Short Times Scientific Missions Ms organized in period 2016-2020

Institution/trainer	STSM applicants	Duration	Topic/title	Evaluation
Vall d'Hebron University	Angelika Krumina,	12-22 March, 2017	Harmonization of CFS/ME	New insights in CFS/ME
Hospital, Spain	Latvia		clinical standards, diagnostic	diagnostics and management
Dr José Alegre-Martin			strategies and management	on Spanish/European level,
· ·			plan: comparisons between	with the preparation of a
			approaches in Latvia and	national-level guidance
			Spain	
AIDS Research Institute	Santa Rasa,	19–30 March, 2017	Cell population phenotype	Obtained knowledge and
IrsiCaixa, IGTP Health	Latvia		and function marker	experience of immune cell
Sciences Research Institute			determination	population analysis, gating
of the Germans Trias I				strategies and result
Pujol Foundation, Spain				interpretation to evaluate and
				characterize cell population
Dr Julià Blanco				phenotype and function
				markers in ME/CFS patients
		_		using flow cytometry.
Vall d'Hebron Research	Zaiga Nora-Krukle,	20-31 March, 2017	Study of mitochondrial	Acquired knowledge and skills
Institute, CFS unit, Spain	Latvia		dysfunction, oxidative stress	for the detection of
			and coenzyme Q10 deficiency	mitochondrial biogenesis
Dr Jesús Castro-Marrero			in CFS/ME pathophysiology	markers, which will be
				implemented in the home
				institute's lab.
Institut für Med.	Anda Vilmane, Latvia	16-27 October, 2017	Immunological methods for	Acquired molecular biology
Immunology, Germany			studying ME/CFS biomarkers	methods to study ME/CFS
Prof Carmen				biomarkers, in order to apply these in the home institute's
Scheibenbogen				lab.
	Slobodan Sekulic.	15-26 January, 2018	Metabolomics differences in	Preparation of a scientific
University of Pavia, Italy	Serbia	13-20 January, 2018	chronic fatigue	1
Prof Enrica Capelli	2CI DIQ		cili Offic Tatigue	publication concerning difficulties and commonalities
				in metabonomics between
				CFS and other common
				disorders.
				uisoruers.

Vall d'Hebron University Hospital, Spain Dr José Alegre	Sashka Zhelyazkova, Bulgaria	4-17 March, 2018	The diagnosis of CFS/ME patients in Bulgaria and study of the potential role of some viral infections as risk factors in the development of the syndrome	Acquired new knowledge in CFS/ME diagnostics and treatment, which will be applied in the home institute in Bulgaria.
Rīga Stradiņš University, Latvia Prof Modra Murovska	Sophie Steiner, Germany	11-24 March, 2018	Detecting HHV6 and 7 with different PCR methods for biomarker research in CFS/ME	Acquired various molecular biology methods of persistent viral infection and its activity phase detection, as well as the determination of viral load.
University of Pavia, Italy Prof Enrica Capelli	Maksims Cistjakovs, Latvia	12-25 March, 2018	miRNA profiling in ME/CFS	Mastered protocols for microbiota metagenomic research and methods for the study of various micro RNA (miRNA) expression needful for future research on ME/CFS and other autoimmune diseases.
Oslo University Hospital, Norway Dr Elin B. Strand Prof Anne Marit Mengsho	Sandra Gintere, Latvia	18-26 April, 2018	Clinical practice and research about CFS/ME	Knowledge in ME/CFS diagnostics supplemented and new knowledge acquired, which will be applied in GP practice in Latvia.
Department of General Internal Medicine, Ghent University Hospital, Belgium Dr Els Tobback	Stefania Diaconu Romania	10-23 September, 2018	Information about Chronic Fatigue Syndrome (CFS), concerning clinical assessment, diagnosis, investigations and management. Although frequent complains among the Romanian population, fatigue and other sleep	Obtain information within the EUROMENE network and also develop a program - initially at the Clinic where I work, and then extending to more national centres - in order to better evaluate and take care of the patients with CFS.

