

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.



WE ARE OFFERING A

# PAID DIPLOMA/ MASTER'S THESIS

INVESTIGATING THE APPLICABILITY OF VARIOUS  
PRINTING TECHNIQUES FOR PHARMACEUTICAL  
APPLICATIONS  
REF. NO. DA 160

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

## OBJECTIVE:

The development of printing processes for pharmaceutical applications has shown great potential in the last few years. The goal of this thesis will be to characterize different techniques, such as inkjet, aerosol and valve jet printing, and their possibility to enhance the existing state of the art for pharmaceutical applications. The mainly investigated concepts will be to dry biological compounds, use printing for (nano)particle engineering and develop personalized medicines.

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

- Extensive participation in top-level and industrially relevant research in an international environment
- Supervised training in the task
- Assistance of experienced staff with the implementation of innovative ideas
- Access to highly modern infrastructure at Joanneum Research and RCPE
- 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**

Inffeldgasse 13, A-8010 Graz

Sandra Sünkel

Head of Human Resources

email: [sandra.suenkel@rcpe.at](mailto:sandra.suenkel@rcpe.at) - Tel.: +43 316 873 30904

LEADING PHARMA INNOVATION

[rcpe.at](http://rcpe.at)