



PROTEOSTASIS



COST ACTION BM1307 PROTEOSTASIS

E-NEWSLETTER

Issue 7/ FINAL ISSUE 2018

Our COST Action, BM1307- PROTEOSTASIS, has just ended. During all these 5 years, we have strived to bring together young and senior researchers, labs and companies, working on protein stability mechanisms in health and disease throughout Europe and associated countries.

You can find an overview of all our meetings, webinars, courses, short term missions, congresses and other activities through several communication tools and channels. Browse [Twitter](#), [Facebook](#) and [Youtube](#), where teaser videos of our activities are regularly uploaded. Indeed, you can easily find all these information and many more links at our [Website](#):

<http://cost-proteostasis.eu>

This is the Newsletter with our latest news. Feel free to resend it to any of your colleagues (and see if you can find yourself and your colleagues in the group standing near the Acropolis at Athens, where our last meeting took place).



@Proteostasis

twitter.com/proteostasis



www.youtube.com/channel/UCmQZiJ9a40fS97T6Q2-g_sA



www.facebook.com/pages/Proteostasis/839198092811311

Go and visit our short video reports of our activities on



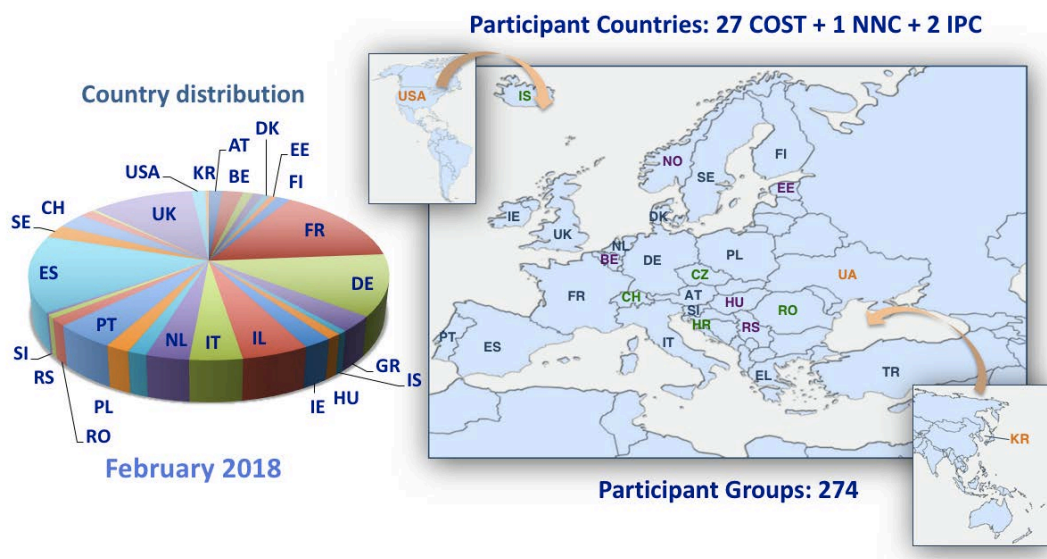
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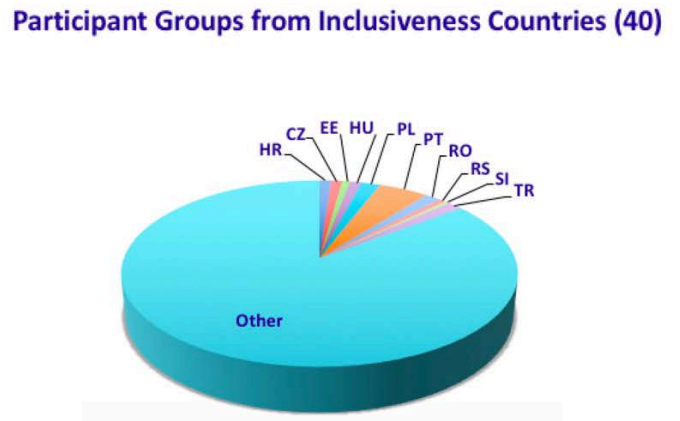
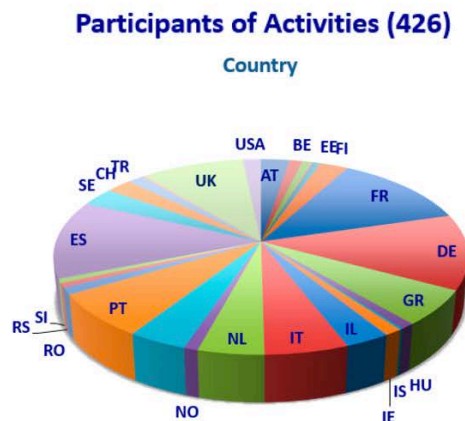
CURRENT STATUS OF THE NETWORK

PROTEOSTASIS Action is more than a list of meetings and workshops related to the proteostasis field, but also a means for generating new knowledge and training of young scientists, a translational think tank and a platform to generate collaborations, networking, joint grant applications.

