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**Modulbezeichnung:** Research Module Inorganic chemistry (IC-R-Lab) 15 ECTS  
 (Research Module Inorganic chemistry)

Modulverantwortliche/r: Karsten Meyer

Lehrende: Karsten Meyer, Sjoerd Harder, Die Dozenten der Anorg. Chemie, Nicolai Burzlaff, Romano Dorta

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| Startsemester: WS 2021/2022 | 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 Inorganic Chemistry

- Attendance at lab course is compulsory!
  - Attendance at safety instructions is compulsory!
  - Attendance in winter or summer term possible!
  - A valid laboratory insurance is mandatory for participation in the lab course - see: [www.laborversicherung.de](http://www.laborversicherung.de)
- Research module Inorganic Chemistry (WS 2021/2022, Praktikum, 23 SWS, Anwesenheitspflicht, Die Dozenten der Anorg. Chemie)
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### Inhalt:

- practical laboratory experience aiming at introducing students to current and state of the art inorganic research topics
- work experience in a team of researchers
- establishing fundamental knowledge required for addressing individual molecular research problems at a state of the art level
- independent and self-driven approach to problem solving in an assigned research project

### Lernziele und Kompetenzen:

The students

- apply acquired fundamental knowledge and practical skills to an individual research problem that they work on independently
  - manage and apply the fundamental safety regulations important to handling hazardous compounds and instruct other coworkers in relevant safety topics
  - rank their own research results in the context of current literature and research papers in the field and record their results in appropriate scientific writing and documentation style
  - give oral and written presentations of the results and acquired knowledge in an appropriate scientific style in English language
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### Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:

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

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

(Po-Vers. 2020w | NatFak | Chemistry (Master of Science) | Forschungsmodul | Forschungsmodul Inorganic Chemistry)

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### Studien-/Prüfungsleistungen:

Forschungsmodul Inorganic Chemistry (Prüfungsnummer: 65511)

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

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

1. Prüfer: IC-Lab (N70010)

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### Organisatorisches:

- 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 Inorganic chemistry), please contact the supervisor directly

**Bemerkungen:**

Please note:

- Research lab project (ca. 8 weeks: 21SWS LAB/2SWS Seminar) full time in a work group of the student's choice in Inorganic Chemistry