			disorders are understudied and undertreated.	
London School of Hygiene and Tropical Medicine (LSHTM), UK Dr Eliana Lacerda Dr Nuno Sepulveda	Tiago Domingues, Portugal	27 November – 8 December, 2018	Analysis of the serological data from UK ME/CFS biobank. In this biobank, there are four main groups of patients: (i) healthy controls; (ii) patients with multiple sclerosis; (iii) ME/CFS moderately-affected patients; (iv) ME/CFS severely-affected patients. I intend to perform the following analyses: 1. Estimation of seropositivity and seroconversion rates associated with different viral infections, 2. Serological stratification of the patients in UK ME/CFS biobank using correspondence analysis and latent class analyses, 3. Comparison of the serological profiles between different groups of patients, 4. Preparation of a publication with the main findings.	Information about analysing Data referred to the IgG antibody levels against the following viruses: cytomegalovirus (CMV), Epstein-Barr virus (EBNA and VCA antigens); Human Herpes Virus 6 (HHV), Herpes Simplex Virus 1 (HSV1), Herpes Simplex Virus 2 (HSV2) and varicella-zoster virus (VZV) with two or more latent serological populations (seropositive and seronegative).
Immunology and Genetic Analysis Laboratory, Department of Earth and Environmental Science, and Centre For Health Technology, Pavia, Italy Prof Enrica Capelli	Anastasija Hodorogea Romania	18 – 27 March, 2019	Immunological studies in patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome	Acquired knowledge and skills for techniques in the study of the human intestinal microbiota for the patients with ME/CFS.

Department of Bioscience and Nutrition, Karolinska Institutet, Sweden Prof Pontus Henriksson	Fernando Estévez- López Netherland	18-30 March, 2019	The main aim of his stay has been to establish an international collaboration and to discuss the potential development of a Smartphone app for identifying subgroups of people with ME/CFS according to their daily fluctuations on symptoms	Introduction with Smartphone app for identifying subgroups of people with ME/CFS according to their daily fluctuations on symptoms.
Cure-ME Research Group, Faculty of Infectious & Tropical Diseases, LSHTM United Kingdom Dr Eliana Lacerda	Sandra Maria Bauer Germany	31 March-13 April, 2019	Building a professional biobank for CFS/ME patient samples.	Understanding of biobanking and thus data and sample collection for ME/CFS patient.
Department of Virology, National centre of Infectious and Parasitic Diseases (NCIPD), Sofia, Bulgaria Prof Evelina Shikova- Lekova	Natasa Hinic Serbia	12-19 August, 2019	Practical approach in a herpes-, papilloma and polyoma diagnostic as infection-associated biomarkers of ME/CFS	Improving the knowledge of herpes-, papilloma- and polyoma viruses as infection-associated biomarkers of ME/CFS and skills in diagnostic technique of herpes- and papilloma viruses.
London School of Hygiene and Tropical Medicine, UK Dr Eliana Lacerda Dr Nuno Sepulveda	Francisco Westermeier Austria	18 August-1 September, 2019	Application of multivariate statistical methods to identify subgroups of ME/CFS patients	Acquiring of experience in statistical techniques that could be applicable to the stratification of ME/CFS patients.

Paris Est-Creteil University, Creteil, Paris, France Prof Jerome Authier	Stefania Diaconu Romania	09-21 September, 2019.	European Network on Myalgic Encephalomyelitis/ Chronic Fatigue Syndrome	to gain knowledge about CFS, from clinical and paraclinical diagnosis to management, particularly in relation with other neuromuscular disorders.
Department of Child and Adolescent Psychiatry, Rotterdam, Netherlands Dr. Estevez-Lopez	Maria Rodriguez Garcia	1 -14 October, 2019.	Brain structure and function characteristics of chronic fatigue syndrome	Increasing knowledge in two specialized type of neuroimaging (i.e., diffusion tensor imaging (DTI) and resting state functional magnetic resonance (rsFMRI).
University of Pavia, Italy Prof Cinzia Di Novi	Diana Arāja Latvia	9-13 December, 2019	Investigation of opportunities to use the patient-reported outcomes in evaluation of socio-economic impact of ME/CFS to society	Determination of the social impact of ME/CFS and to appraise the economic damage from the disease.
The Catholic University of Valencia "San Vicente Mártir", Spain Prof Elisa Oltra	Sabine Gravelsina Latvia	8 -22 February, 2020	Molecular methods for studying ME/CFS biomarkers	Increasing knowledge in different techniques – qRT- PCR of non-coding RNAs & Northern blot of small RNA