

2 PhD positions in Pharmaceutical Manufacturing Innovation with Focus on Continuous Pharmaceutical Freeze-Drying

Ghent University

Overview

The general goal of these PhD research projects is to further innovate in a continuous freeze-drying technology for (bio)pharmaceuticals and explore its potential as an enabler for different pharmaceutical products.

- **Topic 1:** The evaluation of different energy supply systems for the continuous & controlled freeze-drying of biopharmaceutical unit doses.
- **Topic 2:** Continuous freeze-drying as an enabling technology for different types of pharmaceutical products (e.g., lipid nano-particle based products, highly concentrated protein formulations, vaccines, cold chain distributed products, etc.)

The research projects may be conducted in close cooperation between Ghent University (Belgium) and pharmaceutical companies and equipment manufacturers. The PhD project will be executed in Ghent, Belgium. The research outcome will be published in important scientific journals.

Profile

1. Master's degree in Pharmaceutical Drug Development, Industrial Pharmacy, Pharmaceutical Engineering, Bio-science Engineering, Chemical Engineering or a related discipline.
2. Experience with pharmaceutical technology is desirable.
3. Candidates must have a strong interest in biopharmaceutical product development manufacturing innovation, analysis and data-analysis.

The PhD project will be guided by the Pharmaceutical Process Analytics & Technology research group (Faculty of Pharmaceutical Sciences, Ghent University, Prof. Dr. Thomas De Beer), and will be in collaboration with the Pharmaceutical Engineering Research Group (Prof. Dr. Ashish Kumar).

Pharmaceutical Process Analytics & Technology research group (Ghent University) Faculty of Pharmaceutical Sciences

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How to apply

Please send your CV with names of three references, motivation letter and transcripts of your bachelor and master studies to Thomas.DeBeer@UGent.be

Application deadline

Please apply before February 28th, 2022