

Work And Budget Plan
CA15203 Grant Agreement Period 1
 01/11/2016 to 30/04/2017

Section I: Action Profile

Action General Information

Action Code	CA15203	MC Chair	Prof Erich Gnaiger
Action Title	CA15203 - Mitochondrial mapping: Evolution - Age - Gender - Lifestyle - Environment		
MOU		Draft MOU	OC-2015-2-19984
CSO Approval Date	2016-02-26		
Action Start Date	2016-09-12	Action End Date	2020-09-11
Science Officer	Dr Federica Ortelli	Administrative Officer	Mr Christophe Peeters

Participating COST Member Countries and Cooperating State:

	ITC		Non-ITC		Total
Cost Countries having accepted the MOU	Number	14	Number	16	30
	% of all ITCs	46.67%	% of all non-ITCs	53.33%	
Number of MC Members	21		33		54

Country and Acceptance Date		
AT 23/03/2016	HU 22/03/2016	PT 28/04/2016
BE 02/05/2016	IE 29/03/2016	RO 23/03/2016
HR 06/04/2016	IL 09/03/2016	RS 01/04/2016
CZ 12/05/2016	IT 23/06/2016	SK 12/09/2016
DK 31/03/2016	LV 07/03/2016	SI 04/04/2016
EE 04/03/2016	LT 07/06/2016	ES 03/05/2016
FI 08/09/2016	MT 07/05/2016	SE 26/08/2016
FR 11/03/2016	NL 26/02/2016	CH 19/04/2016
DE 22/03/2016	NO 04/05/2016	TR 16/06/2016
EL 09/03/2016	PL 14/03/2016	UK 11/03/2016

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International cooperation

	NNC	IPC	Specific Organisation	Total
Number of entities formally approved to join Action	0	0	0	0
Number of countries	0	0	0	0

Working Groups

	WG Title	WG Leader	Number of Members
WG1	Standard operating procedures and user requirement document: Protocols, terminology, documentation	Dr Kathrin Renner-Sattler	70
WG2	MITOEAGLE data repository in muscle and other tissues	Dr Pablo M. Garcia-Roves	55
WG3	MITOEAGLE data repository on fat tissues and other tissues	Prof Jan Nedergaard	30
WG4	MITOEAGLE data repository for blood cells and cultured cells	Dr Nicoleta Moiso	70

Section II: MoU objectives and Grant Agreement Period Goals and Activities

Action Objectives from MoU

<p>Aim/primary Objective</p>	<p>include Evolution, Age, Gender, Lifestyle and Environment (EAGLE) in studies of mitochondrial function. MITOEAGLE develops harmonisation protocols towards generating a data repository on mitochondrial respiratory function. A data management system will interrelate various study-results and set them into a multidimensional context, to better diagnose mitochondrial respiratory defects</p>
<p>Secondary objectives</p>	<ul style="list-style-type: none"> • Intensify the dissemination of updated knowledge and know-how among the partners. • Build and improve collaborative relationships among the participating groups of the Action and interested end-users. • Optimally harmonise protocols across research groups. • Foster coordinated research activities of scientific proposals in the European Research Area. • Increase the number of active participants in the course of the COST Action. • Form a unique well-coordinated network of senior researchers and young investigators. • Include well established stakeholders. • Establish a spirit of mentorship and collaboration in contrast to fierce competition which characterised early decades of bioenergetics. • Initiate applications for funding to support international collaborative research projects. • Present and publish results of collaborative research projects within the COST Action, particularly related to STSMs supported by the Action. • MITOEAGLE recommendations: The goal is to increase the value and reduce the noise in mitochondrial research. Prespecified and time-stamped protocols are needed in practice, and researchers need to be introduced into adhering to publicly deposited protocols in practice. MITOEAGLE recommendations will provide practical guidelines for students, scientists and stakeholders. • A monitored database – centres of excellence: The MITOEAGLE database will provide an invaluable tool for mitochondrial studies in the transition from exploratory preclinical research to clinical and pharmacological applications. Centres of excellence will emanate from the project?s working groups providing training programmes and diagnostic services. • Training: Enhance the rigorous training activities particularly for PhD students and young researchers (STSMs, Schools, Workshops, Conferences) in order to establish the practical guidelines introduced by MITOEAGLE and to enhance research results in the long term.

