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**Modulbezeichnung:** **Research Lab - Drug Discovery (DD-R-Lab)** **15 ECTS**  
 (Research Lab - Drug Discovery)

Modulverantwortliche/r: Peter Gmeiner

Lehrende: Markus Heinrich, Monika Pischetsrieder, Jutta Eichler, Andrea Büttner, Peter Gmeiner, Dagmar Fischer, Dozenten der beteiligten Fachgebiete

Startsemester: SS 2021

Dauer: 1 semester

Turnus: halbjährlich (WS+SS)

Präsenzzeit: 345 Std.

Eigenstudium: 105 Std.

Sprache: Englisch

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### Lehrveranstaltungen:

Research lab course (23 SWS) in one of the work groups of Molecular Life Science

- Attendance at lab course is compulsory!
  - Attendance at safety instructions is compulsory!
  - A valid laboratory insurance is mandatory for participation in the lab course - see: [www.laborversicherung.de](http://www.laborversicherung.de)
- Research Module - Drug Discovery (SS 2021, Praktikum, 23 SWS, Jutta Eichler et al.)
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### Inhalt:

Research lab project full time (about 6 weeks: 21SWS LAB/2SWS Seminar) in a work group of the student's choice at a research group in Medicinal Chemistry, Food Chemistry, or the disciplines of Biology involved in teaching at the Department of Chemistry and Pharmacy

### Lernziele und Kompetenzen:

Students ...

- are provided with the up-to-date practical and operative know-how suitable for future scientific and/or applied work in research institutes, pharmaceutical/food industry, medical care laboratories, bio-technological, bio-analytical and environmental branches
  - get an advanced theoretical background and an overview of emerging trends in life sciences (chemistry, biology and medicine)
  - look at living systems through the lens of basic chemical principles
  - are prepared to work in interdisciplinary environment and participate in national and international development of forefront fields such as translational medicine.
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### Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:

Das Modul ist im Kontext der folgenden Studienfächer/Vertiefungsrichtungen verwendbar:

#### [1] Molecular Science (Master of Science): 3. Semester

(Po-Vers. 2020w | NatFak | Molecular Science (Master of Science) | Research module | Research Lab - Drug Discovery)

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### Studien-/Prüfungsleistungen:

Research Lab - Drug Discovery (Prüfungsnummer: 30691)

Prüfungsleistung, Praktikumsleistung

Anteil an der Berechnung der Modulnote: 100%

weitere Erläuterungen:

Lab(PL): graded lab protocol of approx. 25 pages plus raw data documentation

Prüfungssprache: Englisch

Erstablingung: SS 2021, 1. Wdh.: WS 2021/2022

1. Prüfer: Peter Gmeiner

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### Organisatorisches:

Please note:

- Students have to register for the module (check registration periods)!
- Attendance in lab course and safety instructions are compulsory!
- Lab course is held as an in-class-course
- Lab course can be chosen in winter or summer term

- Time and place by appointment (in one of the involved working groups of Mol. Life Sc.), please contact the supervisor directly

**Bemerkungen:**

Please note:

- Research lab project (about 6 weeks: 21SWS LAB/2SWS Seminar) full time in a work group of the student's choice in Molecular Life Science