Final WGs Meeting, Athens, 22nd February 2018



European network to integrate research on intracellular proteolysis pathways in health and disease

COST ACTION BM1307

Duration: 25th April 2014 until 24th April 2018



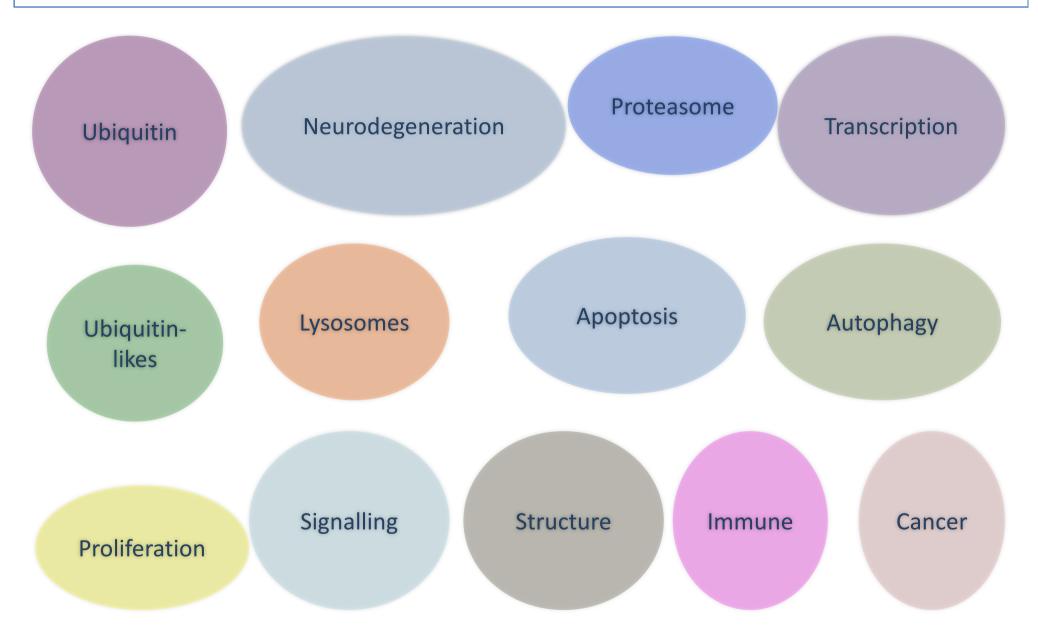




The need to establish a Network

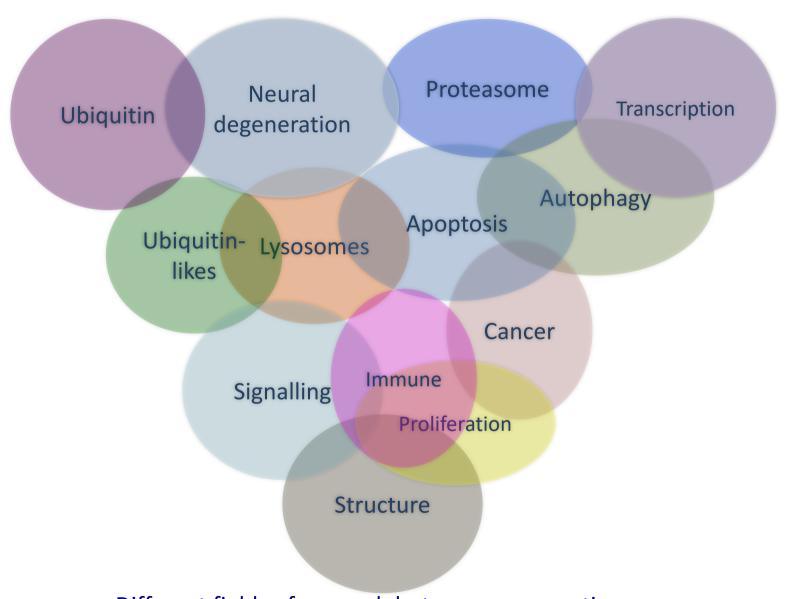


Different disciplines with common interest





COST, an opportunity for integration



Different fields of research but common questions



Objectives

INTEGRATION

To defragment the field and increase communication.

TRANSLATIONALITY

To facilitate the transfer from basic to translational science.

TECHNOLOGY

To foster technology and knowledge in protein homeostasis.

TRAINING

To create and consolidate training efforts in the field.



