

The Research Center Pharmaceutical Engineering GmbH (RCPE) is a global leader in pharmaceutical engineering sciences. We help our partners create and manufacture advanced medicines for patients worldwide through optimizing products and processes.

For our team / Area II – Advanced Products & Delivery  
we are looking for an active, highly qualified (m/f/x)

## **(SENIOR / PRINCIPAL) SCIENTIST**

### **Biopharmaceutical Drug Product Design & Modeling**

Ref.No SK99

#### **Duties and responsibilities**

- Develop and apply mechanistic and effective methodologies for advanced biopharmaceutical product profiling, including:
  - Mechanistic understanding of pre-formulation/formulation and biopharmaceutics characteristics critically impacting drug release and absorption
  - Development/optimization of innovative in vitro & in silico methodologies for improved IVIVC
  - Develop and maintain a contemporary in-depth understanding of the innovative science and technology used to characterize the biopharmaceutical performance of oral and inhalation dosage forms.
  - Implementation of risk assessment approaches to support decision making processes during drug development
- Develop new scientific ideas, methods and technologies in the field of biopharmaceutics and establish small biopharmaceutics team
- Execute experimental/simulation work and provide trainings for personnel on biopharmaceutical product profiling tools
- Support scientific output and supervise scientific project work, including supervision of PhD students and diploma/master thesis
- Actively participate in project teams/ meetings/ scientific networks
- Produce project reports and publish research results in reputed journals

#### **Requirements**

- A technical or natural scientific MS degree / A PhD and 2 – 5 years research experience in a field related to the tasks of the project
- Knowledge of biorelevant dissolution testing, method development as well as in physiologically-based PK (PBPK) modeling with hands-on experience with PBPK software such as GastroPlus
- Knowledge on oral biopharmaceutics as well as in inhalation biopharmaceutics 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 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. € 53.200,- 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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