rer. nat. Patrick Arnold

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

106975 PR - Advanced Research Practical Epigenetics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. Tim Crawford, Prof. Dr. Isabel Bäurle, Dr. Loris Pratx

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

106991 PR - Advanced Research Practical Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Markus Grebe, Dr. Michael Sauer, Dr. rer. nat. Andres Eduardo Rodriguez Cubillos

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

106997 FP - Advanced Research Practical in Plant Vascular Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FP	N.N.	N.N.	Block	N.N.	N.N.	Dr. rer. nat. René Schneider

Kommentar

Millions of years of evolution have perfected plant water transport, making it a fascinating subject of research. In our research group, we want to understand exactly how the water-conducting vessels work and how they are "built" by the plants.

During the 6-week internship in Dr. Schneider's research group, you will have the opportunity to dive into the cell biology of water-conducting vessels in the model plant Arabidopsis thaliana. The main methods to be learned range from the basic handling of plants in a sterile laboratory environment, cultivation, and genotyping of plants, crosses, and transformation of genetic constructs as well as their investigation using microscopy and automated image processing and quantification.

After this internship, you will be ideally prepared for a job as a research assistant in cell and plant biology in a scientific (university) or industrial environment.

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

106999 PR - Advanced Research Practical Biological Physics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Carsten Beta

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

107001 PR - Advanced Research Practical Plant Genetics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Michael Lenhard

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

107056 PR - Advanced Research Practical Animal Physiology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Otto Baumann

Abkürzungen entnehmen Sie bitte Seite 7

2	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salim Seyfried, Dr. Claudia Rödel, N.N.

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

107086 PR - Advanced Research Practical Biochemistry

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Petra Wendler

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

107105 PR - Advanced Research Practical Molecular Biotechnology / Immunology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

107255 PR - Advanced Research Practical Molecular Bioanalysis

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Frank Bier

Leistungen in Bezug auf das Modul

SL 543511 - Praktikum (4 Wochen) (unbenotet)

Richtungsmodule

BIO-B-RM1 - Nanobiotechnology

107256 VS - Analytische Biochemie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	14:15 - 15:45	wöch.	2.25.B0.01	08.04.2024	Prof. Dr. Frank Bier, Prof. Dr. Frieder Scheller
1	S	Di	14:15 - 15:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Frank Bier
	Aktuelle Arbeiten der Bioanalytik und Nanobiotechnologie						

Kommentar

The course may be selected as 6 LP module also without a lab course

For the 11 LP module BIO-B-RM1 6 weeks practical is offered for a restricted number only

Bemerkung

Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule

Leistungen in Bezug auf das Modul

SL 543611 - Forschungsthemen der Nanobiotechnologie/Biosensorik/Bioanalytik (unbenotet)

107257 PR - Analytische Biochemie practical

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Frank Bier

Kommentar

Alternatively, 6 weeks practical work may be performed in an external entity. Please contact the teachers

Leistungen in Bezug auf das Modul

SL 543612 - Praktikum (6 Wochen) (unbenotet)

BIO-B-RM2 - Cellular Signal Transduction

106186 PR - Cellular Signal Transduction 6-week practical

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Kommentar

For the Richtungsmodul Cellular Signal Transduction (BIO-B-RM2) the lecture (winter term) and the seminar (summer term) have to be attended.

Leistungen in Bezug auf das Modul

SL 543712 - Praktikum (6 Wochen) (unbenotet)

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 543711 - Vorlesung und Seminar (unbenotet)

BIO-B-RM3 - Evolutionary Genomics (Evolution across Scales module D)

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM4 - Antibody-Technologies

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM5 - Novel Cloning Technologies for Future Biotechnology

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM6 - Animal Models in Developmental Biology and Cell Physiology

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM7 - Bioelectronics

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM8 - Immunotechnology

106994 S - Immuntechnologie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	12:15 - 13:45	14t.	2.25.B2.01	12.04.2024	Dr. rer. nat. Olaf Behrsing

Kommentar

Nach der Anmeldung über PULS erhalten Sie das Paßwort für das Moodle Biotechnologie und Immunologie. Dort finden Sie alle Folien aus dem letzten Semester als pdf. Die aktuellen pdfs werden immer erst kurz nach dem betreffenden Seminar verfügbar sein. Im Sommersemester findet das Seminar grundsätzlich auf Deutsch statt, Seminarvorträge auf Englisch sind möglich. Im Wintersemester gibt es das gleiche Seminar auf Englisch.

Von allen Teilnehmern wird die Präsentation eines Papers erwartet, die Themen finden Sie am Ende des 1. Seminars. Das Seminar wird in Präsenz stattfinden.

Leistungen in Bezug auf das Modul

PNL 544311 - Immuntechnologie (unbenotet)

107111 PR - Immunotechnology/Biotechnology (Practical)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	6 week practical (intern or extern)						

Kommentar

- part of the module BIO-B-RM8 Immunotechnology
- internal or external practical possible, can be done any time
- participants are responsible for organizing a practical themselves; admittance via PULS does not automatically guarantee a place!
- further information can be found in the moodle course "Immunotechnology" in the section "Practical"

Leistungen in Bezug auf das Modul

SL 544312 - Praktikum im Bereich Immunologie oder Biotechnologie (6 Wochen) (unbenotet)

BIO-B-RM9 - Synthetic Biology

106189 B - 6-Wochen Blockpraktikum am Fraunhofer IZI-BB

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Dr. Harald Seitz

Kommentar

Ansprechpartner:

PD Dr. Harald Seitz

Fraunhofer Institute for Cell Therapy and Immunology Branch Bioanalytics and Bioprocesses (IZI-BB) Biomarker Validation and Assay Development

Am Mühlenberg 13 14476 Potsdam-Golm

Tel.: 0331 58187-208; harald.seitz@izi-bb.fraunhofer.de

Leistungen in Bezug auf das Modul

SL 544412 - Praktikum (6 Wochen) (unbenotet)

107108 PR - Synthetic Biology (Practical)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	6 week practical (intern or extern)						

Kommentar

- part of the module BIO-B-RM9 "Synthetic Biology"
- internal or external practical possible, can be done any time
- participants are responsible for organizing a practical themselves; admittance via PULS does not automatically guarantee a place!
- further information can be found in the moodle course "Synthetic Biology" in the section "Practical"

Leistungen in Bezug auf das Modul

SL 544412 - Praktikum (6 Wochen) (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 544411 - Vorlesung und Seminar (unbenotet)

BIO-B-RM10 - Modern Methods in Light Microscopy

106205 VS - Modern Methods in Light Microscopy

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	10:15 - 11:45	wöch.	2.26.0.66	10.04.2024	Prof. Dr. Salvatore Chiantia, Prof. Dr. Ralph Gräf, apl. Prof. Dr. Otto Baumann
Alle	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	literature-seminar (1 SWS) en-bloc; time will be announced; both literature seminar and hands-on seminar are obligatory						
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia
	Online hands-on-Seminar Programmierung						
2	S	Fr	12:15 - 14:15	14t.	2.26.0.66	19.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						
3	S	Fr	12:15 - 14:15	14t.	2.26.0.66	26.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

Kommentar

The lecture is identical for all students. The **hands-on seminar is different for group 1 and groups 2/3** . The group 1 hands-on seminar covers programming, whereas the hands-on seminar for groups 2 and 3 is focused on microscope technology. Note that there isa **max. number of participants of 6 for group 2 and of 6 for group 3** .