Initiators and collaborators



Rosa Barrio



Manuel S. Rodriguez



Michael Glickman



Olivier Coux



Marc Piechaczyk



Dimitris Xirodimas

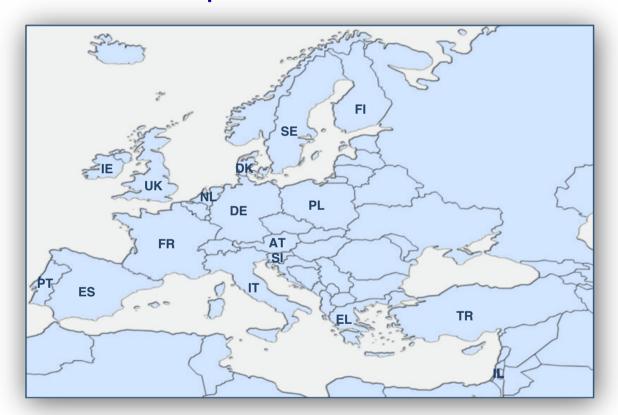


Participants



Participant Countries

Participant Countries: 17 COST



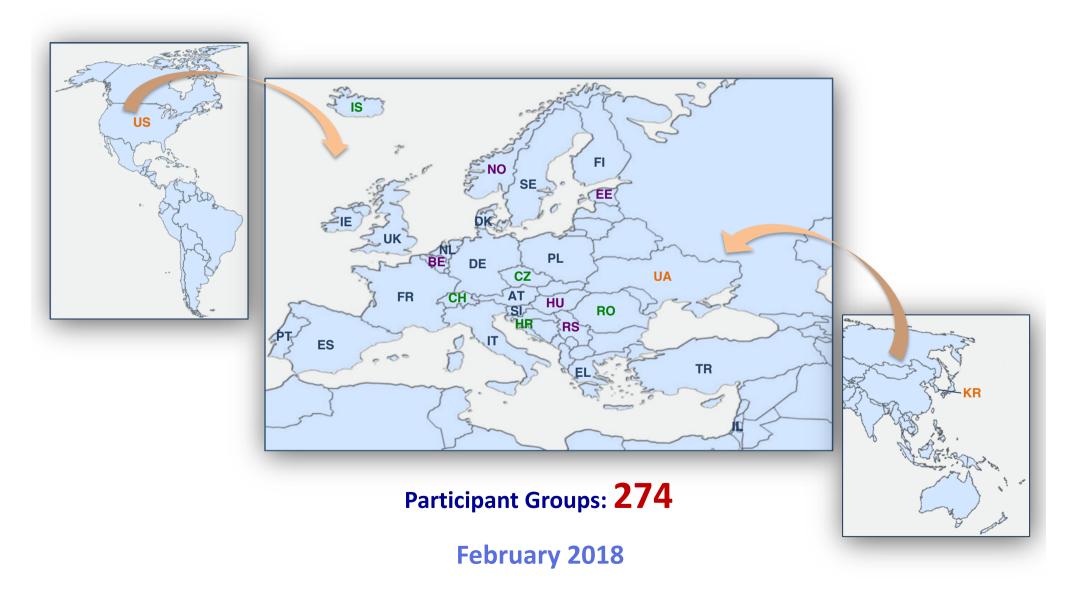
Participant Groups: 80

November 2013



Participant Countries

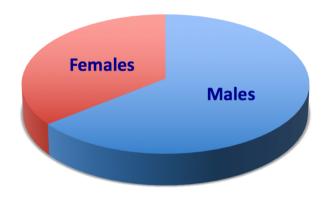
Participant Countries: 27 + Ukraine + USA+ Republic of Korea



