A PhD position is available in the context of a project in the field of pharmaceutical manufacturing, in a collaboration between our institution and a pharmaceutical industry partner. The student will conduct cutting edge research towards improved understanding and control of protein aggregation during manufacturing of bio-pharmaceutical products. The proposed work includes, both, experimental and theoretical approaches, with the final goal of establishing a semi-empirical model to predict and control protein aggregation as a function of process parameters and the protein’s physico-chemical properties.

The RCPE is located at the Inffeld campus of Graz University of Technology. Graz is a picturesque small city in the center of Europe, with a large and vibrant student population, and excellent recreational facilities inside the city, and in the surrounding mountains and country-side. The work will also include multiple visits at the Viennese site of the industrial partner. PhD positions at the RCPE generally include work at the interface between fundamental science and applied pharmaceutical formulation and process development. If you have a suitable background, good credentials, and are interested in, not only performing cutting-edge scientific research, but also work in a project with an impact on real world problems, you want to apply for this position.

**Requirements:**
- Master degree in bio-technology, chemical engineering, biophysics, pharmaceutical science, or a comparable/related field.
- Good grasp of protein stability, and experience with some of the related analytical and characterization techniques, such as isothermal calorimetry, DSC, analytical ultracentrifugation, SEC, CD, asymmetrical field flow fractionation, light obscuration, dynamic light scattering, etc.
- Interest in, and experience with, mathematical modeling tools (e.g. Origin, MATLAB, etc.), and/or scientific programming (e.g. Python, C, C++, etc.) is a plus.
- Interest in, and experience with industrial process development and implementation is a plus.
- Ability to work independently and as a member of an international research team.
- Excellent English proficiency, spoken and written.

**We offer:**
- A multidisciplinary and dynamic research environment and access to modern infrastructure at the Graz University of Technology campus.
- Options for career development at the academic and industrial level.
- A competitive salary (min. € 2.500,- gross/month).

We look forward to receiving your application via email to sandra.resl@rcpe.at by indicating the Ref. Nr. and including a cover letter, your CV and, if available, details of references we can contact.

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