Literature seminar (1 SWS; obligatory) is planned to be at the end of or after the lecture period and identical for groups 1-3.

Leistungen in Bezug auf das Modul

PNL 544511 - Moderne Methoden der Lichtmikroskopie (unbenotet)

106206 PR - Modern Methods in Light Microscopy - P

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	Raum und Zeit nach Absprache						

Kommentar

6 weeks lab course, individually schedulable

Leistungen in Bezug auf das Modul

SL 544512 - Moderne Methoden der Lichtmikroskopie (6 Wochen) (unbenotet)

BIO-B-RM11 - Physiology of Microorganisms

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM12 - Current Aspects and Methods of Plant Cell Biology

106986 FP - Current Aspects and Methods of Plant Cell Biology (Research Practical)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FP	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Markus Grebe, Dr. Michael Sauer, Dr. rer. nat. Andres Eduardo Rodriguez Cubillos, Dr. rer. nat. René Schneider, Matija Stanic

Kommentar

Only a very limited number of places can be offered. For further information, please, contact Prof. Dr. Markus Grebe at markus.grebe@uni-potsdam.de

Bemerkung

6-week practical for the orientation module (Richtungsmodul) BIO-B-RM12

Leistungen in Bezug auf das Modul

SL 544712 - Current aspects and methods of plant cell biology (6 Wochen) (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 544711 - Current aspects and methods of plant cell biology (unbenotet)

BIO-B-RM13 - Evolutionary and Population Genetics

106970 VS - Genetic and genomic basis of evolutionary change

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Fr	08:15 - 09:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann
1	S	Fr	10:15 - 11:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann

Kommentar

Leistungen in Bezug auf das Modul

PNL 544811 - Evolutionary and Population Genetics (unbenotet)

108240 PR - Genetic and genomic basis of evolutionary change 6-week practical

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Hartmann, Prof. Dr. Michael Hofreiter
	Raum und Zeit nach Absprache						

Leistungen in Bezug auf das Modul

SL 544812 - Evolutionary and Population Genetics (6 Wochen) (unbenotet)

BIO-B-RM14 - Physical Methods in Live Cell Imaging (auslaufend)

Dieses Modul gilt, aufgrund einer Änderungssatzung, nur noch für Studierende, die das Modul vor dem 01.10.2023 begonnen haben. Das Modul läuft spätestens am 30.09.2025 aus.

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM15 - Metalloproteins

106182 VS - Metalloproteine

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

For the Richtungsmodul BIO-B-RM15 a 6-week practical is offered as a separate course, places are limited and will be discussed at the premeeting.

For the 8LP Modules (WM1, 3) 2-week practicals are offered and will be discussed during the premeeting and lecture

comment: the presence at the premeeting on May 10th 24 at 9 am is mandatory for the distribution of places in the practical course and planning of the course.

Lectures are blocked from September 16th-27 th. 24, whole day.

Leistungen in Bezug auf das Modul

SL 545011 - Forschungsthemen Proteinanalytik und Metalloproteine (unbenotet)

106184 PR - Metalloproteins - 6-week research project

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

6 Wochen Praktikum Richtungsmodul nach Absprache, Praktikum zur Vorlesung im Sommersemester,

participation at the premeeting on May 10th at 9 am is mandatory for the distribution of the places, places are limited.

Leistungen in Bezug auf das Modul

SL 545012 - Proteinanalytik (6 Wochen) (unbenotet)

BIO-B-RM16 - Current Aspects of Plant Physiology

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM17 - Epigenetics and Epigenomics in Plants, Animals and Fungi

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM18 - Microevolution/Conserving the Evolutionary process - (Evolution across Scales module C)

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM19 - The Central Role of Evolutionary Biology in Biosciences (Evolution across Scale module A)

106329 SK - Evolutionsbiologisches / Genetisches Kolloquium II

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	KL	Mo	16:15 - 17:45	wöch.	2.25.B0.01	08.04.2024	Prof. Dr. Ralph Tiedemann, Prof. Dr. Michael Lenhard, Prof. Dr. Michael Hofreiter, Dr. Marisol Dominguez

Leistungen in Bezug auf das Modul

PNL 545425 - Oberseminar Evolutionsbiologisches/Genetisches Kolloquium (unbenotet)

106336 U - Exercises on the role of evolution in biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	U	N.N.	N.N.	Block	N.N.	N.N.	Dr. Marisol Dominguez
	Zeit nach Vereinbarung						

Kommentar

Blockveranstaltung:

Leistungen in Bezug auf das Modul

PNL 545423 - Übung mit evolutionärem Bezug (unbenotet)

106337 V - The central role of evolution in biosciences

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Do	10:15 - 11:45	wöch.	2.25.B2.01	11.04.2024	Dr. Marisol Dominguez

Leistungen in Bezug auf das Modul

SL 545422 - Vorlesung mit evolutionärem Bezug (unbenotet)

106338 S - Integrative function of Evolutionary Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Do	09:15 - 10:00	wöch.	2.25.B2.01	11.04.2024	Andrew Sinnott

Leistungen in Bezug auf das Modul

PNL 545424 - Integrative function of Evolutionary Biology (unbenotet)

BIO-B-RM19 - The Central Role of Evolutionary Biology in Biosciences (Evolution across Scale module A) (auslaufend)

Dieses Modul gilt, aufgrund einer Änderungssatzung, nur noch für Studierende, die das Modul vor dem 01.10.2023 begonnen haben. Das Modul läuft spätestens am 30.09.2025 aus.

Für dieses Modul werden aktuell keine Lehrveranstaltungen angeboten

BIO-B-RM21 - Molecular Biology and Genome Research

107087 PR - Structural aspects in molecular biology and genome research - 6 week practical

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Petra Wendler, Dr. rer. nat. Sasa Petrovic

Leistungen in Bezug auf das Modul

SL 545612 - Forschungspraktikum (6 Wochen) (unbenotet)

BIO-B-RM22 - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 545711 - Lecture and Seminar (unbenotet)

106378 VS - Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	12:15 - 13:45	wöch.	2.27.1.01	09.04.2024	Prof. Dr. Ralph Gräf
1	S	Di	16:00 - 17:30	wöch.	2.26.0.53	09.04.2024	Dr. Marianne Grafe, Prof. Dr. Ralph Gräf, Dr. Irene Meyer

Kommentar

The module consists of either the lecture "Zellbiologie (Tiere)" (summer term; in German) or the lecture "Cell Biology for Life Scientists" (winter term; in English) and the Seminar "Cell Biology of Centrosomes and the Nuclear Envelope" (**the seminar is in English**).

Please register to the Moodle Courses:

Lecture: Gräf,R.: Modul Zellbiologie - VL Zellbiologie II

Seminar: Gräf,R.: Wahlpflichtmodul - Zelldynamik und Cytoskelett/Cell Biology of Centrosomes and the Nuclear Envelope

Bemerkung

For the Richtungsmodul BIO-B-RM22 a 6-week practical is offered as a separate course.

Leistungen in Bezug auf das Modul

PNL 545711 - Lecture and Seminar (unbenotet)

106380 FP - 6-week practical: Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FP	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Ralph Gräf, Dr. Marianne Grafe, Dr. Irene Meyer

Leistungen in Bezug auf das Modul

SL 545712 - Practical course (6 weeks) (unbenotet)

106973 PR - Epigenetics and Epigenomics Forschungspraktikum

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

6 week practical for the Richtungsmodul RM22.