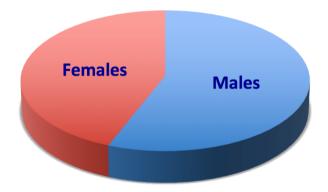


Gender Distribution

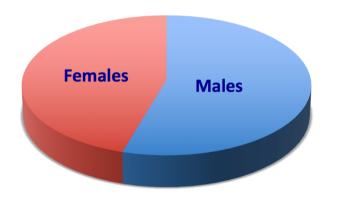
All Members



Management Committee



Core Group



	Number	%
Males	176	64
Females	98	36
Total	274	100

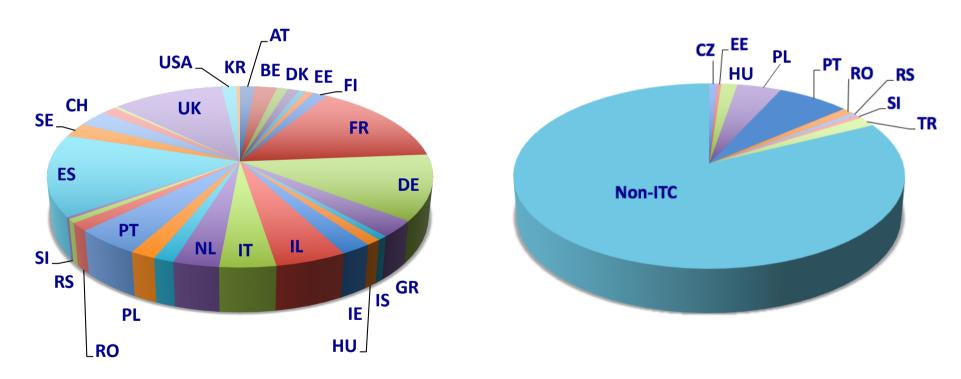
	Number	%
Males	28	56
Females	22	44
Total	50	100

	Number	%
Males	12	55
Females	10	45
Total	22	100



Participant Countries

Country distribution



Participant Groups: 274

February 2018

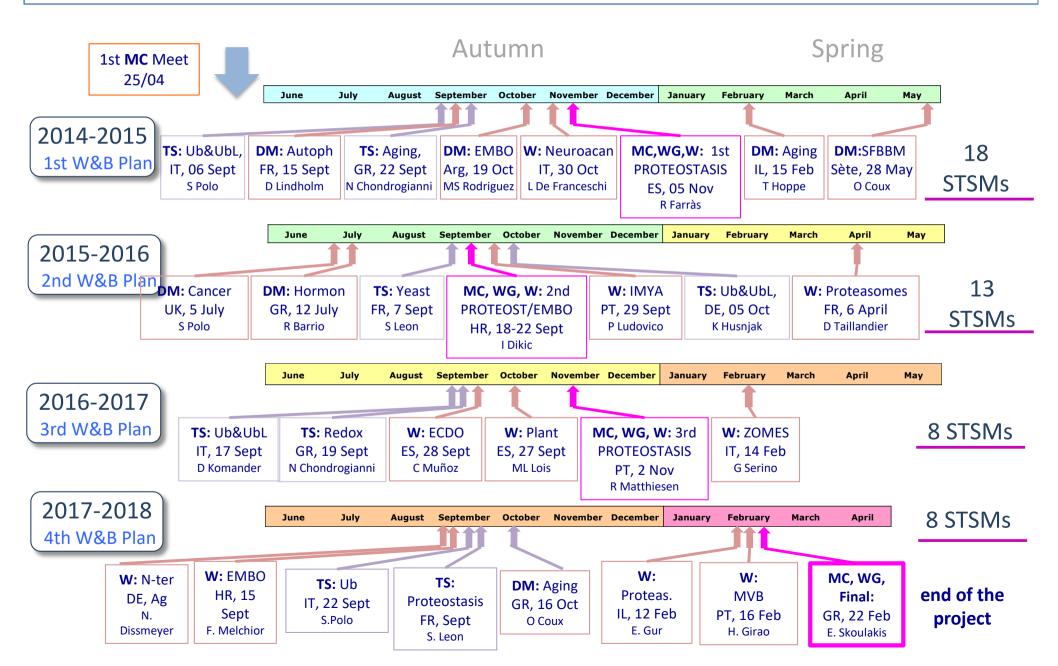


Activities



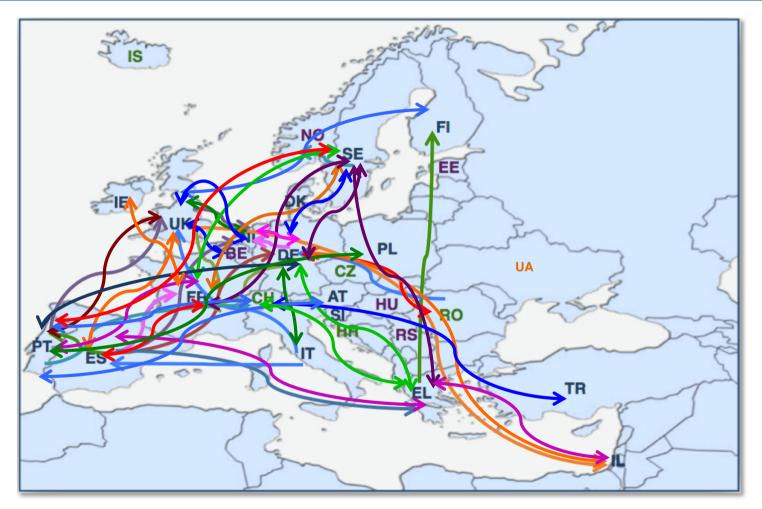
Overview of Activities

(June 2014- April 2018)





