



UPPSALA UNIVERSITY

# Research Project in Nanotechnology and Functional Materials with Specialization in Advanced Bioprocessing

At the Division of Nanotechnology and Functional Materials, Department of Engineering Sciences, we work with a range of advanced nanomaterials for various applications within life sciences. Bioprocessing, such as manufacturing of protein-based pharmaceuticals, is one of the fields where nanotechnology principles are very useful. Currently, we are working with both upstream and downstream bioprocessing, such as separation and purification of protein-based drugs and cell-culture media. We are looking for highly motivated students to investigate contribute to our research and gain deep understanding of industrial bioprocessing. Our collaborations extend to industry and occasionally there may be scholarships available for project work with our industrial partners abroad (more details upon contact).

## **Qualifications**

We seek for students with background in molecular biotechnology or chemistry engineering with focus on life sciences. The prospective candidate should preferably be proficient at least in one of the following fields: cell culture techniques, chromatography, microbiological techniques, and protein characterization methods. The prospective candidate should be highly motivated to learn and work in a team where innovation and application is the main focus. He/she should have good communication skills (both written and oral) in English. We can offer research projects with strong industrial focus, including Master thesis project, summer internship and other forms of practical education.

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**Application:** continuously.