Leistungen in Bezug auf das Modul

SL 545712 - Practical course (6 weeks) (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar
Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students. Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles. For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul	
PNL	545711 - Lecture and Seminar (unbenotet)

107064 VS - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul	
PNL	545711 - Lecture and Seminar (unbenotet)

107065 PR - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies Practical

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FP	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul	
SL	545712 - Practical course (6 weeks) (unbenotet)

Wahlpflichtmodule

BIO-B-WM1 - Biochemistry A

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar
2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul	
PNL	545911 - Vorlesung und Seminar (unbenotet)

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 545911 - Vorlesung und Seminar (unbenotet)

106182 VS - Metalloproteine

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

For the Richtungsmodul BIO-B-RM15 a 6-week practical is offered as a separate course, places are limited and will be discussed at the premeeting.

For the 8LP Modules (WM1, 3) 2-week practicals are offered and will be discussed during the premeeting and lecture

comment: the presence at the premeeting on May 10th 24 at 9 am is mandatory for the distribution of places in the practical course and planning of the course.

Lectures are blocked from September 16th-27 th. 24, whole day.

Leistungen in Bezug auf das Modul

PNL 545911 - Vorlesung und Seminar (unbenotet)

BIO-B-WM2 - Biotechnology A

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar

2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul

PNL 546011 - Vorlesung und Seminar (unbenotet)

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 546011 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546011 - Vorlesung und Seminar (unbenotet)

BIO-B-WM3 - Protein Science A

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar

2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul

PNL 546111 - Vorlesung und Seminar (unbenotet)

106182 VS - Metalloproteine

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

For the Richtungsmodul BIO-B-RM15 a 6-week practical is offered as a separate course, places are limited and will be discussed at the premeeting.

For the 8LP Modules (WM1, 3) 2-week practicals are offered and will be discussed during the premeeting and lecture

comment: the presence at the premeeting on May 10th 24 at 9 am is mandatory for the distribution of places in the practical course and planning of the course.

Lectures are blocked from September 16th-27 th. 24, whole day.

Leistungen in Bezug auf das Modul

PNL 546111 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546111 - Vorlesung und Seminar (unbenotet)

BIO-B-WM4 - Genome Research and Systems Biology A

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 546211 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

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Leistungen in Bezug auf das Modul

PNL 546211 - Vorlesung und Seminar (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 546211 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 546211 - Vorlesung und Seminar (unbenotet)

106996 PR - Image Analysis and Quantification

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. rer. nat. René Schneider

Kommentar

This course is offered as an intensive course (2 consecutive weeks from Monday to Friday). The course is suitable for students who have no previous experience of digital image analysis or for those who have some experience but wish to gain a deeper understanding. The course teaches the basics of digital image processing, introduces useful software tools, uses real-world examples, and teaches strategies for performing your own image analysis. A personal laptop is very helpful but not essential. **If you do not have a laptop or any other access to computers, please contact Dr. Schneider in advance** . After attending this course, you will be able to carry out your scientific work using image analysis in a well-founded and independent way, which is equally useful in research and in the private sector.

- Can be used for the 8 LP modules in combination with
- V/S "Current Aspects and Methods of Plant Cell Biology" (Prof. Grebe, WM4,5,6)
- or V/S "Cell Biology Of Centrosomes And The Nuclear Envelope" (Prof. Gräf, WM5,6).

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546211 - Vorlesung und Seminar (unbenotet)

BIO-B-WM5 - Molecular Biology A

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

Abkürzungen entnehmen Sie bitte Seite 7

106378 VS - Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	12:15 - 13:45	wöch.	2.27.1.01	09.04.2024	Prof. Dr. Ralph Gräf
1	S	Di	16:00 - 17:30	wöch.	2.26.0.53	09.04.2024	Dr. Marianne Grafe, Prof. Dr. Ralph Gräf, Dr. Irene Meyer

Kommentar

The module consists of either the lecture "Zellbiologie (Tiere)" (summer term; in German) or the lecture "Cell Biology for Life Scientists" (winter term; in English) and the Seminar "Cell Biology of Centrosomes and the Nuclear Envelope" (**the seminar is in English**).

Please register to the Moodle Courses:

Lecture: Gräf,R.: Modul Zellbiologie - VL Zellbiologie II

Seminar: Gräf,R.: Wahlpflichtmodul - Zelldynamik und Cytoskelett/Cell Biology of Centrosomes and the Nuclear Envelope

Bemerkung

For the Richtungsmodul BIO-B-RM22 a 6-week practical is offered as a separate course.

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

106996 PR - Image Analysis and Quantification

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. rer. nat. René Schneider

Kommentar

This course is offered as an intensive course (2 consecutive weeks from Monday to Friday). The course is suitable for students who have no previous experience of digital image analysis or for those who have some experience but wish to gain a deeper understanding. The course teaches the basics of digital image processing, introduces useful software tools, uses real-world examples, and teaches strategies for performing your own image analysis. A personal laptop is very helpful but not essential. **If you do not have a laptop or any other access to computers, please contact Dr. Schneider in advance** . After attending this course, you will be able to carry out your scientific work using image analysis in a well-founded and independent way, which is equally useful in research and in the private sector.

- Can be used for the 8 LP modules in combination with
- V/S "Current Aspects and Methods of Plant Cell Biology" (Prof. Grebe, WM4,5,6)
- or V/S "Cell Biology Of Centrosomes And The Nuclear Envelope" (Prof. Gräf, WM5,6).

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546311 - Vorlesung und Seminar (unbenotet)

BIO-B-WM6 - Cellular and Development Biology A

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 546411 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

Leistungen in Bezug auf das Modul

PNL 546411 - Vorlesung und Seminar (unbenotet)

106378 VS - Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	12:15 - 13:45	wöch.	2.27.1.01	09.04.2024	Prof. Dr. Ralph Gräf
1	S	Di	16:00 - 17:30	wöch.	2.26.0.53	09.04.2024	Dr. Marianne Grafe, Prof. Dr. Ralph Gräf, Dr. Irene Meyer

Kommentar

The module consists of either the lecture "Zellbiologie (Tiere)" (summer term; in German) or the lecture "Cell Biology for Life Scientists" (winter term; in English) and the Seminar "Cell Biology of Centrosomes and the Nuclear Envelope" (**the seminar is in English**).

Please register to the Moodle Courses:

Lecture: Gräf,R.: Modul Zellbiologie - VL Zellbiologie II

Seminar: Gräf,R.: Wahlpflichtmodul - Zelldynamik und Cytoskelett/Cell Biology of Centrosomes and the Nuclear Envelope

Bemerkung

For the Richtungsmodul BIO-B-RM22 a 6-week practical is offered as a separate course.

Leistungen in Bezug auf das Modul

PNL 546411 - Vorlesung und Seminar (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 546411 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 546411 - Vorlesung und Seminar (unbenotet)

106996 PR - Image Analysis and Quantification

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	PR	N.N.	N.N.	Block	N.N.	N.N.	Dr. rer. nat. René Schneider

Kommentar

This course is offered as an intensive course (2 consecutive weeks from Monday to Friday). The course is suitable for students who have no previous experience of digital image analysis or for those who have some experience but wish to gain a deeper understanding. The course teaches the basics of digital image processing, introduces useful software tools, uses real-world examples, and teaches strategies for performing your own image analysis. A personal laptop is very helpful but not essential. **If you do not have a laptop or any other access to computers, please contact Dr. Schneider in advance** . After attending this course, you will be able to carry out your scientific work using image analysis in a well-founded and independent way, which is equally useful in research and in the private sector.