Summary Short Term Scientific Missions



http://costproteostasis.eu/stsm-summary/

Number STSMs:



Carina Holmberg-Still



Meetings & Workshops

1st Period

2nd Period

3rd Period

4nd Period

1st PROTEOSTASIS Workshop, 2nd MC



Rosa Farràs

Spain 05-07 Nov 2014

Symposium on Neuroacanthocytosis



L de Franceschi

Italy 30 Oct-1Nov

2014

2nd PROTEOSTASIS Workshop, 3rd MC



Ivan Dikic

Croatia 18-22 Sept 2015

International Meeting on Yeast Apoptosis



Paula Ludovico
Portugal Sept 2015

Proteasomes & Autophagy



Daniel Taillandier
France April 2016

3rd PROTEOSTASIS Workshop, 4th MC



R Matthiesen Petek Balar

Portugal 2-5 Nov 2016

Plant Proteostasis



Maria Lois Spain Sept 2016

Euroconference on Apoptosis



Cristina Muñoz Spain Sept 2016

Zomes IX: PCI & Ubiq



Giovanna Serino Italy Feb 2017

4th PROTEOSTASIS Workshop, 5th MC



M Skoulakis

Greece 22-24 Feb 2018

Proteostasis via N-term



Nico Dissmeyer Germany Sep 2017

Ubiquitin & SUMO



Frauke Melchior
Croatia Sept 2017

Proteasome hub



Silke Meiners
Eyal Gur
Germany Feb 2018

Vesicular Biology



Henrique Girao Portugal Feb 2018



Meetings & Workshops

1st Period

Period 2nd





1st PROTEOSTASIS Workshop, 2nd MC



Rosa Farràs

Spain 05-07 Nov 2014

Symposium on **Neuroacanthocytosis**



L de Franceschi

Italy 30 Oct-1Nov 2014

2nd F



14 **Number of Meetings Organised:**

400 **Number of Reimbursements:**

3rd I

4th PROTEOSTASIS Workshop, 5th MC PROTEOSTASIS COSE **Proteostatic Mechanisms in Health and Disease**

PROTEOSTASIS CEUSE

M Skoulakis Greece 22-24 Feb

2018

Portugal

2-5 Nov 2016

Maria Lois Spain Sept 2016 Cristina Muñoz

Spain Sept 2016

Giovanna Serino Italy Feb 2017

Proteostasis via N-term



Nico Dissmeyer Germany Sep 2017

Ubiquitin & SUMO



Frauke Melchior Croatia Sept 2017

Proteasome hub



Silke Meiners Eyal Gur Germany Feb 2018

Vesicular Biology

RENCE 2017

Ubiq





Dissemination Meetings

Nordic, Spanish & French Autophagy Networks



Dan Lindholm

France September 2014

EMBO Ubiquitin & Ubiquitin-likes



Manuel S Rodriguez

Argentina October 2014

EMBO Regulation of aging and proteostasis



Israel February 2015

EMBO Regulation of aging and proteostasis



Olivier Coux

France February 2015

Thorsten Hoppe

Beatson International Cancer Conference



Simona Polo

UK July 2015

International Insect Hormone Workshop



Rosa Barrio Greece July 2015

IUBMB Meeting on Aging and Longevity



Olivier Coux

Greece October 2017



Dissemination Meetings



International Autophagy Conferences

Dan Lindholm

France September 2014

EMBO Ubiquitin & Ubiquitin-likes

Ubiquitin & ubiquitin-like proteins: At the crossroads from chromatin to protein 19 – 24 October 2014 | Buenos Aires, Argentina

Manuel S Rodriguez

Argentina October

2014

Number of Dissemination Meetings:

Number of Reimbursements:

