

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 1
WE ARE LOOKING FOR AN ACTIVE, HIGHLY QUALIFIED (M/F/X)

SCIENTIST AREA 1

SIMULATIONS OF THE HOT MELT EXTRUSION
PROCESS - PHD POSSIBLE
REF. NO. SK73

DUTIES AND RESPONSIBILITIES:

- Work on an internationally funded project for the development and evaluation of simulation tools for capturing effects in pharmaceutical hot melt extrusion
- Development and testing of our in-house Lagrangian based simulation software based on Smoothed Particle Hydrodynamics
- Simulation setup and post processing
- Produce project reports and publish research results in reputed journals

REQUIREMENTS:

- A technical or natural scientific MS degree in Mechanical Engineering, Process Engineering, Mathematics, Physics, Informatics or related fields
- Knowledge in Fluid Mechanics, Computational methods as well as in Heat and Mass Transfer
- Knowledge in Smoothed Particle Hydrodynamics, C++ as well as in Python as an advantage
- Professional conduct and communication skills in dealing with international clients, partners and colleagues
- Interest and experience in performing top-level and target-oriented research at the interface of basic science and industrial application

WE OFFER:

- a responsible position in R&D for an unlimited period in the interface of scientific and industrial work,
- a multidisciplinary and dynamic research environment and access to highly modern infrastructure on campus of Graz University of Technology,
- options for career development at the academic and industrial level, and
- a competitive salary (min. € 35.000,- gross/year, overpayment - depending on qualification - possible).
- Possibility to work part-time

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:

Research Center Pharmaceutical Engineering GmbH
Inffeldgasse 13, A-8010 Graz
Sandra Sünkel
Head of Human Resources
email: sandra.suenkel@rcpe.at - Tel.: +43 316 873 30904

LEADING PHARMA INNOVATION

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