- Can be used for the 8 LP modules in combination with
- V/S "Current Aspects and Methods of Plant Cell Biology" (Prof. Grebe, WM4,5,6)
- or V/S "Cell Biology Of Centrosomes And The Nuclear Envelope" (Prof. Gräf, WM5,6).

BIO-B-WM7 - Biochemistry B

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar

2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

106182 VS - Metalloproteine

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

For the Richtungsmodul BIO-B-RM15 a 6-week practical is offered as a separate course, places are limited and will be discussed at the premeeting.

For the 8LP Modules (WM1, 3) 2-week practicals are offered and will be discussed during the premeeting and lecture

comment: the presence at the premeeting on May 10th 24 at 9 am is mandatory for the distribution of places in the practical course and planning of the course.

Lectures are blocked from September 16th-27 th. 24, whole day.

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

106205 VS - Modern Methods in Light Microscopy

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	10:15 - 11:45	wöch.	2.26.0.66	10.04.2024	Prof. Dr. Salvatore Chiantia, Prof. Dr. Ralph Gräf, apl. Prof. Dr. Otto Baumann
Alle	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr.

							Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	literature-seminar (1 SWS) en-bloc; time will be announced; both literature seminar and hands-on seminar are obligatory						
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia
	Online hands-on-Seminar Programmierung						
2	S	Fr	12:15 - 14:15	14t.	2.26.0.66	19.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						
3	S	Fr	12:15 - 14:15	14t.	2.26.0.66	26.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

Kommentar

The lecture is identical for all students. The **hands-on seminar is different for group 1 and groups 2/3** . The group 1 hands-on seminar covers programming, whereas the hands-on seminar for groups 2 and 3 is focused on microscope technology. Note that there isa **max. number of participants of 6 for group 2 and of 6 for group 3** .

Literature seminar (1 SWS; obligatory) is planned to be at the end of or after the lecture period and identical for groups 1-3.

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

106413 VU - Biophysik der Zelle

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	14:15 - 15:45	wöch.	2.28.1.001	10.04.2024	Prof. Dr. Carsten Beta
1	U	Mi	16:15 - 17:45	14t.	2.28.1.001	10.04.2024	Agniva Datta
	Module 541a und 741a mit 3 SWS						
2	S	Mi	16:15 - 17:45	wöch.	2.28.1.001	10.04.2024	Agniva Datta
	Module BIO-B-WM7, BIO-B-WM8, BIO-B-WM12, BIO-AM3.11 mit 4 SWS						

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

106966 DF - Structural Bioinformatics for MS-BAM

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	10:15 - 11:45	wöch.	2.25.B2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.02	09.04.2024	apl. Prof. Dr. Dirk Walther

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

107256 VS - Analytische Biochemie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	14:15 - 15:45	wöch.	2.25.B0.01	08.04.2024	Prof. Dr. Frank Bier, Prof. Dr. Frieder Scheller
1	S	Di	14:15 - 15:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Frank Bier
	Aktuelle Arbeiten der Bioanalytik und Nanobiotechnologie						

Kommentar

The course may be selected as 6 LP module also without a lab course

For the 11 LP module BIO-B-RM1 6 weeks practical is offered for a restricted number only

Bemerkung

Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule

Leistungen in Bezug auf das Modul

PNL 546511 - Vorlesung und Seminar (unbenotet)

BIO-B-WM8 - Biotechnology B

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar

2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul

PNL 546611 - Vorlesung und Seminar (unbenotet)

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 546611 - Vorlesung und Seminar (unbenotet)

106413 VU - Biophysik der Zelle

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	14:15 - 15:45	wöch.	2.28.1.001	10.04.2024	Prof. Dr. Carsten Beta
1	U	Mi	16:15 - 17:45	14t.	2.28.1.001	10.04.2024	Agniva Datta
	Module 541a und 741a mit 3 SWS						
2	S	Mi	16:15 - 17:45	wöch.	2.28.1.001	10.04.2024	Agniva Datta
	Module BIO-B-WM7, BIO-B-WM8, BIO-B-WM12, BIO-AM3.11 mit 4 SWS						

Leistungen in Bezug auf das Modul

PNL 546611 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 546611 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546611 - Vorlesung und Seminar (unbenotet)

BIO-B-WM9 - Protein Science B

106174 B - Theoretische und Praktische Einführung in die Massenspektrometrie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	apl. Prof. Dr. Jörg Fettke

Kommentar

2 Wochen, Termin nach Vereinbarung, 2.20, AG Biopolymeranalytik

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

106182 VS - Metalloproteine

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Silke Leimkühler

Kommentar

For the Richtungsmodul BIO-B-RM15 a 6-week practical is offered as a separate course, places are limited and will be discussed at the premeeting.

For the 8LP Modules (WM1, 3) 2-week practicals are offered and will be discussed during the premeeting and lecture

comment: the presence at the premeeting on May 10th 24 at 9 am is mandatory for the distribution of places in the practical course and planning of the course.

Lectures are blocked from September 16th-27 th. 24, whole day.

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

106205 VS - Modern Methods in Light Microscopy

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	10:15 - 11:45	wöch.	2.26.0.66	10.04.2024	Prof. Dr. Salvatore Chiantia, Prof. Dr. Ralph Gräf, apl. Prof. Dr. Otto Baumann
Alle	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	literature-seminar (1 SWS) en-bloc; time will be announced; both literature seminar and hands-on seminar are obligatory						
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia
	Online hands-on-Seminar Programmierung						
2	S	Fr	12:15 - 14:15	14t.	2.26.0.66	19.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

3	S	Fr	12:15 - 14:15	14t.	2.26.0.66	26.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

Kommentar

The lecture is identical for all students. The **hands-on seminar is different for group 1 and groups 2/3** . The group 1 hands-on seminar covers programming, whereas the hands-on seminar for groups 2 and 3 is focused on microscope technology. Note that there isa **max. number of participants of 6 for group 2 and of 6 for group 3** .

Literature seminar (1 SWS; obligatory) is planned to be at the end of or after the lecture period and identical for groups 1-3.

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

106959 DF - Machine learning in bioinformatics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	10:15 - 11:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther
1	SU	Mi	12:15 - 13:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther

Kommentar

Lecture takes place in presence but self-learning with video materials and PDF files of the lecture slides will be as well possible.

Exercise will be done in the PC pools, E-Learning might be as well available here with limitations.

You need for this course good knowledge in statistics and(!) R programming. Python might work as well. Please un-register if you have not yet completed these courses or if you have do no not have sufficient knowledge in R and statistics yet. Students in master Biochemistry and Molecular Biology (BAM) for instance can take this course after successful completion of Practical Bioinformatics in Summer semester or taking Statistical Bioinformatics as elective course in Winter semester.

