

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 3 - PROCESS & MANUFACTURING SCIENCE
WE ARE LOOKING FOR AN ACTIVE, HIGHLY QUALIFIED (M/F/X)

SCIENTIST

IN THE FIELD OF PROCESS MODELING AND -CONTROL
REF. NO. SK 93

DUTIES AND RESPONSIBILITIES:

- Mechanistic and data-driven modeling of pharmaceutical manufacturing processes (model development and implementation, model parametrization, model validation)
- Execution of simulation studies based on the developed models
- Support during the design and implementation of model-based controllers, e.g., model predictive control
- Active participation in experiments that are needed for model parametrization and controller test runs
- Writing of scientific publications and project reports
- Optional: Application of artificial intelligence (AI) techniques to process model development, investigation of their suitability for process control

REQUIREMENTS:

- MSc degree in electrical engineering, information and computer engineering, applied mathematics or in an engineering study covering basics of system modeling
- Interest in process modeling as well as in process control
- Interest in working with Matlab/Simulink
- Knowledge in the basics of artificial intelligence is an advantage
- Ability to work independently and as a member of an international research team
- Interest and experience in performing top-level and target-oriented research at the interface of basic science and industrial application

WE OFFER:

- A multidisciplinary and dynamic research environment and access to highly modern infrastructure on campus of Graz University of Technology
- Opportunities for career development at the academic and industrial level
- 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 AND CREDENTIALS!

Contact:

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LEADING PHARMA INNOVATION

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