Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 6,800 employees in one of Europe’s biggest research centres and help us to shape change!

The Institute for Bioorganic Chemistry, led by Prof. Dr. Pietruszka, is a joint venture of the Heinrich Heine University Düsseldorf and the Forschungszentrum Jülich located on the campus in Jülich. Our research is dedicated to selective syntheses of active agents, derivatives thereof and chiral building blocks. Therefore, we try to combine the advantages of preparative-organic chemistry and biocatalysis. Our co-workers harness the synergies of chemistry and biology for sustainable, synthetic purposes.

We are offering a

**Master Thesis - Halogenating Enzymes for Synthesis**

**Your Job:**
In the past years we obtained knowledge in handling halogenating enzymes. Our portfolio in novel halogenating enzymes shall be expanded based on the bioinformatics analyses of cooperation partners. The master thesis includes:

- Expression and purification of haloperoxidases in E. coli
- Characterisation of the enzymes by biochemical means
- Immobilisation and application of the haloperoxidases for synthetic purposes as the ultimate goal

**Your Profile:**
- Finished bachelor studies in (bio-)chemistry or comparable
- Knowledge in protein biochemistry and enzymology
- Fluent written and spoken English language skills are mandatory, German language skills would be beneficial
- You are curious and enjoy communicating with partners of different disciplines
- You show readiness to develop own ideas and tackle new scientific methods

**Our Offer:**
We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with:

We look forward to receiving your application until 23.01.2022 via our Online-Recruitment-System!

Questions about the vacancy?
Get in touch with us by using our contact form.
Please note that for technical reasons we cannot accept applications via email.
www.fz-juelich.de
A large research campus with green spaces, offering the best possible means for networking with colleagues and pursuing sports alongside work
• An interesting and socially relevant topic for your thesis with future-oriented themes
• Ideal conditions for gaining practical experience alongside your studies
• An interdisciplinary collaboration on projects in an international, committed and collegial team
• Excellent technical equipment and the newest technology
• Qualified support through your scientific colleagues
• The chance to prepare and work on your tasks independently
• Flexible working hours as well as a reasonable remuneration

The position is initially for a fixed term of 6 months.

Please submit your application exclusively via our online recruiting system. For specific detailed queries, please contact Dr. Thomas Classen (Working group Secondary metabolism - Enzymology). Information about the team and our research can be found at https://www.iboc.uni-duesseldorf.de/en/

Forschungszentrum Jülich promotes equal opportunities and diversity in its employment relations.
We also welcome applications from disabled persons.