

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 Next-generation manufacturing
we are looking for an active, highly qualified (m/f/x)

SCIENTIST (PhD)

3D-Printing of Pharmaceutical Products

PhD possible

Ref.No SK108

Duties and responsibilities

- Establishment and application of (customized) material characterization methods
- Design of advanced 3D-printing process chains meeting regulatory and environmental requirements
- Development of toolboxes and workflows for the economic fabrication of personalized oral tablets based on advanced 3D-printing
- Development of an enabling concept for a continuous flexible dose strategy based on advanced 3D-printing
- Demonstration of toolboxes, and workflows, enabling concepts on showcases in close collaboration with the pharmaceutical industry
- Active participation in the project team involving international scientific and industrial partners
- Performance of experiments at the site of the international scientific partner
- Writing project reports and publishing results in international, peer-reviewed journals
- Presentation of results at project meetings and international scientific conferences

Requirements

- A technical or natural scientific MS degree and an interest in pursuing a Ph.D. degree
- Theoretical know-how and/or hands-on experience of polymer and composite powder/melt processing, material characterization and analysis is plus
- Knowledge of Polymer Chemistry is 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 (€ 41.300,- gross/year for 40hrs/week, overpayment - depending on qualification - possible).
- 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

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