18

5

arrio

RESEARCH

INSTITUTE

UK

July

2015

July 2015

ureece

IUBMB Meeting on Aging and Longevity



Olivier Coux

Greece October 2017

Period

2nd

Period

Period 4nd 1st



Training Schools

EMBO Ubiquitin and related modifiers



Simona Polo Italy September 2014

SFRR Biochemical Basis of Healthy Ageing



Niki Chondrogianni

Greece September 2014

Ubiquitylation and sumoylation in yeast



Sebastien Leon

France September 2015

Practical on ubiquitin and ubiquitin-like proteins



Koraljka Husnjak

Germany October 2015

EMBO New approaches to study Ub and UbL mod



David Komander Italy

September 2016

FEBS/SFRR: Redox Regulation of Metabolic Processes



FEBS Advanced Lecture Course on
Redox Regulation of Metabolic Processes
co-sponsored by SFRR-Europe



Niki Chondrogianni

In vivo analysis of ubiquitylation and sumoylation



Gwenael Rabut

France September 2017

Ubiquitin-assisted autophagy



Simona Polo

Italy October 2017



Training Schools

1st Period

2nd Period

EMBO Ubiquitin and related modifiers



Simona Polo Italy September 2014

SFRR Biochemical Basis of Healthy Ageing



Niki Chondrogianni

Greece September 2014

Ubiquitylation and sumoylation in yeast

Practical on ubiquitin and ubiquitin-like proteins

'njak

Number of Training Schools Organised

Number of People reimbursed:

8

75

esses

2016

In vivo analysis of ubiquitylation and sumoylation



Gwenael Rabut

France September 2017

Ubiquitin-assisted autophagy

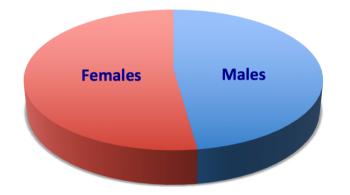


Italy
October
2017

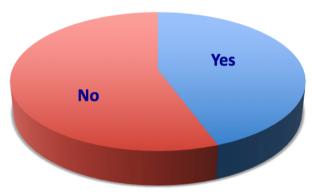


Participation in Activities (527)

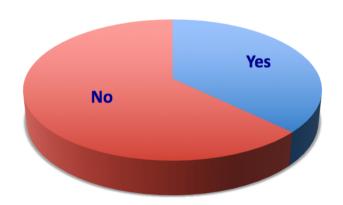
Gender balance



MC/CG Member



C	L	_	



Gender	Number	%
Males	252	48
Females	275	52
Total	527	100

MC/CG	Number	%
Yes	234	44
No	293	56
Total	527	100

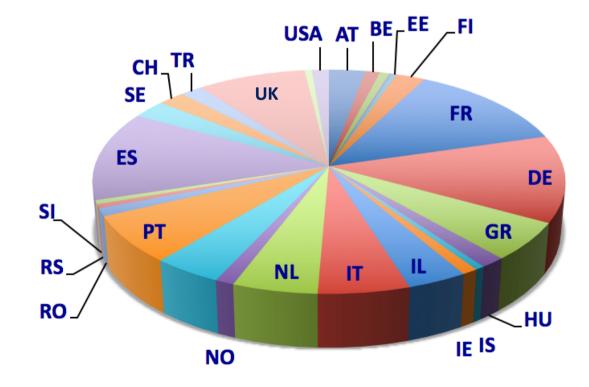
ESR	Number	%
Yes	196	37
No	331	63
Total	527	100



Participation in Activities (426)

Country	Number	%
AT	15	2,85
BE	6	1,14
CZ	4	0,76
DK	1	0,19
EE	2	0,38
FI	12	2,28
FR	68	12,90
DE	66	12,52
GR	29	5,50
HU	8	1,52
IS	3	0,57
IE	5	0,95
IL	19	3,61
IT	29	5,50
NL	27	5,12
NO	6	1,14
PL	22	4,17
PT	36	6,83
RO	6	1,14
RS	3	0,57
SI	3	0,57
ES	68	12,90
SE	14	2,66
СН	11	2,09
TR	9	1,71
UK	45	8,54
UA	3	0,57
USA	7	1,33
Total	527	100,00