Grant Agreement Period

Grant Agreement Period Start Date	01/11/2016	Grant Agreement Period End Date	30/04/2017
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Grant Agreement Period Goals

Number	Grant Agreement Period Goal	MoU Objective(s) it relates to
GAPG 1	Development of an interlaboratory proficiency ring test	<ul style="list-style-type: none"> • Secondary objective 11
GAPG 2	Draft of a manuscript on concepts and terminology of mitochondrial physiology	<ul style="list-style-type: none"> • Secondary objective 1 • Secondary objective 2 • Secondary objective 5 • Secondary objective 6 • Secondary objective 8 • Secondary objective 10
GAPG 3	Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis	<ul style="list-style-type: none"> • Secondary objective 1 • Secondary objective 2 • Secondary objective 3 • Secondary objective 4 • Secondary objective 6 • Secondary objective 8 • Secondary objective 11
GAPG 4	Draft of a manuscript on procedures, protocols and general guidelines for mitochondrial respiratory studies in muscle tissue	<ul style="list-style-type: none"> • Secondary objective 1 • Secondary objective 2 • Secondary objective 3 • Secondary objective 4 • Secondary objective 5 • Secondary objective 6 • Secondary objective 8 • Secondary objective 10 • Secondary objective 11
GAPG 5	Kick-off meeting discussing mt fitness evaluated in fat tissue, future applications, consensus protocols and reporting schemes in a standardized format	<ul style="list-style-type: none"> • Secondary objective 2 • Secondary objective 3 • Secondary objective 5 • Secondary objective 6 • Secondary objective 8 • Secondary objective 11
GAPG 6	Kick-off meeting to develop a working plan for the establishment of consensus protocols, reporting schemes, and the assignment of specific study tasks for mitochondrial respiratory studies in blood and cultured cells	<ul style="list-style-type: none"> • Secondary objective 2 • Secondary objective 3 • Secondary objective 5 • Secondary objective 6 • Secondary objective 8 • Secondary objective 11
GAPG 7	Development of SOPs for blood cell separation	<ul style="list-style-type: none"> • Secondary objective 1 • Secondary objective 2 • Secondary objective 3 • Secondary objective 4 • Secondary objective 8 • Secondary objective 11

Section IV: Work and Budget Plan for the Grant Agreement Period

Work and Budget Plan Summary

A. COST Networking Tools	EUR
(1) Meetings	52,820.00
(2) Training Schools	0.00
(3) Short Term Scientific Missions (STSM)	3,000.00
(4) COST Action Dissemination	5,500.00
(5) Other Expenses Related to Scientific Activities (OERSA)	0.00
B. Total Science Expenditure (sum of (1) to (5))	61,320.00
C. Financial and Scientific Administration and Coordination (FSAC) (max. of 15% of B)	9,198.00
D. Total Expenditure (B+C)	70,518.00

Meetings

Overview

Meeting Title	Meeting Type	Dates	Location	ITC	Total Cost(EUR)
A roadmap for MITOEAGLE and first steps.	Working Group Meeting, Core Group Meeting	15/11/2016 - 17/11/2016	Verona (Italy)	No	13,800.00
Mitochondrial mapping MC meeting and workshops	Management Committee Meeting, Working Group Meeting, Workshops/Conferences	21/03/2017 - 23/03/2017	Barcelona (Spain)	No	39,020.00
				Total	52,820.00

Details

Meeting Type	Working Group Meeting, Core Group Meeting		
Title of the Meeting	A roadmap for MITOEAGLE and first steps.		
Grant Period Goal(s) it will address	Development of an interlaboratory proficiency ring test, Draft of a manuscript on concepts and terminology of mitochondrial physiology, Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis, Kick-off meeting to develop a working plan for the establishment of consensus protocols, reporting schemes, and the assignment of specific study tasks for mitochondrial respiratory studies in blood and cultured cells, Development of SOPs for blood cell separation		
Description	First core group meeting. First meeting of WG1. First meeting of WG4.		
Output(s)	Roadmap of MITOEAGLE. Roadmap of WG1. First draft of position paper on MITOEAGLE (Lancet). Concept of joint publications on nomenclature and terminology in mitochondrial physiology. First steps on implementation of MitoFit Proficiency Test. Roadmap for WG4. Draft of methods manuscript on protocols for blood cell isolation and storage - summary of the state-of-the-art.		
Location	Verona (Italy)	ITC	No
Start Date	2016-11-15 13:00:00	End Date	2016-11-17 13:00:00
Duration	3 days		
Number of expected total participants	30	Number of participants to be reimbursed from COST funds	20
Average reimbursement(per participant)(EUR)	590.00	Total Reimbursement costs (EUR)	11,800.00
Local Organiser Support (EUR)	2,000.00		
Total cost of the meeting (EUR)	13,800.00		

