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

Modulverantwortliche/r: Peter Gmeiner

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

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Startsemester: WS 2020/2021	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 (WS 2020/2021, Praktikum, 23 SWS, Jutta Eichler et al.)

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**Inhalt:**

6 week lab project (15 SWS) fulltime in one of the research groups of Molecular Lifescience

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: WS 2020/2021, 1. Wdh.: SS 2021

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