

Trainee	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	Dargó	Gyula	03/12/1995	Hungarian	M	EQF level 7	0711
Sending Institution	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact person name ⁵ ; email; phone	
	Budapest University of Technology and Economics	Faculty of Chemical Technology and Biotechnology	HUBUDAPES02	Műgyetem rkp. 7-9, Budapest 1111, Hungary	HU	Médea Terczy erasmus@mail.bme.hu +36-1-463-2237	
Receiving Organisation /Enterprise	Name	Department	Address; website	Country	Size	Contact person ⁶ name; position; e-mail; phone	Mentor ⁷ name; position; e-mail; phone
	BioPhero ApS	Fermentation Platform	www.biophero.com	Denmark	☒ < 250 employees ☐ > 250 employees	Dr. Irina Borodina, Research Director, irina@biophero.com, +4521798657	Dr. Bettina Lorántfy, Head of Fermentation, bettina@biophero.com, +4571697578

Before the mobility

Table A - Traineeship Programme at the Receiving Organisation/Enterprise	
Planned period of the mobility: from [day/month/year] 1/07/2019 to [day/month/year] 30/08/2019	
Traineeship title: Introduction to fermentation technology	Number of working hours per week: 40
Detailed programme of the traineeship: The student will get an insight into and actively join the daily work of the Fermentation Platform at BioPhero ApS. The Fermentation platform consists of benchtop scale state-of-the-art highly sophisticated bioreactors, and related equipment for performing high-quality quantitative yeast fermentations. The primary goal of the Platform is to perform strain characterization, process optimization and development in laboratory-scale.	
Traineeship in digital skills ⁸ : Yes ☐ No ☒	
Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes): The student will be able to prepare and run (under supervision) benchtop-scale bioreactors for quantitative yeast fermentations, including sterile work, the use of autoclave, inoculum as well as media preparation, fermenter setup, sensor calibrations, sampling and sample preparation and related off-line analyses; and will also acquire some competence on fermentation data treatment and critical/scientific evaluation of fermentation data. The student will also get hands-on experience with sample extraction and preparation for GC-MS. Beside the practical learning outcomes, the student will also acquire theoretical knowledge of the basics of bioprocess engineering and fermentation technology.	
Monitoring plan: During the training period, the trainee will be monitored and evaluated by the supervisor. In the framework of the traineeship programme, the student will conduct experiments for her individual research project.	
Evaluation plan: Academic skills/expertise, analytical skills, initiative, adaptability, communication skills, teamwork skills, decision-making skills, ICT skills, innovative and strategic-organisational skills, foreign language skills	
The level of language competence ⁹ in English [indicate here the main language of work] that the trainee already has or agrees to acquire by the start of the mobility period is: A1 ☐ A2 ☐ B1 ☐ B2 ☒ C1 ☐ C2 ☐ Native speaker ☐	

Table B - Sending Institution	
Please use only one of the following three boxes: ¹⁰	
1. The traineeship is embedded in the curriculum and upon satisfactory completion of the traineeship, the institution undertakes to:	
Award ECTS credits (or equivalent) ¹¹	Give a grade based on: Traineeship certificate ☐ Final report ☐ Interview ☐
Record the traineeship in the trainee's Transcript of Records and Diploma Supplement (or equivalent).	
Record the traineeship in the trainee's Europass Mobility Document: Yes ☐ No ☐	
2. The traineeship is voluntary and, upon satisfactory completion of the traineeship, the institution undertakes to:	
Award ECTS credits (or equivalent): Yes ☐ No ☐	If yes, please indicate the number of credits:

Give a grade: Yes ☐ No ☐	If yes, please indicate if this will be based on: Traineeship certificate ☐ Final report ☐ Interview ☐
Record the traineeship in the trainee's Transcript of Records: Yes ☐ No ☐	
Record the traineeship in the trainee's Diploma Supplement (or equivalent):	
Record the traineeship in the trainee's Europass Mobility Document: Yes ☐ No ☐	

3. The traineeship is carried out by a **recent graduate** and, upon satisfactory completion of the traineeship, the institution undertakes to:

Award ECTS credits (or equivalent): Yes ☐ No ☐	If yes, please indicate the number of credits:
Record the traineeship in the trainee's Europass Mobility Document (<i>highly recommended</i>): Yes ☐ No ☐	