Countries

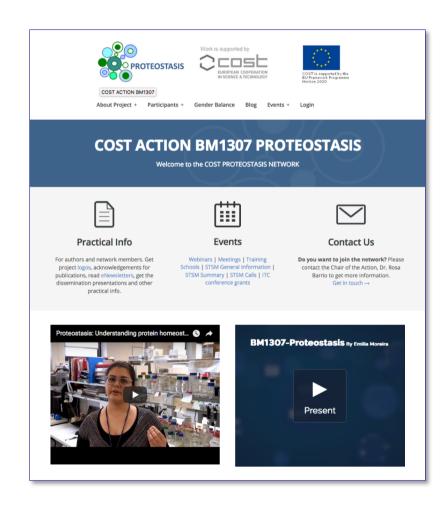




Dissemination



Dissemination: Webpage



http://cost-proteostasis.eu/



Rosa Farràs



Dissemination: Webpage

Read More

8th Proteasome & Autophagy Congress Clermont-Ferrand, France, April 25-27, 2018

Posted: 5 September, 2017



Read More >

"Ubiquitin & Friends" symposium, Vienna (Austria), 4th May 2018

Posted: 30 January, 2018

UBIQUITIN & FRIENDS

SYMPOSIUM 2018

Read More >

2018 FASEB Summer Research Conference on Ubiquitin and Cellular Regulation will be held at Snowmass, Colorado, June 17 to 22, 2018

Posted: 21 July, 2017

43rd FEBS congress, Prague (Czech Republic), 7-12 July 2018

Posted: 30 January, 2018



http://cost-proteostasis.eu/



Rosa Farràs



Dissemination: Videos



Proteostasis training school, 7-11 Sept 2015, Paris

106 views • 1 year ago



First Proteostasis meeting. Valencia, Spain. Nov 2014. 128 views • 1 year ago



Neuroacanthocytosis and neurodegeneration with brain ir... 220 views • 1 year ago



Summer school "Biochemical Basis of Healthy Ageing", 137 views • 1 year ago



Ubiquitin & related modifiers EMBO course

172 views • 1 year ago



7th Proteasome & Autophagy Workshop, Clermont - Ferrand, ...

52 views • 5 months ago



11th International Meeting on Yeast Apoptosis

26 views • 8 months ago



EMBO conference Ubiquitin and ubiquitin-like modifiers, Cavtat, ... 99 views • 9 months ago



Practical course on ubiquitin and ubiquitin-like modifiers, 5-9 oct ... 68 views • 10 months ago



Proteostasis: Understanding protein homeostasis,

402 views • 9 months ago



Workshop Redox Regulation and Metabolic Processes



Impressions from meeting "Proteostasis via N-terminus"

105 views • 1 month ago



Ubiquitin and Ubiquitin-Like

EMBO Practical Course

"Ubiquitin-assisted autophagy from mechanisms

26 views • 1 month ago



3rd Proteostasis Action



EMBO meeting "Ubiquitin and SUMO: From molecular

42 views • 2 months ago



24th ECDO Conference "Cell Death in Health and Disease"



Training School Paris FINAL

36 views • 3 months ago



Impressions from Plant Proteostasis meeting, 27-28



ZOMES IX meeting, Rome. Italy, February 14th-17th,

77 views • 9 months ago



Gemma Marfany



Nico Dantuma

Number of videos:

