

**European Network on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome  
(EUROMENE)**

**COST action CA15111**

**Deliverable 10**

**Survey for capacity development target groups: PhD students/candidates, ECIs, young principal investigators, researchers, clinicians, health policy makers**

1. MC/WG members during the second meeting in Riga on 29-30 November 2016 adopted a decision to identify the current situation in each project Member State in the field of ME/CFS with a questionnaire. The questionnaire had been prepared by Prof. Uldis Berķis in order to find out the pretenders for the 1<sup>st</sup> year visits and potential host institutions for STSMs. As well as to obtain information on each member's offers for successful project implementation and preferences, which would be strengthened with the project activities.

1.1. Table No 1 shows each Member State **offer for training** in the context of ME/CFS spheres of influence (state during 1st year)

Table No 1

Country	Biobanks	Laboratory	Biomarkers	Clinical	Public health/economics	Other
Belgium				x		
Bulgaria		x	x			
Denmark				x		
Finland			x	x		
France				x		
Germany	x	x	x			Industry, IT systems



Ireland					X	
Italy	X	X	X	X	X	
Latvia		X	X			Industry
Norway			X	X	X	
Romania			X	X		
Serbia				X		
Spain	X	X	X	X		
Sweden		X	X	X		
United Kingdom	X	X	X		X	

1.2. Table No 2 shows identified **training needs** and interest for each member state (during 1st year), the Table will be permanently updated

Table No 2

Country	Biobanks	Laboratory	Biomarkers	Clinical	Public health/economics	Other
Belgium	o					
Bulgaria	o	o	o	o		
Denmark	o					
Finland	o					
France	o					
Germany	o					
Ireland						
Italy	o					
Latvia	o	o	o	o	o	

Norway	o			o		
Romania	o			o		
Serbia	o			o		
Spain	o					
Sweden	o					
United Kingdom	o			o		

1.3. Table No 3 shows **offers for Training schools**

Table No 3

No	Institution	Number	Profiles	Priorities
1	From Cost action countries involved	12-15	Biologist, clinicians, bioinformatics	Experiences in biomarkers findings
2	From Cost action countries involved	12-15	Clinicians, public health and economics specialists	Progress in clinical studies on ME/CFS, public health outcomes

1.4. Table No 4 summarizes information about each member's proposed dedicated **trainers** for STSMs, Training schools, workshops

Table No 4

Institution	Name	Profile	School planned (No) or STSM
<b>For Training school No 1</b>			
Pavia University, Italy	Simona Panelli	Microbiologist/ geneticist	1
Barcelona University Department of Ecology	Laura Baldo	Bioinformatics expertise	1, WS
	Giovanni Ricevuti	Clinician	
UNIPV/ S.Margherita Hospital	Enrica Capelli	Laboratory technological applications,	1, WS

UNIPV		Genetic markers in ME/CFS	
<b>For Training school No 2</b>			
Riga Stradiņš University	Andrejs Ivanovs	Public health Health sociology Epidemiology	2
Riga Stradiņš University	Prof. Angelika Krūmiņa	ME/CFs in infectious disease clinic (with a special emphasis to EU-13)	2
<b>For Workshop No 1</b>			
DePaul University, Chicago, USA	Prof. Lenny Jason,	Discussion of the current situation in prevalence and diagnostic criteria of ME/CFS in USA and Europe	WS
UAB and VHIR, Spain	Dr Ricard Pujol / Dr Eva Martinez	Autoimmune, mechanisms and therapeutic options in ME/CFS	WS
Charite, Germany	Prof Carmen Scheibenbogen	Autoimmune responses in ME/CFS	WS
Universitat de València, Spain	Dr Elisa Oltra	Genomic biomarkers in ME/CFS: from SNPs to Extracellular Vesicles (EVs)	WS

1.5. Table No 5 shows **offer for STSM places**

Table No 5

<b>Institution</b>	<b>Timing / number of places</b>	<b>Requirements to trainee profiles (laboratory, clinical, etc.)</b>	<b>Short course description</b>	<b>Fee/costs</b>
LSHTM	Nov2016-	Clinical and	Training on diverse	n/a

UK	Mar2017, or thereafter, 2 places, minimum 2 months	epidemiology research	aspects of clinical/epidemiological research in ME/CFS and biobanking	
VHIR ES	Planning upon request	Clinical and biological research	Clinics, biomarkers, laboratory	n/a
RSU LV	Planning upon request	Laboratory, pathology,	Laboratory, biomarkers (viral, immunological), coinfections	n/a
Institut Med. Immunology, Charité, Berlin	1 - 2	Physician Basic German required	Participation in outpatient clinic	none

1.6. Patient organizations interested in cooperation in the field of ME/CFA and to be involved in all activities

Table No 6

<b>Organisation</b>	<b>Name</b>	<b>Profile</b>
AMCFS Onlus Pavia, Italy	Roberta Ardino	President of the Charity
Spanish ME/CFS patients' Association, Spain	Dr Ricard Pujol	

1.6. **Venues** for training schools

Table No 7

<b>Organisation</b>	<b>Place</b>	<b>Cost profile: accommodation, meals etc.</b>	<b>Travel cost estimate per person</b>	<b>Local resources: trainers, clinics etc.</b>
<b>Training school No 1:</b>				
Univ. of Pavia /CHT	Pavia-Italy	100 euro/day/person	300-400 euro	trainers
<b>Training school No 2:</b>				
Romania, Latvia				

1.8. **Additional offers for training** – not COST supported

Table No 8

<b>Institution</b>	<b>Timing / number of places</b>	<b>Requirements to trainee profiles (laboratory, clinical, etc.)</b>	<b>Short course description</b>	<b>Fee/costs</b>
FENS Cajal programme	Themes do not repeat 2-week courses with laboratory training Places- offered to one class, usually ca 30	Open mostly to wide range, no clinical requirement	See <a href="http://www.fens.org/Training/CAJAL-programme/">http://www.fens.org/Training/CAJAL-programme/</a>	3-5.000 fee + subsistence Limited support available
FENS Winter/Summer schools	One Winter and one Summer school per year Places: large class	Wide	<a href="http://www.fens.org/Training/FENS-Schools/">http://www.fens.org/Training/FENS-Schools/</a>	500 EUR – only participation Open to members/non members

2. Actually within the first year 3 STSMs were organized and the decision was taken for the Training school No 1.

### 2.1. Organized STSMs

Table No 9

<b>Institution/trainer</b>	<b>STSM applicants</b>	<b>Duration</b>	
VHIR ES, Prof. Jose Alegre-Martin	Angelika Krūmiņa, Latvia	12 - 22 March 2017	
VHIR ES, Dr Jesus Castro-Marrero	Zaiga Nora-Krūkle, Latvia	19 – 30 March 2017	
IGTP Health Sciences Research Institute of the Germans Trias i Pujol Foundation , ES, Dr Julian Blanco	Santa Rasa, Latvia	20 – 31 March 2017	

\*According to the survey data also Romania had applied for 2 candidates. Unfortunately during preparation stage one of the candidates left the University due to the local situation, another one had received a postdoctoral fellowship to work in another country.

## 2.2. Training school No 1

Table No10

Title	Dates	Location	Lecturers/students
Training school on-omics and bioinformatics in ME/CFS research	17/07/2017 - 22/07/2017	Pavia (Italy)	4/12