

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 "Science of Quality"
We are looking for an active, highly qualified (M/F/X)

SCIENTIST(PhD)

Particle Simulations / DEM

Ref. Nr. SK110

Duties and Responsibilities

- Learn discrete element modeling (DEM) for particle simulations
- Learn how to use XPS, RCPE's in-house DEM simulation platform <https://www.rcpe.at/en/xps-at/>
- Prepare and execute DEM simulations of pharmaceutical production processes
- Apply machine learning approaches to experimental and simulation data
- Present results at scientific conferences and external meetings with project partners
- Write project reports (in English) and publish research results in reputed journals

Requirements

- MS degree in pharmaceutical engineering, computer science, mathematics, chemical engineering, mechanical engineering or related disciplines
- Interest in working in a team to perform top-level and target-oriented research at the interface between basic science and industrial applications
- Professional conduct and communication skills in dealing with international clients, partners and colleagues
- Experience with Linux
- Knowledge of at least one programming language, connected machine learning techniques and database architecture (Python is an advantage)
- Knowledge of pharmaceutical production processes and powder characterization is an advantage

We offer

- A multidisciplinary and dynamic research environment and access to a modern infrastructure at the Inffeldgasse campus of Graz University of Technology
- Opportunities for career development at the academic and industrial level
- Competitive salary (min. € 41.300,- gross/year for 40hrs/week, overpayment - depending on qualification - possible).
- Flexible working hours and opportunities to work in home office
- Possibility to work part-time

We are looking forward to receiving your application, indicating the ref. no., and including a cover letter, your CV, publication record and credentials.

Contact

Sandra Sünkel, Head of Human Resources
Inffeldgasse 13 / 8010 Graz, Austria
+43 316 873 30904, sandra.suenkel@rcpe.at

