

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 (PHD)

HME PROCESS SIMULATION
PHD POSSIBLE
REF. NO. SK92

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 Smoothed Particle Hydrodynamics software and 1D HME software
- Running and evaluating experiments relevant for model validation and testing;
- 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:

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LEADING PHARMA INNOVATION

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