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

106966 DF - Structural Bioinformatics for MS-BAM

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	10:15 - 11:45	wöch.	2.25.B2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.02	09.04.2024	apl. Prof. Dr. Dirk Walther

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

107256 VS - Analytische Biochemie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	14:15 - 15:45	wöch.	2.25.B0.01	08.04.2024	Prof. Dr. Frank Bier, Prof. Dr. Frieder Scheller
1	S	Di	14:15 - 15:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Frank Bier
	Aktuelle Arbeiten der Bioanalytik und Nanobiotechnologie						

Kommentar

The course may be selected as 6 LP module also without a lab course

For the 11 LP module BIO-B-RM1 6 weeks practical is offered for a restricted number only

Bemerkung

Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule

Leistungen in Bezug auf das Modul

PNL 546711 - Vorlesung und Seminar (unbenotet)

BIO-B-WM10 - Genome Research and Systems Biology B

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

106959 DF - Machine learning in bioinformatics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	10:15 - 11:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther
1	SU	Mi	12:15 - 13:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther

Kommentar

Lecture takes place in presence but self-learning with video materials and PDF files of the lecture slides will be as well possible.

Exercise will be done in the PC pools, E-Learning might be as well available here with limitations.

You need for this course good knowledge in statistics and(!) R programming. Python might work as well. Please un-register if you have not yet completed these courses or if you have do no not have sufficient knowledge in R and statistics yet. Students in master Biochemistry and Molecular Biology (BAM) for instance can take this course after successful completion of Practical Bioinformatics in Summer semester or taking Statistical Bioinformatics as elective course in Winter semester.

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

106970 VS - Genetic and genomic basis of evolutionary change

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Fr	08:15 - 09:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann
1	S	Fr	10:15 - 11:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann

Kommentar

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

107003 VS - Experimentelles Design für Molekularbiologen

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	12:15 - 13:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel
1	S	Mi	14:15 - 15:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel

Abkürzungen entnehmen Sie bitte Seite 7

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

108228 VS - Molecular Biology and Genome Research

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	10:15 - 11:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						
1	S	Mo	12:15 - 13:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						

Leistungen in Bezug auf das Modul

PNL 546811 - Vorlesung und Seminar (unbenotet)

BIO-B-WM11 - Molecular Biology B

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Abkürzungen entnehmen Sie bitte Seite 7

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106205 VS - Modern Methods in Light Microscopy

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	10:15 - 11:45	wöch.	2.26.0.66	10.04.2024	Prof. Dr. Salvatore Chiantia, Prof. Dr. Ralph Gräf, apl. Prof. Dr. Otto Baumann
Alle	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	literature-seminar (1 SWS) en-bloc; time will be announced; both literature seminar and hands-on seminar are obligatory						
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia
	Online hands-on-Seminar Programmierung						
2	S	Fr	12:15 - 14:15	14t.	2.26.0.66	19.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						
3	S	Fr	12:15 - 14:15	14t.	2.26.0.66	26.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

Kommentar

The lecture is identical for all students. The **hands-on seminar is different for group 1 and groups 2/3** . The group 1 hands-on seminar covers programming, whereas the hands-on seminar for groups 2 and 3 is focused on microscope technology. Note that there isa **max. number of participants of 6 for group 2 and of 6 for group 3** .

Literature seminar (1 SWS; obligatory) is planned to be at the end of or after the lecture period and identical for groups 1-3.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106378 VS - Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	12:15 - 13:45	wöch.	2.27.1.01	09.04.2024	Prof. Dr. Ralph Gräf
1	S	Di	16:00 - 17:30	wöch.	2.26.0.53	09.04.2024	Dr. Marianne Grafe, Prof. Dr. Ralph Gräf, Dr. Irene Meyer

Kommentar

The module consists of either the lecture "Zellbiologie (Tiere)" (summer term; in German) or the lecture "Cell Biology for Life Scientists" (winter term; in English) and the Seminar "Cell Biology of Centrosomes and the Nuclear Envelope" (**the seminar is in English**).

Please register to the Moodle Courses:

Lecture: Gräf,R.: Modul Zellbiologie - VL Zellbiologie II

Seminar: Gräf,R.: Wahlpflichtmodul - Zelldynamik und Cytoskelett/Cell Biology of Centrosomes and the Nuclear Envelope

Bemerkung

For the Richtungsmodul BIO-B-RM22 a 6-week practical is offered as a separate course.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106959 DF - Machine learning in bioinformatics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	10:15 - 11:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther
1	SU	Mi	12:15 - 13:45	wöch.	2.70.0.01	10.04.2024	Dr. Detlef Groth, apl. Prof. Dr. Dirk Walther

Kommentar

Lecture takes place in presence but self-learning with video materials and PDF files of the lecture slides will be as well possible.

Exercise will be done in the PC pools, E-Learning might be as well available here with limitations.

You need for this course good knowledge in statistics and(!) R programming. Python might work as well. Please un-register if you have not yet completed these courses or if you have do no not have sufficient knowledge in R and statistics yet. Students in master Biochemistry and Molecular Biology (BAM) for instance can take this course after successful completion of Practical Bioinformatics in Summer semester or taking Statistical Bioinformatics as elective course in Winter semester.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106966 DF - Structural Bioinformatics for MS-BAM

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	10:15 - 11:45	wöch.	2.25.B2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.01	09.04.2024	apl. Prof. Dr. Dirk Walther
1	SU	Di	12:15 - 13:45	wöch.	2.25.D2.02	09.04.2024	apl. Prof. Dr. Dirk Walther

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106970 VS - Genetic and genomic basis of evolutionary change

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Fr	08:15 - 09:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann
1	S	Fr	10:15 - 11:45	wöch.	2.25.B2.01	12.04.2024	Prof. Dr. Michael Hofreiter, Dr. Stefanie Hartmann

Kommentar

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

107003 VS - Experimentelles Design für Molekularbiologen

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	12:15 - 13:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel
1	S	Mi	14:15 - 15:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

107109 VS - Synthetic Biology (Lecture/Seminar)

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Do	12:15 - 13:45	wöch.	2.26.0.66	11.04.2024	Prof. Dr. Katja Arndt
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule						
1	BL	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Katja Arndt
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule						

Kommentar

- After PULS-registration, you will receive the password for the moodle course "Synthetic Biology"
- Lectures includes active participation (presentation and discussion of selected publications by participants)
- Due to active participation and group work, the number of participants might need to be restricted

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

108228 VS - Molecular Biology and Genome Research

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	10:15 - 11:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						
1	S	Mo	12:15 - 13:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						

Leistungen in Bezug auf das Modul

PNL 546911 - Vorlesung und Seminar (unbenotet)

BIO-B-WM12 - Cellular and Development Biology B

106187 S - Cellular Signal Transduction

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mo	16:15 - 17:45	wöch.	2.25.B2.01	08.04.2024	apl. Prof. Dr. Gaby-Fleur Böl, Dr. Frank Neuschäfer-Rube, Prof. Dr. Tim Schulz

Kommentar

The **corresponding lecture** takes place during winter term and should be attended first.

For the Richtungsmodul **BIO-B-RM2** a 6-week practical is offered as a separate course.

For the 8LP Modules (**WM4,5,6**) 2-week practicals are offered.