22 + 1

You Tube

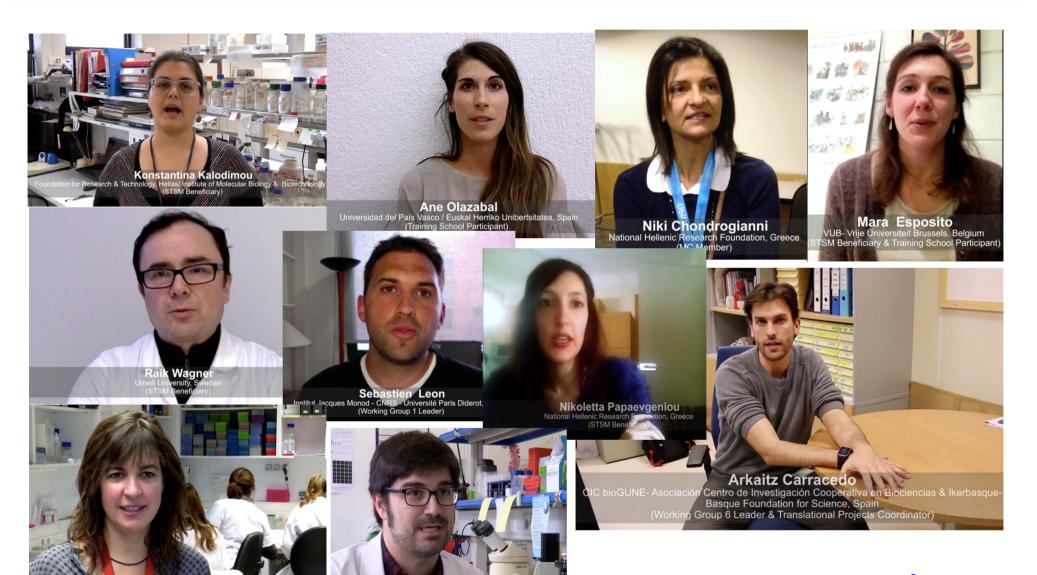
https://www.youtube.com > PROTEOSTASIS



Cristina Muñoz Pinec IDIBELL- Bellvitge Biomedical Research (Working Groups Member

stitute, Spain

Videos: Personal Testimonies



Victor Abad-Morales

www.cost.proteostasis.eu



Videos: Personal Testimonies

"For postdocs and students, a network is an excellent asset in their career, thanks to the possibility to get funds to travel from one lab to another, and possibly to find a new lab for the next step in their career."

"What I liked most was the training school because it was very interactive, and apart from highly educational lectures, we also had practical laboratory sessions. As a PhD student, I have learnt a lot of useful techniques for my project."

I absolutely recommend becoming a member of PROTEOSTASIS. Its strength is a widespread network of scientific groups with the same interests but different specialisations. That makes it **possible to initiate collaborations quickly and efficiently**.

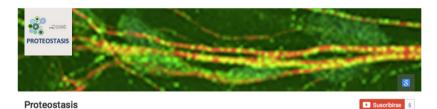
"I had a short-term scientific mission of one month at the laboratory of Professor Cathrine Lindon at the University of Cambridge, where I had access to cutting-edge tools."

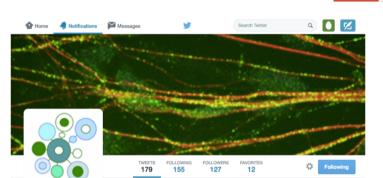
Selected as COST Success Story:

http://www.cost.eu/media/newsroom/boost-your-research-career



Social Media







Proteostasis









Nico Dissmeyer



Nico Dantuma



Webinars

PROTEOSTASIS Webinar "Proteasome and autophagy networks in health and disease" supported by Bio Techne Boston

Posted: 27 April, 2015

Event Date: 28 April, 2015

Ivan DIkic

Proteostasis webinar: "Targeting the ubiquitin proteasome system in cancer: the proteotoxic crisis hypothesis"

Posted: 15 March, 2016

Event Date: 22 March, 2016
Event Time: 3pm to 4pm GMT

Ray Deshaies



Olivier Coux



Elah Pick

Nov 27th WEBINAR by Dr. Ana Maria Cuervo . Selective autophagy in the fight against aging and age-related disorders

Posted: 16 November, 2015

Event Date: 27 November, 2015 Event Time: 1pm to 2pm



Nov 30th. 2016. Webinar on "Autophagic Clearance of Proteasomes via Protein Quality Control Pathways".

Posted: 15 November, 2016

Event Date: 30 November, 2016 Event Time: 3pm GMT

Richard Vierstra





Rune Matthiesen



Simona Polo

Ana María Cuervo

New Proteostasis webinar: Prof. Alfred L. Goldberg: "Functions of the Proteasome: From Protein Degradation to Disease Therapy"

Posted: 21 January, 2016

Event Date: 4 February, 2016 Event Time: 3pm GMT

Alfred L. Goldberg

PROTEOSTASIS Webinar: "20 years and getting stronger – the Ins and Outs of SUMOylation" by Professor Frauke Melchior, 12th December 2017

Posted: 29 November, 2017

Event Date: 12 December, 2017

Frauke Melchior

Proteostasis Webinar: Dr. Richard Morimoto on "The Biology of Proteostasis in Aging and Disease"