Meeting Type	Management Committee Meeting, Working Group Meeting, Workshops/Conferences		
Title of the Meeting	Mitochondrial mapping MC meeting and workshops		
Grant Period Goal(s) it will address	Draft of a manuscript on concepts and terminology of mitochondrial physiology, Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis, Draft of a manuscript on procedures, protocols and general guidelines for mitochondrial respiratory studies in muscle tissue, Kick-off meeting discussing mt fitness evaluated in fat tissue, future applications, consensus protocols and reporting schemes in a standardized format		
Description	MC Meeting of the first Grant Period, combined with meetings of WG1, WG2 and WG3, followed by a methodological workshop.		
Output(s)	Summary of actions and work plan by the MC. Position paper on MITOEAGLE for publication continued. Publication on nomenclature continued. Roadmap for WG2 and WG3. Training for selected students in methodological workshop.		
Location	Barcelona (Spain)	ITC	No
Start Date	2017-03-21 09:00:00	End Date	2017-03-23 13:30:00
Duration	3 days		
Number of expected total participants	50	Number of participants to be reimbursed from COST funds	42
Average reimbursement(per participant)(EUR)	810.00	Total Reimbursement costs (EUR)	34,020.00
Local Organiser Support (EUR)	5,000.00		
Total cost of the meeting (EUR)	39,020.00		

Short Term Scientific Missions (STSM)

Number	Average cost per STSM(EUR)	Total cost(EUR)
2	1,500.00	3,000.00
Grant Period Goal(s) it will address	Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis, Development of SOPs for blood cell separation	
Description	Experimental and instrumental training	
Output(s)	Draft manuscript on SOPs for blood cell separation. Extension of the library of SUIT protocols and tissue preparation protocols.	

COST Action Dissemination

Title	Type	Publisher/provider	Expected date of Release	Cost(EUR)
MITOEAGLE poster and flyer	Leaflet / Brochure	MITOEAGLE consortium	12/01/2017	2,700.00
Grant Period Goal(s) it will address	Development of an interlaboratory proficiency ring test, Draft of a manuscript on concepts and terminology of mitochondrial physiology, Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis, Draft of a manuscript on procedures, protocols and general guidelines for mitochondrial respiratory studies in muscle tissue, Kick-off meeting discussing mt fitness evaluated in fat tissue, future applications, consensus protocols and reporting schemes in a standardized format, Kick-off meeting to develop a working plan for the establishment of consensus protocols, reporting schemes, and the assignment of specific study tasks for mitochondrial respiratory studies in blood and cultured cells, Development of SOPs for blood cell separation			
Description	MITOEAGLE poster and flyer			
Output(s)	MITOEAGLE poster and flyer			

Title	Type	Publisher/provider	Expected date of Release	Cost(EUR)
www.mitoeagle.org	Action Website	MITOEAGLE consortium	24/11/2016	2,800.00
Grant Period Goal(s) it will address	Development of an interlaboratory proficiency ring test, Draft of a manuscript on concepts and terminology of mitochondrial physiology, Collect and discuss procedures and experimental protocols for the evaluation of mitochondrial capacities and create a Library of protocols: reference SUIT protocols, standard experimental media, and detailed instructions for OXPHOS analysis, Draft of a manuscript on procedures, protocols and general guidelines for mitochondrial respiratory studies in muscle tissue, Kick-off meeting discussing mt fitness evaluated in fat tissue, future applications, consensus protocols and reporting schemes in a standardized format, Kick-off meeting to develop a working plan for			

	the establishment of consensus protocols, reporting schemes, and the assignment of specific study tasks for mitochondrial respiratory studies in blood and cultured cells, Development of SOPs for blood cell separation
Description	COST Action MITOEAGLE website.
Output(s)	Web domain www.mitoeagle.org

Total Disseminations	5,500.00
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