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

106195 VS - Molecular Microbial Ecology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	14:15 - 15:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner
1	S	Mi	16:15 - 17:45	wöch.	2.25.F0.01	10.04.2024	Prof. Dr. Elke Dittmann-Thünemann, Prof. Dr. Susanne Liebner

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

106205 VS - Modern Methods in Light Microscopy

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	10:15 - 11:45	wöch.	2.26.0.66	10.04.2024	Prof. Dr. Salvatore Chiantia, Prof. Dr. Ralph Gräf, apl. Prof. Dr. Otto Baumann
Alle	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf, Dr. Marianne Grafe
	literature-seminar (1 SWS) en-bloc; time will be announced; both literature seminar and hands-on seminar are obligatory						
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia
	Online hands-on-Seminar Programmierung						

2	S	Fr	12:15 - 14:15	14t.	2.26.0.66	19.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						
3	S	Fr	12:15 - 14:15	14t.	2.26.0.66	26.04.2024	apl. Prof. Dr. Otto Baumann, Prof. Dr. Ralph Gräf
	Bemerkung: hands-on-Seminar Mikroskoptechnik						

Kommentar

The lecture is identical for all students. The **hands-on seminar is different for group 1 and groups 2/3** . The group 1 hands-on seminar covers programming, whereas the hands-on seminar for groups 2 and 3 is focused on microscope technology. Note that there isa **max. number of participants of 6 for group 2 and of 6 for group 3** .

Literature seminar (1 SWS; obligatory) is planned to be at the end of or after the lecture period and identical for groups 1-3.

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

106378 VS - Cell Biology Of Centrosomes And The Nuclear Envelope

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	12:15 - 13:45	wöch.	2.27.1.01	09.04.2024	Prof. Dr. Ralph Gräf
1	S	Di	16:00 - 17:30	wöch.	2.26.0.53	09.04.2024	Dr. Marianne Grafe, Prof. Dr. Ralph Gräf, Dr. Irene Meyer

Kommentar

The module consists of either the lecture "Zellbiologie (Tiere)" (summer term; in German) or the lecture "Cell Biology for Life Scientists" (winter term; in English) and the Seminar "Cell Biology of Centrosomes and the Nuclear Envelope" (**the seminar is in English**).

Please register to the Moodle Courses:

Lecture: Gräf,R.: Modul Zellbiologie - VL Zellbiologie II

Seminar: Gräf,R.: Wahlpflichtmodul - Zelldynamik und Cytoskelett/Cell Biology of Centrosomes and the Nuclear Envelope

Bemerkung

For the Richtungsmodul BIO-B-RM22 a 6-week practical is offered as a separate course.

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

106413 VU - Biophysik der Zelle

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
Alle	V	Mi	14:15 - 15:45	wöch.	2.28.1.001	10.04.2024	Prof. Dr. Carsten Beta
1	U	Mi	16:15 - 17:45	14t.	2.28.1.001	10.04.2024	Agniva Datta
	Module 541a und 741a mit 3 SWS						
2	S	Mi	16:15 - 17:45	wöch.	2.28.1.001	10.04.2024	Agniva Datta
	Module BIO-B-WM7, BIO-B-WM8, BIO-B-WM12, BIO-AM3.11 mit 4 SWS						

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

Abkürzungen entnehmen Sie bitte Seite 7

106977 VS - Epigenetics and Epigenomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Di	08:15 - 09:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx
1	S	Di	10:15 - 11:45	wöch.	2.25.B0.01	09.04.2024	Prof. Dr. Isabel Bäurle, Dr. Tim Crawford, Dr. Loris Pratx

Kommentar

Limited to 24 participants, if oversuscribed, preference will be given to Bachelor students and higher semester master students.

Online teaching adjustments possible depending on the situation: Lecture may be available online as podcast. Seminar online either as reading club or presentation of research articles.

For the 8LP Modules (WM4,5,6) 2-week practicals are offered during summer if possible.

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

106990 VS - Current Aspects and Methods of Plant Cell Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	12:15 - 13:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Vorlesung als Teil des Richtungsmoduls und der Wahlpflichtmodule.						
1	S	Mo	14:15 - 15:45	wöch.	2.25.B2.01	08.04.2024	Prof. Dr. Markus Grebe
	Seminar als Teil des Richtungsmoduls und der Wahlpflichtmodule.						

Kommentar

For the orientation module (Richtungsmodul) BIO-B-RM12 a 6-week practical is offered as a separate course during the lecture-free period. Only, a limited number of places can be offered. Please, contact markus.grebe@uni-potsdam.de .

For the 8 LP elective Modules (WM 4, 5, 6) a 2-week plant cell biology image analysis practical will be offered during the lecture-free period bei Dr. René Schneider at a limited number of places.

Alternatively, the 6 LP modules with lecture and seminar, only , can be taken.

Bemerkung

LECTURE and SEMINAR: Weekly throughout the semester from April 17, 2023. 2 x 45 min lecture, 2 x 45 min seminar, Monday from 12.15-15.30 h, on site lecture/seminar materials provided via Moodle (voiced over ,pptx and .pdf files). Please, contact markus.grebe@uni-potsdam.de .

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

107003 VS - Experimentelles Design für Molekularbiologen

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mi	12:15 - 13:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel
1	S	Mi	14:15 - 15:45	wöch.	2.25.B2.01	10.04.2024	Prof. Dr. Michael Lenhard, Dr. Christian Kappel

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

107004 VS - Presentation skills for life scientists

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Fr	08:15 - 09:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Isabel Bäurle
	Journal reading club						
1	V	Fr	10:15 - 11:45	wöch.	2.25.B0.01	12.04.2024	Prof. Dr. Michael Lenhard
	How to give presentations						

Kommentar

Online teaching adjustments: Reading club part will train written presentation skills by writing a summary of a research article answering a set of question.

The presentations skills ("How to give presentations" part) will take place in an online format. You will be asked to record your presentations as a video, submit them, every participant in the course will be asked to comment on the presentation, and then you will need to prepare an improved presentation for the next week.

More details on the precise procedure for the presentation training will be send around later, once you have registered for the course.

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

108228 VS - Molecular Biology and Genome Research

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Mo	10:15 - 11:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						
1	S	Mo	12:15 - 13:45	wöch.	N.N. (AG)	08.04.2024	Prof. Dr. Bernd Müller-Röber
	Seminar room in House 20						

Leistungen in Bezug auf das Modul

PNL 547011 - Vorlesung und Seminar (unbenotet)

BIO-B-WM13 - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies B

106178 B - Modern aspects of biochemistry and analytics of carbohydrates

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VS	N.N.	N.N.	Block	N.N.	N.N.	Dr. Stefanie Barbirz, apl. Prof. Dr. Jörg Fettke

Kommentar

Carbohydrates as part of glycan structures occur in all domains of life. Due to their ubiquitous role in cell-surface based signaling and information exchange a variety of glycan-based research fields has emerged during the last two decades. Especially developments in molecular biology and modern analytical methods have increased our knowledge about the ubiquitous role of carbohydrates in animals, plants, and bacteria.

The course will enable participants to develop an interdisciplinary perspective on the field of glycobiology. For this, in the beginning, a carbohydrate structure-based understanding of glycan biochemistry will be developed. This covers qualitative and quantitative carbohydrate analytics as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins.

Aim of this course is an insight into the interdisciplinary field of glycobiology. It will present an actual survey of the biochemistry of sugar building blocks, oligo- and polysaccharides in pro- and eukaryotic systems. Moreover, qualitative and quantitative carbohydrate analytics will be covered as well as the fundamental biophysical principles underpinning interactions of carbohydrates with proteins. Subject areas: Fundamentals on glycoconjugates. Structural and functional principles of the glycan conformational space. N-and O-linked glycosylation. Glycan analysis. Lectins and carbohydrate binding modules. Physicochemical principles of protein-carbohydrate interactions. Glycan arrays. Microbial glycobiology and pathogenesis.

