

We are looking for an active, highly qualified

PHD STUDENT (m/f)

Printing of Advanced Personalized and Translational Medicines

Ref.Nr.SK65

with the ability to work independently and as a member of an international research team.

The PhD topic is in the field of pharmaceutical formulation and product development. The aim of the research is to establish printing technologies using advanced excipients with stable solid state for development of translational and personalized medicines. This research deals with i) material attributes such as solid state of APIs, excipients and their interaction ii) thermal behavior of excipients and their mixture with API relevant for printing, e.g. melt viscosity, enthalpy of melting and their ageing, HLB, wettability, geometry and size of objects, distribution of API in excipient matrix, impact on release profile, stability thereof iii) critical process parameters with the impact on geometry, structure, size and performance of printed objects

REQUIREMENTS:

- Master's degree in pharmacy, pharmaceutical engineering, chemical engineering, material science and relevant fields
- Knowledge in analytical methods for material characterization with focus on solid state and thermal behavior of APIs and excipients
- Fluency in English
- Analytical thinking
- Independence and confidence
- Commitment
- Time management and organizational skills

WE OFFER

- 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 (2.500,-min. gross/month).

We are looking forward to receiving your application via email to sandra.resl@rcpe.at by indicating the Ref. Nr. and including a cover letter, your CV including previous work experience and publications and an abstract in English of the master's thesis!

Research Center Pharmaceutical Engineering GmbH

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