Posted: 23 December, 2015

Event Date: 7 January, 2016 Event Time: 3pm GMT

Richard I. Morimoto



http://cost-proteostasis.eu/blog/





E-Newsletters

2015 2016





2017



2018



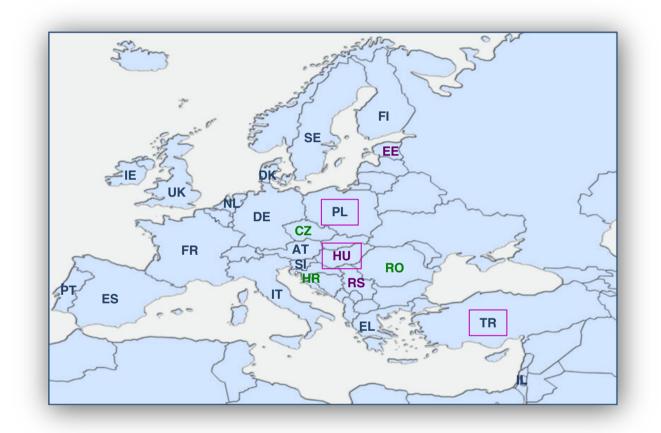


Gemma Marfany

http://cost-proteostasis.eu/blog/



PROTEOSTASIS Inclusive Target Countries Conference Grants





Rosa Barrio



Final Action Dissemination



Final Action Dissemination (FAD) Grant request form









Olivier Coux



MS Rodriguez



Rosa Barrio

Core Group Members

Open Access Publication



Impact



Output Overview

Joint International Publications

co-authored by at least two Action participants from two different countries participating in the Action

50

Other Joint Publications

by members of the network

30

H2020 proposals

International proposals and projects requested (H2020 and others)

34

Other collaborations between members of the network

including patents and exchanges of materials and samples

14



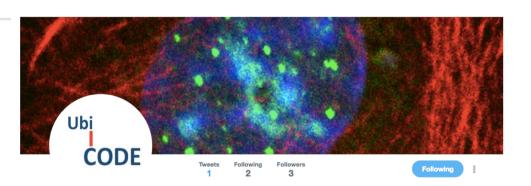
10. Follow-up of MoU objectives: Progress

report of working groups

Selected Projects







TRIM-NET



Future



Sustainability of the network

How will PROTEOSTASIS continue after the ending of the funding period (by April 2018)

- The network allowed to consolidate previous collaborations and generated new ones. Especially, the
 Short Term Scientific Missions enabled the mobility of researchers between laboratories and the development of
 joint research projects.
- In line with the H2020 Strategy, **the transfer of knowledge to industry** is a key part of PROTEOSTASIS and the exploitation of the Translational projects consolidated during the lifetime of our Action.
- **Joint EU projects** already implemented and future joint applications are being prepared between the members of the network, which meets the COST Programme criteria for the consolidation of collaborations and establishment of new ones.
- The communication tools such as the Website, mailing list and the social networks will remain active after the end of the project.
- Possibility of **creation of an International Scientific Society** addressing the protein homeostasis subjects covered by the network Working Groups.



SUMMARY

Translational Think Tank

Training STSMs

Website
Dissemination
Networking

n

PROTEOSTASIS

Networking,
Knowledge,
Collaborations,
H2020
Joint
Grant
Applications

Meetings Workshops

cost-proteostasis@googlegroups.com



Acknowledgements



Working Group Leaders

WG1: Protein modification



Sebastien Leon



Isabelle Jupin

WG2. Proteolytic system



Pascale Bomont



Olivier Coux

WG3. Cell signalling



Michael Clague



Henrique Girao

WG4. Quality control



Wiep Scheper



Petek Ballar

WG5. Proliferation & diff



Dimitris Xirodimas



Christine Blattner

WG6. Diseases & biotech



Arkaitz Carracedo



Makis Skoulakis



Tasks Coordinators





Makis Skoulakis



Marc **Piechaczyk**





Olivier Coux



Rosa **Farràs**

Website

Webinars



S Polo

Pick





Gemma **Marfany**



Nico Dissmeyer



Nico **Dantuma**

Dissemination

STSMs



Carina Holmberg-Still



Elah Pick



M Glickman



MS Rodriguez

Networking



MC /GC Members and Activities Organisers





Special Thanks!!!





Special, Special Thanks!!!

Coralia Pérez







Imma Giordano

Maria Glez. Santamarta





































Functional Genomics Unit, Derio (Bilbao) Spain

rbarrio@cicbiogune.es

http://personal.cicbiogune.es/rbarrio/





Rosa Barrio's Lab



Contact us!







Chair: Dr Rosa Barrio (CIC bioGUNE, ES) rbarrio@cicbiogune.es

Vice-Chair: Dr Olivier Coux (CRBM-CNRS, FR) olivier.coux@crbm.cnrs.fr

Grant Holder: Ms Emilia Moreira (CIC bioGUNE, ES) Gholder1307@innarima.com

www.cost-proteostasis.eu





