



Diploma work – Product Design, R&D

The responsibilities of Product Design (PD) in Helsingborg are to develop products for the J&J self care global and regional product portfolio. The main focus for Helsingborg R&D lies within the three areas Smoking Cessation, Digestive Health and Cough & Cold. PD is responsible for early prototyping, formulation, manufacturing of clinical batches, tech transfer to manufacturing sites as well as documentation to support regulatory submissions. We work to assure the highest quality standards within all phases of the development.

Formulation of a bi-layer tablet with one rapidly dissolving layer

The diploma work will be part of the development of a bi-layer tablet with a rapidly dissolving layer. The aim is to study and understand the influence of factors like ingoing excipients, the quality and levels of ingoing excipients and process parameters on critical product attributes. The tablets need to have good mechanical properties for further processing and packaging but still acquire rapid dissolution in order to achieve fast release of the active ingredient. Sensory aspects will also be considered. You will plan and manufacture trial batches in lab and/or pilot scale and also perform and design relevant characterization tests on the tablets. We apply Quality by Design (QbD) and Design of Experiments is an essential part of the development work.

Your Qualifications

We assume you have four years of university studies within the field of life science and need one semester of diploma work to finalize your graduate studies. The ideal candidate is a creative problem solver with a great interest for pharmaceutical technology. To be successful with the diploma work you need to plan your work and report results in a structured way. You also need to gather information from literature, internal quality documents and other sources such as supplier documentation.

More information and application

You are welcome to contact Darek Lindhe, 042-289343 or Kristina Thyresson, 042-288635 if you have any questions.

McNeil AB is part of the Johnson & Johnson Family of Companies and the largest industry in Helsingborg with around 630 employees. We develop and manufacture OTC drugs and amongst our brands Nicorette is the largest and also the world-leading product for smoking cessation. We encourage our employees to an active, healthy and tobacco free lifestyle. Johnson & Johnson is a globally operating health care company employing approximately 129 000 people in more than 250 companies in 60 countries. Our headquarters is in New Brunswick, New Jersey, USA.

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