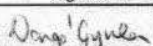
Accident insurance for the trainee

The Sending Institution will provide an accident insurance to the trainee (if not provided by the Receiving Organisation/Enterprise): Yes ☐ No ☐	The accident insurance covers: - accidents during travels made for work purposes: Yes ☐ No ☐ - accidents on the way to work and back from work: Yes ☐ No ☐
The Sending Institution will provide a liability insurance to the trainee (if not provided by the Receiving Organisation/Enterprise): Yes ☐ No ☐	

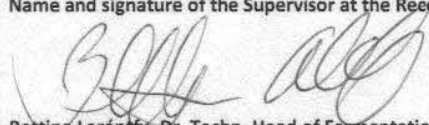
Table C - Receiving Organisation/Enterprise

The Receiving Organisation/Enterprise will provide financial support to the trainee for the traineeship: Yes ☐ No ☒	If yes, amount (EUR/month):
The Receiving Organisation/Enterprise will provide a contribution in kind to the trainee for the traineeship: Yes ☐ No ☒ If yes, please specify:	
The Receiving Organisation/Enterprise will provide an accident insurance to the trainee (if not provided by the Sending Institution): Yes ☒ No ☐	The accident insurance covers: - accidents during travels made for work purposes: Yes ☐ No ☒ - accidents on the way to work and back from work: Yes ☐ No ☒
The Receiving Organisation/Enterprise will provide a liability insurance to the trainee (if not provided by the Sending Institution): Yes ☒ No ☐	
The Receiving Organisation/Enterprise will provide appropriate support and equipment to the trainee.	
Upon completion of the traineeship, the Organisation/Enterprise undertakes to issue a Traineeship Certificate within 5 weeks after the end of the traineeship.	

By signing this document, the trainee, the Sending Institution and the Receiving Organisation/Enterprise confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. The trainee and Receiving Organisation/Enterprise will communicate to the Sending Institution any problem or changes regarding the traineeship period. The Sending Institution and the trainee should also commit to what is set out in the Erasmus+ grant agreement. The institution undertakes to respect all the principles of the Erasmus Charter for Higher Education relating to traineeships.

Commitment	Name	Email	Position	Date	Signature
Trainee	Gyula Dargó	dagyulo15@gmail.com	Trainee	2019.01.22.	
Responsible person ¹² at the Sending Institution	Dr. Zoltán Hell	zhell@mail.bme.hu	Associate professor	28.10.2018	
Supervisor ¹³ at the Receiving Organisation	Dr. Bettina Lorántfy	bettina@biophero.com	Head of Fermentation	21.11.2018	

After the Mobility

<i>Table D - Traineeship Certificate by the Receiving Organisation/Enterprise</i>
Name of the trainee: Gyula Dargó
Name of the Receiving Organisation/Enterprise: BioPhero ApS
Sector of the Receiving Organisation/Enterprise: Fermentation Platform, BioPhero ApS
Address of the Receiving Organisation/Enterprise [street, city, country, phone, e-mail address], website: Diplomvej 378, Kongens Lyngby, Denmark, 2800 https://biophero.com/
Start date and end date of traineeship: from [day/month/year] ...01/07/2019.... to [day/month/year]30/08/2019.....
Traineeship title: High-quality quantitative yeast bioreactor cultures to gain deeper understanding of yeast physiology
Detailed programme of the traineeship period including tasks carried out by the trainee: The student got an insight into and actively joined the daily work of the Fermentation Platform at BioPhero ApS. The Fermentation platform consists of benchtop scale state-of-the-art highly sophisticated bioreactors, and related equipment for performing high-quality quantitative yeast fermentations. The primary goal of the Platform is to perform strain characterization, process optimization and development. The Platform has a strong interaction with the Strain Development and the Analytical Divisions for sample preparation and analysis. During his stay, Gyula has been working on a smaller individual research project.
Knowledge, skills (intellectual and practical) and competences acquired (achieved Learning Outcomes): Practical skills: professional communication in English, working in an international and interdisciplinary team, working at a start-up industrial biotech company Hands-on skills: microbiology, benchtop-scale fermentation, GC-MS Theoretical skills: yeast physiology, analytical chemistry, bioreactor technology
Evaluation of the trainee: Gyula has been showing a lot of interest and motivation during his internship. He has great problem-solving skills, and was able to carry out small individual tasks in our laboratory. He came with solid synthetic chemistry knowledge and was eager to learn about microbiology, biotechnology and fermentation. It was my pleasure to see his development, how he was thriving in an interdisciplinary and international team.
Date: 30-08-2019
Name and signature of the Supervisor at the Receiving Organisation/Enterprise:  Bettina Lorántffy, Dr. Techn. Head of Fermentation