Leistungen in Bezug auf das Modul

PNL 547112 - Seminar (unbenotet)

107060 S - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies B Seminar

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

PNL 547112 - Seminar (unbenotet)

107061 V - Current Research in Biochemistry and Molecular Biology in Local Research Institutes and Biotechnology Companies B Lecture

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

SL 547111 - Vorlesung (unbenotet)

BIO-B-WM14 - Biochemistry and Molecular Biology as Reflected in other Sciences A

107062 VU - Biochemistry and Molecular Biology as Reflected in other Sciences A

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

PNL 547211 - Vorlesung und Übung (unbenotet)

BIO-B-WM15 - Biochemistry and Molecular Biology as Reflected in other Sciences B

105469 VU - Introduction to Geomicrobiology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Fr	09:15 - 10:45	wöch.	2.27.1.10	12.04.2024	Prof. Dr. Dirk Wagner
1	U	Fr	11:00 - 11:45	wöch.	2.27.1.10	12.04.2024	Prof. Dr. Dirk Wagner

Leistungen in Bezug auf das Modul

PNL 547311 - Vorlesung und Übung (unbenotet)

106956 VU - Programming with R

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	VU	Mi	14:15 - 15:45	wöch.	2.25.D0.02	10.04.2024	Dr. Detlef Groth
1	B	N.N.	N.N.	Block	N.N.	N.N.	Dr. Detlef Groth
	Raum und Zeit nach Absprache						

Kommentar

Elective course Master Biochemistry and Molecular Biology. No programming knowledge is required. We learn R as a general purpose programming language without doing statistics.

This course will take place on a weekly schedule and then for the practical part as a block course end of September, 25.-29.9.. The lecture will take place in presence but video materials and PDF files of the lecture slides will pre provided as well. For the practical part you can use the computer pool PC's but as well your own notebook with an installed R.

Leistungen in Bezug auf das Modul

PNL 547311 - Vorlesung und Übung (unbenotet)

Abkürzungen entnehmen Sie bitte Seite 7

106958 VU - Programming Expertise

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Do	08:15 - 09:15	wöch.	2.70.0.01	11.04.2024	Dr. Detlef Groth, Dr. Christian Kappel
1	SU	Do	09:15 - 11:45	wöch.	2.70.0.01	11.04.2024	Dr. Christian Kappel, Dr. Detlef Groth

Kommentar

This is a bridge course for Master Bioinformatics. Students of Master Biochemistry and Molecular Biology can take this course as well as elective course. However the course Databases and Practical Programming in Winter Semester might be an better alternative for these students.

Lectures and exercises will be given in presence but E-learning course with video materials and PDF files of the lecture slides and exercises could be supported as well with some limitations.

The first six sessions on C programming, therafter we will learn C++ based on the modern standards for the C++ language.

No prior programming knowledge might be required, although it is helpful.

Leistungen in Bezug auf das Modul

PNL 547311 - Vorlesung und Übung (unbenotet)

107057 VU - Biochemistry and Molecular Biology as Reflected in other Sciences B

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

PNL 547311 - Vorlesung und Übung (unbenotet)

BIO-B-WM16 - Biochemistry and Molecular Biology in Practice A

107063 VU - Biochemistry and Molecular Biology in Practice A

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

PNL 547411 - Vorlesung und Übung (unbenotet)

BIO-B-WM17 - Biochemistry and Molecular Biology in Practice B

105469 VU - Introduction to Geomicrobiology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	V	Fr	09:15 - 10:45	wöch.	2.27.1.10	12.04.2024	Prof. Dr. Dirk Wagner
1	U	Fr	11:00 - 11:45	wöch.	2.27.1.10	12.04.2024	Prof. Dr. Dirk Wagner

Leistungen in Bezug auf das Modul

PNL 547511 - Vorlesung und Übung (unbenotet)

107058 VU - Biochemistry and Molecular Biology in Practice B

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	B	N.N.	N.N.	Block	N.N.	N.N.	Prof. Dr. Salvatore Chiantia, N.N.

Leistungen in Bezug auf das Modul

PNL 547511 - Vorlesung und Übung (unbenotet)

Fakultative Lehrveranstaltungen

106190 S - Doktorandenseminar

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	N.N.	N.N.	wöch.	N.N.	N.N.	Harald Seitz

Kommentar

Bei Interesse bitte per Mail melden:

PD Dr. Harald Seitz

Fraunhofer Institute for Cell Therapy and Immunology Branch Bioanalytics and Bioprocesses (IZI-BB) Biomarker Validation and Assay Development

Am Mühlenberg 13 14476 Potsdam-Golm

Tel.: 0331 58187-208; harald.seitz@izi-bb.fraunhofer.de

106224 S - Current Topics in Biophysical Chemistry

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Di	12:15 - 13:45	wöch.	2.25.B0.01	09.04.2024	Salvatore Chiantia, Martin Wolff

Kurzkommentar

Please contact Prof. Chiantia for more details about this seminar.

106329 SK - Evolutionsbiologisches / Genetisches Kolloquium II

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	KL	Mo	16:15 - 17:45	wöch.	2.25.B0.01	08.04.2024	Ralph Tiedemann, Michael Lenhard, Michael Hofreiter, Marisol Dominguez

106336 U - Exercises on the role of evolution in biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	U	N.N.	N.N.	Block	N.N.	N.N.	Marisol Dominguez
	Zeit nach Vereinbarung						

Kommentar

Blockveranstaltung:

106761 FS - Plant Molecular Biology and Genomics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FS	N.N.	N.N.	wöch.	N.N.	N.N.	Bernd Müller-Röber

Kommentar

The seminar will run during the whole semester (every Monday).

We will announce the time and room for this seminar via Email in the beginning of the semester.

Zielgruppe

für Bachelor- und Masterstudierende im Rahmen der Anfertigung einer Bachelor- oder Masterarbeit; Promovierende

Abkürzungen entnehmen Sie bitte Seite 7

106762 FS - Working Seminar "Gene Regulatory Networks"

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FS	N.N.	N.N.	wöch.	N.N.	N.N.	Bernd Müller-Röber, Omid Karami

Bemerkung

The seminar will run during the whole semester.

We will announce the day, time and room for this seminar via Email in the beginning of the semester.

Zielgruppe

für Bachelor- und Masterstudierende im Rahmen der Anfertigung einer Bachelor- oder Masterarbeit; Promovierende

106976 FS - Current Problems in Plant Epigenetics and Stress Adaptation

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mi	09:15 - 10:45	wöch.	N.N. (AG)	10.04.2024	Isabel Bäurle, Tim Crawford, Loris Pratx

Kommentar

Research seminar, especially for Bachelor and Master students during their thesis work and for PhD students, room 2.29.1.60

107006 FS - Current Research in Plant Developmental Genetics

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Mi	09:15 - 10:45	wöch.	N.N. (AG)	10.04.2024	Michael Lenhard, Christian Kappel, N.N.

Kommentar

Research seminar, especially for PhD students and for Bachelor and Master students during their thesis work

107088 FS - Aktuelle Probleme der Elektronenmikroskopie

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	FS	Mo	10:00 - 11:45	wöch.	2.25.B0.01	08.04.2024	Petra Wendler

107110 S - Modern Methods in Biotechnology and Synthetic Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	N.N.	N.N.	wöch.	N.N.	N.N.	Katja Arndt

Kommentar

This seminar is for members (students, Ph.D. students, postdocs) of the research group "Molecular Biotechnology" only.

107112 S - Current Literature in Biotechnology and Synthetic Biology

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	N.N.	N.N.	wöch.	N.N.	N.N.	Katja Arndt

Kommentar

This seminar is for members (students, Ph.D. students, postdocs) of the research group "Molecular Biotechnology" only.

107253 S - Ethik in den Life Sciences

Gruppe	Art	Tag	Zeit	Rhythmus	Veranstaltungsort	1.Termin	Lehrkraft
1	S	Di	16:15 - 17:45	wöch.	2.25.B0.01	09.04.2024	Frank Bier

Abkürzungen entnehmen Sie bitte Seite 7

107258 S - Aktuelle Arbeiten der Bioanalytik und Nanobiotechnologie							
Gruppe	**Art**	**Tag**	**Zeit**	**Rhythmus**	**Veranstaltungsort**	**1.Termin**	**Lehrkraft**
1	S	Di	14:15 - 15:45	wöch.	2.25.B0.01	09.04.2024	Frank Bier

Abkürzungen entnehmen Sie bitte Seite 7

Glossar

Die folgenden Begriffserklärungen zu Prüfungsleistung, Prüfungsnebenleistung und Studienleistung gelten im Bezug auf Lehrveranstaltungen für alle Ordnungen, die seit dem WiSe 2013/14 in Kranft getreten sind.

Prüfungsleistung	Prüfungsleistungen sind benotete Leistungen innerhalb eines Moduls. Aus der Benotung der Prüfungsleistung(en) bildet sich die Modulnote, die in die Gesamtnote des Studiengangs eingeht. Handelt es sich um eine unbenotete Prüfungsleistung, so muss dieses ausdrücklich („unbenotet“) in der Modulbeschreibung der fachspezifischen Ordnung geregelt sein. Weitere Informationen, auch zu den Anmeldemöglichkeiten von Prüfungsleistungen, finden Sie unter anderem in der Kommentierung der BaMa-O
Prüfungsnebenleistung	Prüfungsnebenleistungen sind für den Abschluss eines Moduls relevante Leistungen, die – soweit sie vorgesehen sind – in der Modulbeschreibung der fachspezifischen Ordnung beschrieben sind. Prüfungsnebenleistungen sind immer unbenotet und werden lediglich mit "bestanden" bzw. "nicht bestanden" bewertet. Die Modulbeschreibung regelt, ob die Prüfungsnebenleistung eine Teilnahmevoraussetzung für eine Modulprüfung oder eine Abschlussvoraussetzung für ein ganzes Modul ist. Als Teilnahmevoraussetzung für eine Modulprüfung muss die Prüfungsnebenleistung erfolgreich vor der Anmeldung bzw. Teilnahme an der Modulprüfung erbracht worden sein. Auch für Erbringung einer Prüfungsnebenleistungen wird eine Anmeldung vorausgesetzt. Diese fällt immer mit der Belegung der Lehrveranstaltung zusammen, da Prüfungsnebenleistung im Rahmen einer Lehrveranstaltungen absolviert werden. Sieht also Ihre fachspezifische Ordnung Prüfungsnebenleistungen bei Lehrveranstaltungen vor, sind diese Lehrveranstaltungen zwingend zu belegen, um die Prüfungsnebenleistung absolvieren zu können.
Studienleistung	Als Studienleistung werden Leistungen bezeichnet, die weder Prüfungsleistungen noch Prüfungsnebenleistungen sind.

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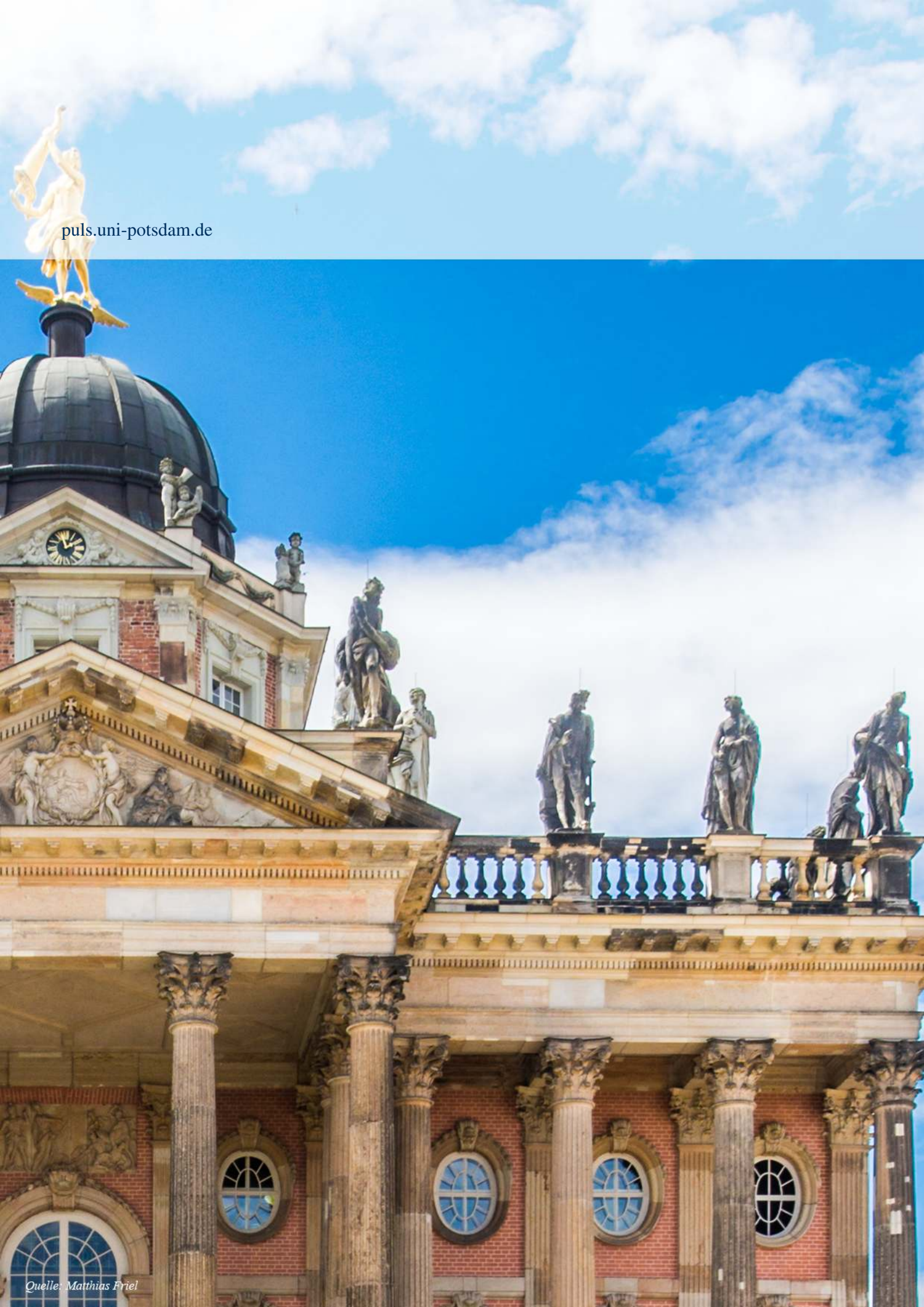

Quelle: Matthias Friel