Here is an overview of our wide geographic reach within Europe



Participation in COST activities is widely shared between all the countries. One of our best assets is the high participation level of Inclusiveness countries



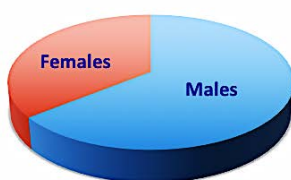


GENDER BALANCE OF THE NETWORK

Our COST Action aimed to favour equal gender distribution in the management committee and core group, slightly favouring females. We have also encouraged young female students to participate, as well as engaged young female researchers.

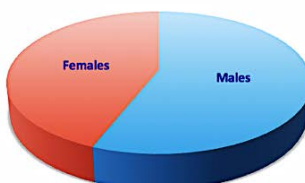
Gender Distribution

All Members



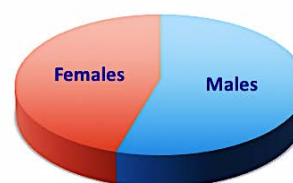
	Number	%
Males	176	64,23
Females	98	35,77
Total	274	100

Management Committee



	Number	%
Males	28	56,00
Females	22	44,00
Total	50	100

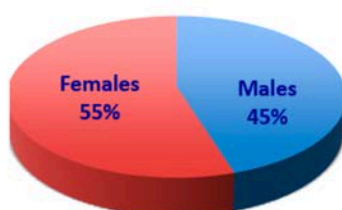
Core Group



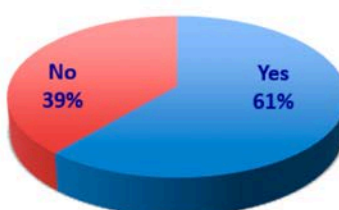
	Number	%
Males	12	54,55
Females	10	45,45
Total	21	100

Organizers of Activities

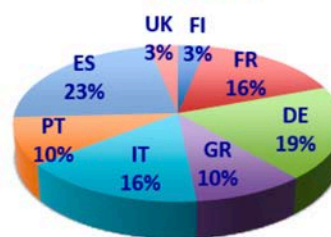
Gender balance



MC/CG Member

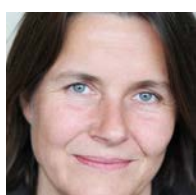


Country



One of our renowned group leaders, Prof. Frauke Melchior, has received the

2018 FEBS Women in Science Awards. CONGRATULATIONS!



Prof Frauke Melchior (member of Working Group 3)



PROTEOSTASIS



PROTEOSTASIS contributions to COST Policy regarding Inclusiveness and Excellence has also received the following Recognitions

Wide.Net's Task 3.2 - Identification of success stories. PROTEOSTASIS selected as a success story pending on European Commission confirmation. **Only project selected NOT coordinated by a Inclusiveness Target Country.**



Organization of PROTEOSTASIS Activities in COST Inclusiveness Countries

EMBO Conference on Ubiquitin and ubiquitin-like modifiers: From molecular mechanisms to human diseases. PROTEOSTASIS MC and WG Meetings, 18th-22nd September 2015, Cavtat, **Croatia**



11th International Meeting on Yeast Apoptosis (Organization: PROTEOSTASIS, IMYA), 29th September 2015-3rd October 2015, Porto, **Portugal**



3rd PROTEOSTASIS Action Meeting: PROTEOSTASIS and its Biological Implications, 2nd – 5th November 2016, Lisbon, **Portugal**



"Ubiquitin and SUMO: from molecular mechanisms to system-wide responses" (Co-organized with EMBO) 15th- 19th September 2017, Dubrovnik, **Croatia**



MVB: Meeting on Vesicular Biology 16th – 17th February 2018, **Portugal**



STSMs from or to COST Inclusiveness Target Countries

13 STSMs Total

**11 STSMs from ITC as origin laboratory
3 STSMs to ITC as destination laboratory**





PROTEOSTASIS



Activities performed during the last year
May 2017-April 2018

MEETINGS AND WORKSHOPS

Proteostasis via the N-terminus



Nico Dissmeyer

11th- 13 September 2017, Halle, Germany

<http://nterm2017.dbg-afgn.de/>

EMBO Conference "Ubiquitin and SUMO: from molecular mechanisms to system-wide responses"



Frauke Melchior

15th- 19th September 2017, Dubrovnik,
Croatia

<http://meetings.embo.org/event/17-ubiquitin>



PROTEOSTASIS



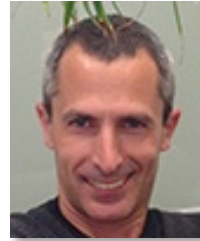
The Proteasome hub: Fine-tuning of proteolytic machines according to cellular needs

The Proteasome Hub:
Fine-Tuning of Proteolysis
According to Cellular Needs

ORGANIZED BY COST ACTION BM1307 PROTEOSTASIS

February 12-14, 2018 | Schloss Hohenkapfmer,
Munich, Germany

Work in cooperation with:
COST European Cooperation in Science & Technology
DFG Deutsche Forschungsgemeinschaft
LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN
HELENA Helmholtz Institute for Experimental and Applied Physics



