

## **Vorlesungsankündigung/Lecture Announcement winter term 2020/2021**

for students enrolled in Pharmacy, MSc Chemistry, MSc Biology, MSc Biotechnology or related advanced studies, and Chemistry/Pharmacy/Biology PhD students

### **Bioorthogonal Chemistry & Bioconjugation**

**Dr. Martin Empting, HIPS Saarbrücken**

Contents:

Azide-alkyne cycloadditions and beyond - from click chemistry to bioorthogonal reactions; What is the status of *in vivo* chemistry/biocompatible reactions? Chemical modifications of proteins and peptides; Applications of bioconjugate chemistry in biomedical research and biopharmaceutical drugs (e.g. antibody-drug conjugates and theranostics).

Course Language: English

2 SWS, final exam (online; multiple choice; not graded), 3 ECTS-Points, Modul Naturwissenschaften

Weekly lectures will be made available **digitally via Moodle** in the section

"Courses > Naturwissenschaftlich-Technische Fakultät (NT) > Pharmazie > Pharmazeutische und Medizinische Chemie (Empting)" starting Do. Nov 5th.

Interested students can contact Martin Empting in advance via email: [martin.empting@helmholtz-hzi.de](mailto:martin.empting@helmholtz-hzi.de)