

Higher Education Learning Agreement for Traineeships

Trainee	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³
	Gömöri	Lidia Éva	1999.12.11.	Hungarian	F	Master or equivalent second cycle (EQF level 7)	Medicine (ISCED 0912)
Sending Institution	Name	Faculty/ Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact person name ⁵ ; email; phone	
	University of Debrecen	Faculty of Medicine	HU DEBCE01	Debrecen Egyetem tér 1 H-4032	Hungary	Faculty coordinator : Prof. Dr. György Vereb erasmus@med.unideb.hu Administrative contact : Ms. Katalin Danyi danyi.katalin@unideb.hu +36-52-512900/23257	
Receiving Organisation /Enterprise	Name	Department	Address; website	Country	Size	Contact person ⁶ name; position; e-mail; phone	Mentor ⁷ name; position; e-mail; phone
	i3S - Instituto de Investigação e Inovação em Saúde	Neuronal Networks research group	R. Alfredo Allen 208, 4200-135 Porto, Portugal website	Portugal	☒ < 250 employees ☐ > 250 employees	Ana Paula Filipe i3S Human Resources apfilipe@i3s.up.pt 00351226074900 ext 6189	Liliana Laracho Luz Post-doctoral fellow laracho@ibmc.up.pt

Before the mobility

Table A - Traineeship Programme at the Receiving Organisation/Enterprise

Planned period of the mobility: from [month/year] September/2022 to [month/year] November/2022

Traineeship title: Traineeship in research about spinal dorsal horn network architecture and function	Number of working hours per week: 40
Detailed programme of the traineeship: During the mobility the trainee will join the Neuronal Networks research group. She will participate in the investigation of the functional organisation of spinal dorsal horn networks. Her course will include the following tasks: -introduction to the laboratory and aims of the currently ongoing projects -learning the basics of electrophysiological techniques -making in vitro spinal cord preparations with attached dorsal roots -learning and performing whole-cell patch-clamp and dorsal root potential recording techniques in intact spinal cord preparations -processing and evaluation of recorded data -documentation	
Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes): The trainee will eventually get a wider knowledge of neurobiological research, and acquire the techniques of specific electrophysiological methods: -whole-cell patch-clamp and -dorsal root potential recording techniques in intact spinal cord preparations Finally, the trainee will improve the knowledge of English language and get a basic knowledge of Portuguese language.	
Monitoring plan: Daily work with the Mentor and weekly discussions with the Supervisor. Journal club. Weekly online meeting with the Academic tutor (Peter Szucs, UD, Hungary).	
Evaluation plan: Monthly report. Presentation of the results at the end of the traineeship period to the Supervisor & Academic tutor in a form of an online meeting.	

The level of **language competence⁸** 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 ☐



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Lidia Éva Gömöri
WO9Q6R
Academic Year 2022/2023

Table B - Sending Institution

Please use only one of the following three boxes:⁹

1. The traineeship is **embedded in the curriculum** and upon satisfactory completion of the traineeship, the institution undertakes to:

Award ECTS credits (or equivalent) ¹⁰	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: 15
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): Yes ☐ No ☒	
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 (highly recommended): 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 (or the principles agreed in the partnership agreement for institutions located in Partner Countries).

Commitment	Name	Email	Position	Date	Signature
Trainee	Lidia Éva Gömöri	liidi.gomori10@gmail.com	Trainee	14. 06. 22.	
Responsible person ¹¹ at the Sending Institution	Dr. György Vereb	erasmus@med.unideb.hu	Faculty coord.	14. 06. 22.	
Supervisor ¹² at the Receiving Organisation	Mr. Péter Gara	erasmus@unideb.hu	Institutional coord	20. 06. 22.	
	Boris Safronov	safronov@ibmc.up.pt	Neuronal Networks group leader		

After the Mobility

Table D - Traineeship Certificate by the Receiving Organisation/Enterprise

Name of the trainee: Lídia Éva Gömöri
Name of the Receiving Organisation/Enterprise: i3S - Instituto de Investigação e Inovação em Saúde da Universidade do Porto
Sector of the Receiving Organisation/Enterprise: Neuronal Networks research group
Address of the Receiving Organisation/Enterprise [street, city, country, phone, e-mail address], website: R. Alfredo Allen 208, 4200-135 Porto, Portugal website
Start date and end date of traineeship: from [day/month/year] 19/09/2022 to [day/month/year] 18/11/2022
Traineeship title: Traineeship in research about spinal dorsal horn network architecture and function
Detailed programme of the traineeship period including tasks carried out by the trainee: Learning the daily routine in the electrophysiology laboratory. Preparing solutions (nACSF, intracellular solutions, stocks). Handling of laboratory animals (rats and mice). Making in-vitro spinal cord preparations with attached dorsal roots (both rats and mice). Operation of the patch-clamp setup and carrying out whole-cell recordings with dorsal root stimulation independently. Dorsal root potential recordings in a setup built especially for this purpose. Troubleshooting in every phase of the work. Cleaning and tidying up the setups. Surgeries for viral labelling of primary afferents (AAV injections into sciatic nerve and certain areas of L1-L6 dermatomes). Data acquisition and analysis.
Knowledge, skills (intellectual and practical) and competences acquired (achieved Learning Outcomes): Advanced knowledge of electrophysiological methods and devices. Whole-cell patch-clamp and dorsal root potential recordings in in-vitro spinal cord preparations, including all the required preparatory work. Independent laboratory work. An insight into Portuguese culture and basic knowledge of Portuguese language.
Evaluation of the trainee: The trainee has successfully completed all the proposed tasks of the plan.
Date: 18/11/2022
Name and signature of the Supervisor at the Receiving Organisation/Enterprise: Boris Safronov 