

## FBM Industrial Practice Learning Agreement

This agreement is between:

Student, Study number:

Host Supervisor:

Company/Institution:

DTU Supervisor:

For the FBM industry practice project course entitled:

**FBM industrial practice:** \_\_\_\_\_

### Learning objectives

*A student who has met the objectives of the industry practice course will be able to:*

#### Part 1: Description of the host facility

- Describe and analyze the main output from the host facility (products or services), how it benefits the end-user, and how it differs from the closest competitors
- Construct a process diagram visualizing the processes leading to the output, e.g., analysis of production facilities, R&D processes, or test facilities
- Describe the organizational structure of the host facility, using an organogram
- Discuss how cross-disciplinary competences between biotechnology and process engineering are or could be beneficial in the host facility
- Reflect on the innovation strategy of the host facility
- Reflect on how sustainability and UN sustainability goals are implemented at host facility

#### Part 2: On-site experience in host facility

- Describe and reflect on your on-site experience at the host facility
- Reflect on processes that were experienced on-site and which could benefit from optimization
- Discuss challenges/bottlenecks and optimization approaches for a selected process
- Adapt to the industrial environment at the host facility
- Reflect on regulatory constraints at the host facility

#### Part 3: Complementary challenge related to on-site tasks

- Identify and argue for the choice of an interesting task from the on-site experience that could benefit from a specific theoretical analysis
- Perform a theoretical analysis of a task, including references to published primary literature relating to the interplay between either academic (scientific) and industrial viewpoints, or between cell factory design, fermentation process, and downstream process.



RESPONSIBILITIES UNDER THIS AGREEMENT:

DTU Supervisor

- Check suitability and approve the Internship as FBM Industrial Practice project
- Register the approved project course in the DTU database
- Provide guidance and support before and during the internship
- Assessment of the final report and grading

Host Supervisor

- Take responsibility for the student's supervision during the internship
- Provide direction to help the student achieve the learning objectives
- Review the student's final report for confidential material
- Discuss the confidential material with the student
- Provide a short evaluation of the student's performance to DTU supervisor

Student

- Complete the Project Course registration in cooperation with the FBM supervisor
- Perform the tasks and responsibilities assigned by the host supervisor
- Follow the rules and regulations of the hosting facility
- Consult with the supervisors regarding any changes or problems that arise during the FBM industrial practice experience
- Provide the final report to the host supervisor for review for confidential material
- Hand in the final report
- Discuss the final report in an online meeting with the DTU supervisor

FBM-office

- Support the DTU supervisor, the host facility supervisor, and student in case of difficulties

Your signature means you have read and agreed to the responsibilities listed for your role in this Learning Agreement.

Signature student, date

Signature host supervisor, date:

Signature DTU supervisor, date: