

CONVOCATORIA DE PRÁCTICAS INTERNACIONALES/ CALL FOR INTERNATIONAL INTERNSHIP

CONVENIO CEBE 2021 / CEBE 2021 AGREEMENT

I. HOST APPLICANT INFORMATION

This person is responsible for signing the Learning Agreement, amending it if needed, supervising the trainee during the traineeship and signing the Traineeship Certificate.

Name	Prof. José Luis Peñalvo				
Position	Professor and Head of Non-Communicable Diseases Unit				
Contact (e-mail, phone)					
Department/Faculty. Institution	Non-Communicable Diseases Unit – Department of Public Health – Institute of Tropical Medicine (ITM)				
Organization Type (see annex I)	EPLUS-FOUND (Foundation of Public Utility)				
Public body	X YES <input type="checkbox"/> NO	Non-Profit	X YES <input type="checkbox"/> NO	Size	<input type="checkbox"/> < 250 employees X > 250 employees
Address; website	Nationalestraat 155, 2000 Antwerp (Belgium) www.itg.be				

II. PROJECT DESCRIPTION

Description of the project that will be done by the student-trainee at the host institution.

Wished period for mobility ⁽¹⁾ : Preferably 4 months from 01/09/2021 to 31/12/2021, but possible any time after June 1 2021.

1. Project title: Unravelling data for rapid evidence-based response to COVID-19 (unCoVer)

2. Number of working hours per week: Same as hosting institution, 37.5h

3. Detailed programme of the traineeship ⁽²⁾ (max. 300 words):

ITM is coordinating unCoVer¹, an H2020-sponsored project involving a network of 29 partners from 14 countries, capable of harvesting real-world data (RWD) derived from the response and provision of care to patients by the health systems across Europe, and internationally during the COVID 19 pandemic. The network will develop computational and analytical platforms to streamline studies on risk characterisation, and prediction modelling using standardised pooled data derived from real life practices.

The trainee will join ITM researchers and the unCoVer network to obtain a better understanding and hands-on practice on the following aspects:

1. Monitor and assess COVID-19 ongoing international research to identify research questions to help curbing the pandemic and improve patient care.
2. Formulate and perform analysis of available pooled COVID-19 data, including:
 - a. Familiarization with statistical packages (R, STATA)
 - b. Develop statistical and epidemiological protocols to allow for a detailed clinical characterization of COVID-19 patients
 - c. Understand and assist on the development of predictive analytics to identify links between the early clinical diagnosis profile of COVID-19 patients and the future course of SARS-CoV infection.
 - d. Support capacity building in data analysis, and knowledge interpretation.
3. Preparation of scientific manuscripts based on the outputs generated.
4. Coordination, conduct, and operational challenges of large-scale multi-country projects.

4. Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes)(max 100 words):

After the internship the trainee will have acquired skills related to:

- Perform scientific literature searches, summarize information, and compare and discuss results.
- Critically appraise the available information and identify the main gaps regarding knowledge, data and research questions.
- Data harmonization.
- Perform statistical analyses in large datasets.
- Gain expertise in statistical methods and Prediction models.
- Development of analytical skills.
- Understanding of clinical epidemiology, and use of RWD in the context of COVID-19 pandemic.
- First-hand experience in European Commission-funded research, and large-scale research networks.

5. Monitoring plan (max 100 words):

- Initial meeting with supervisor to establish the training plan.
- Integration and daily exchange with Unit's researchers, and participation and reporting in Unit and unCoVer meetings.

¹ <https://uncover-eu.net/>

- Biweekly meetings with the supervisor to assess progress and identify barriers.
- Presentation of research progress at the Unit weekly meetings.
- After the first and second month of the placement, a Progress Report will be provided to:
 - Document learning outcomes and specific achievements.
 - Identify areas to be improved and recommendations to be followed.
 - Propose adjustments of the training plan if necessary and in consultation with the trainee.

6. Evaluation plan (max 100 words):

The trainee will be involved in an initial, intermediate and final evaluation to review his/her expectations and learning process. These evaluations will focus on the following:

1. Satisfaction and trainee participation (initiative, adaptability).
2. Knowledge and academic skills/expertise acquisition.
3. Skills development: teamwork, decision-making and organisational skills, among others.
4. Improvement of the foreign language.

During the last week of the traineeship, the trainee will deliver a scientific report and present research findings in one of the ITM's Department of Public Health seminars series.

7.a. Impacts and benefits of the traineeship to the host applicant (max 100 words):

The traineeship will bring many benefits to our organization:

- Medical knowledge and hands-on effort in the project
- Culture exchange and diversification of our research team
- Opportunities for mentorship for our more senior researchers
- Increased of competitiveness and innovation, as trainees bring new skills, fresh enthusiasm, and new perspectives
- Strengthening international ties and broaden our horizons
- Contribute to actively shaping the future of young people
- Continue taking steps towards long-term cooperation with education and training

7.b. Impacts and benefits of the traineeship to the trainee (max 100 words):

The trainee will benefit personally, professionally, and academically from the following:

- Gain knowledge in new subjects and build expertise within targeting areas
- Participate in a large consortium of scientists working together in a public health priority
- Boost the employability of the trainee
- Gain new transferable skills and experience different learning practices
- Enforce/develop the capacity of the trainee to live and work far from his/her comfort zone and learn how to deal with unexpected situations
- Gain international and intercultural competencies, which will help the trainee to be more tolerant and understanding
- Improve English and local (French and Dutch) languages
- Expand professional networks

- Exposure to European Commission-funded research

III. STUDENT PROFILE AND REQUIREMENTS

This section refers to specific knowledge or expertise that the student/trainee must have in order to proceed successfully with the proposed project.

8. Research Area (see annex II): <i>Medicine</i>		
9. Is the host applicant / scientific supervisor willing to evaluate the project performance so that the student could validate the traineeship as ECTS credits (3):	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Student required expertise and technical knowledge: <i>Understanding of clinical epidemiology and statistics</i>		
11. Level of studies: <i>Medicine Degree</i>		
12. Language: <i>English</i>		
<i>(4) The level of language competence 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 <input type="checkbox"/> A2 <input type="checkbox"/> B1 <input type="checkbox"/> B2 <input checked="" type="checkbox"/> C1 <input type="checkbox"/> C2 <input type="checkbox"/> Native speaker <input type="checkbox"/></i>		
13. Does the host institution require any other language besides the language of work?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
		Which one?:
14. Does the host institution require any further paperwork done or any other relevant information to host a student/trainee (under the condition of this programme)	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
		14. A <i>If YES, please detail:</i> <i>ID, CV, Letter of Acceptance by the Host Institution and training program will be requested before joining.</i>

IV. Consent to publish Traineeship Data.

I agree that my name, title of the project, its duration and the name of the Receiving Institution / Enterprise can be published on the CEBE website as awarded supervisor of the Traineeship Programme 2020.

(1) a) Related to UAM: A minimum of 2 months and up to 4 months (only the first 3 are funded). The planned period in this call should be between 1st of June 2020 and 30th of December of 2021. After the matching of host candidates with students and by mutual agreement between the two parties, the exact dates can be changed and the total stay could be prolonged up to 6 months; b) Related to UCLM: A minimum of 2 months and up to 4 months (all 4 months are funded). The estimated start date of the internship is 1st July and can be extended up to a total of 12 months.

(2) Consider that this must be read by the selection committee but also by the students, who will apply to the project.

(3) If NO, only students who will not validate the project as ECTS credits will be assigned for matching with this applicant. The application to validate the project as ECTS credits will come exclusively from the student.

(4) Level of language competence: a description of the European Language Levels (CEFR) is available at: <https://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

Annex I: List of Organisation Types

CODE	Organisation type
EPLUS-EDU-HEI	Higher education institution (tertiary level)
EPLUS-EDU-GEN-PRE	School/Institute/Educational centre – General education (pre-primary level)
EPLUS-EDU-GEN-PRI	School/Institute/Educational centre – General education (primary level)
EPLUS-EDU-GEN-SEC	School/Institute/Educational centre – General education (secondary level)
EPLUS-EDU-VOC-SEC	School/Institute/Educational centre – Vocational Training (secondary level)
EPLUS-EDU-VOC-TER	School/Institute/Educational centre – Vocational Training (tertiary level)
EPLUS-EDU-ADULT	School/Institute/Educational centre – Adult education
EPLUS-BODY-PUB-NAT	National Public body
EPLUS-BODY-PUB-REG	Regional Public body
EPLUS-BODY-PUB-LOC	Local Public body
EPLUS-ENT-SME	Small and medium sized enterprise
EPLUS-ENT-LARGE	Large enterprise
EPLUS-NGO	Non-governmental organisation
EPLUS-FOUND	Foundation
EPLUS-SOCIAL	Social partner or other representative of working life
EPLUS-RES	Research Institute/Centre
EPLUS-YOUTH-COUNCIL	National Youth Council
EPLUS-ENGO	European NGO
EPLUS-NET-EU	EU-wide network
EPLUS-YOUTH-GROUP	Group of young people active in youth work
EPLUS-EURO-GROUP-COOP	European grouping of territorial cooperation
EPLUS-BODY-ACCRED	Accreditation, certification or qualification body
EPLUS-BODY-CONS	Counselling body
EPLUS-INTER	International organisation under public law
EPLUS-SPORT-PARTIAL	Organisation representing the sport sector

EPLUS-SPORT-FED	Sport federation
EPLUS-SPORT-LEAGUE	Sport league
EPLUS-SPORT-CLUB	Sport club

Annex II: Research Areas

Area of knowledge	University
Agricultural and agri-food engineering	Universidad Castilla La Mancha
Aerospace engineering	Universidad Castilla La mancha
Biochemistry	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Biology	Universidad Autónoma de Madrid
Biomedical engineering	Universidad Castilla La Mancha
Chemical Engineering	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Chemistry	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Computer Engineering	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Computer Engineering and Mathematics	Universidad Autónoma de Madrid
Electrical Engineering	Universidad Castilla La mancha
Environmental Sciences	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Food Science and Technology	Universidad Autónoma de Madrid, Universidad Castilla La mancha
Forestry and environmental engineering	Universidad Castilla La mancha
Human nutrition and dietetics	Universidad Autónoma de Madrid
Industrial and automatic electronics engineering	Universidad Castilla La mancha
Mathematics	Universidad Autónoma de Madrid
Mechanical engineering	Universidad Castilla La mancha
Medicine	Universidad Castilla La mancha
Nursing	Universidad Castilla La mancha
Pharmacy	Universidad Castilla La mancha
Physics	Universidad Autónoma de Madrid
Physiotherapy	Universidad Castilla La mancha