

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.



A PhD position is available in the context of a project in the field of pharmaceutical manufacturing, in a collaboration between our institution and multiple pharmaceutical industry partners.

PHD STUDENT (M/F/X)
CONTROL STRATEGY DEVELOPMENT FOR
API PRODUCTION
REF.NR. SK78

DUTIES AND RESPONSIBILITIES:

The student will conduct cutting edge research towards improved understanding, modelling and control of API production. The investigated process covers chemical flow synthesis reactions, crystallisation, filtration and drying. Tasks to be done are the modeling of the mentioned unit operations, the implementation of suitable PAT tools and the model based controller design for the investigated process. Both experimental and simulation work will need to be executed.

REQUIREMENTS:

- Master's degree in an engineering study with a focus on process control
- Willingness to work in an interdisciplinary team, industrial-driven work environment
- Willingness to write a PhD thesis as part of this project
- Necessity to write peer-reviewed journal publications as the main author and participate in international conferences
- Interest in and experience with MATLAB/Simulink
- Experience with industrial communication protocols (Profibus, OPC, etc.) is a plus
- Interest in and experience with industrial process development and implementation is a plus
- Ability to work independently and as a member of an international research team
- Excellent English proficiency, spoken and written

WE OFFER:

- A multidisciplinary and dynamic research environment and access to modern infrastructure at the Graz University of Technology campus
- Options for career development at the academic and industrial level
- A competitive salary (min. € 2.500,- gross/month)

WE ARE LOOKING FORWARD TO RECEIVING YOUR APPLICATION BY INDICATING THE REF. NO. AND INCLUDING A COVER LETTER, YOUR CV, PUBLICATION TRACK RECORD AND CREDENTIALS!

Contact:

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LEADING PHARMA INNOVATION

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