

The **Research Center for Pharmaceutical Engineering (RCPE)** is a global leader in pharmaceutical engineering sciences. We help our partners to create and manufacture advanced medicines for patients around the world, through optimizing products and processes.



FOR OUR AREA CCFLOW
WE ARE OFFERING A

PAID DIPLOMA/ MASTER'S THESIS

FLOW PHOTOCHEMISTRY
REF. NO. 157

To dedicated students of **chemistry, chemical engineering, pharmaceutical engineering** or related disciplines, we offer an opportunity to write a paid Diploma/Master's thesis. The project is conducted in close cooperation with the **Institute of Chemistry at the University of Graz**.

OBJECTIVE:

Photochemistry harnesses the energy of light for organic reactions, allowing **efficient** and **sustainable** reactions. When combined with flow chemistry, **new reactivities** of intermediates can be unlocked and applied to the synthesis of pharmaceuticals, even on **production scale**. The goals of this project are to:

- Generate unstable and **photochemically-active** intermediates for useful organic transformations
- Apply the developed transformation to compounds of interest in the **pharmaceutical industry**
- Examine the **scalability** and **sustainability** of these processes, for manufacturing applications

WITHIN THE FRAMEWORK OF THIS DIPLOMA/ MASTER'S THESIS WE OFFER THE FOLLOWING:

- Extensive participation in a top-level and industrially relevant research project in an international environment
- Supervised training in the task
- Assistance of experienced staff with the implementation of innovative ideas
- Access to highly modern infrastructure on campus of University of Graz
- Assistance with the publication of results
- Adequate compensation and opportunities for personal and professional development

FINANCING:

- Compensation on the basis of a service contract

IF YOU ARE INTERESTED IN WRITING YOUR THESIS AT THE INTERFACE BETWEEN UNIVERSITY RESEARCH AND INDUSTRY/ BUSINESS AND TO CONTRIBUTE TO THE OPTIMIZATION OF PRODUCT AND PROCESS DEVELOPMENT IN THE PHARMACEUTICAL INDUSTRY, PLEASE CONTACT US INDICATING THE REFERENCE NUMBER.

Contact:

Research Center Pharmaceutical Engineering GmbH
Prof. C. Oliver Kappe, Scientific Director CCFLOW
Institute of Chemistry, University of Graz
email: oliver.kappe@rcpe.at - Tel.: +43 316 380 5352

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