Eyal Gur



Silke Meiners

12th-14th February 2018, Munich, Germany

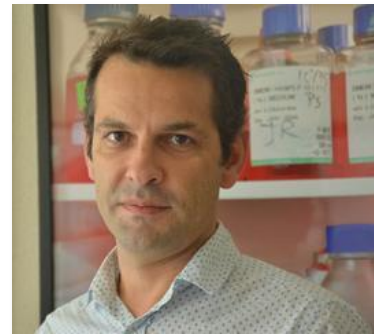
<http://cost-proteostasis.eu/event-category/meetings/>

MVB: Meeting on Vesicular Biology

*1st Meeting
on Vesicular Biology*

February 16-17, 2018
Coimbra, Portugal

Organized by cost action BM 1307 Proteostasis



Henrique Girao

16th- 17th February 2018, Coimbra, Portugal

<http://cost-proteostasis.eu/event-category/meetings/>

YOU CAN FIND THE VIDEOS OF ALL SEMINARS IN OUR YOUTUBE CHANNEL
https://www.youtube.com/channel/UCmQZiJ9a4OfS97T6Q2-g_sA



PROTEOSTASIS



PROTEOSTASIS Final Meeting and 5th MC Meeting

Proteostatic Mechanisms in Health and Disease

The Final COST Action BM1307 Meeting
22-24 February 2018, Divani Palace Acropolis, Athens, Greece



Efthimios Skoulakis



Niki Chondrogianni

22nd-24th February 2018, Athens, Greece

<http://www.proteostasis2018.gr/>

DISSEMINATION MEETINGS

IUBMB Focused Meeting on Molecular aspects of aging and longevity (Dissemination Meeting)



Olivier Coux

16th-19th October 2017, Athens, Greece

<http://www.iubmb2017aging.org/>



PROTEOSTASIS



TRAINING SCHOOLS & PRACTICAL COURSES

In vivo analysis of ubiquitylation and sumoylation

In vivo analysis of ubiquitylation and sumoylation
Training school

ORGANIZED BY COST ACTION BM1307 PROTEOSTASIS



Gwenael Rabut

4th-9th September 2017, Paris, France

<http://cost-proteostasis.eu/event-category/training-schools/>

2nd IFOM Symposium - Advanced Lecture Course "Ubiquitin-assisted autophagy from mechanisms to pathology"



Simona Polo

11th-13th October 2017, Milan, Italy

<https://www.ifom.eu/events/2017-ubiquitin/>



TRANSLATIONAL PROJECTS

This is a list of the translational projects that have been generated through this COST Action:

(I) Role of TRIM Ubiquitin ligases in systemic lupus erythematosus and Parkinson

Meroni, Jefferies, Desagher, Hay, Ovaa, Blattner, El Oualid

(II) Tackling proteases: from fundamental mechanisms to clinical implications.

Clague, Urbé, Outeiro, Marfany, Holmberg-Still, Vitorino, Nicholson, JA Rodriguez

(III) Autophagy in physiology and pathology

Escalante, Danek, de Franceschi, Hermann, Menezes, Velayos-Baeza, Zoladek, Alonso

(IV) Cancer: Molecular pathways and clinical challenges

Carracedo, Barrio, Urruticoechea, Farràs, Soubeyran, MS Rodriguez

(V) Aging and Neurodegeneration: Diagnosis and therapeutics

Scheper, Blattner, Sanz, Menezes, Chondrogianni, Korolchuk, Ferrús, Skoulakis

(VI) UPS disease biomarkers and potential drug targets

MS Rodriguez, Matthiesen, Vertegaal, Roué, Perez-Galan, Ovaa, Carracedo, Barrio, Hay

(VII) Bioactive compounds as potential therapeutic agents to protein misfolding diseases

Menezes, Skoulakis



IMPACT OF COST ACTION BM1307

The COST BM1307 Action has direct impact on creating a network for research collaborations, training of young scientists, and new applications and fruitful contacts with companies:

Description of the Impact	Type of Impact	Timing of Impact
Collaborations boosting creativity, technological improvement and mentoring putting together: experienced and ECI & basic and applied research	Scientific	Joint projects and publications
Synergy among the participants' existing research activities in this field and to develop novel approaches	Scientific	Meetings, STSMs, and other networking tools
Training diffusion within the European population of scientific knowledge and also into a number of applications with high clinical impact	Societal	Implementation of training schools that attract students new to the field within and out PROTEOSTASIS
Communication with the private sector research accelerators, frame for collaborations	Economic	Communication increased with the private sector, increase in the technology transfer efforts of the network. These basis can support the creation of spin offs and start ups in the future
New medical applications boosting research from collaborations in a variety of different diseases.	Economic & Societal	Technology sharing, new approaches to diseases, novel markers and innovative diagnosis, in the future

The research groups of COST BM1307 PROTEOSTASIS have been very active. This is a sample of the collaborations promoted within the Action:

Joint International Publications co-authored by at least two Action participants from two different countries participating in the Action	23
Other Joint Publications by members of the network	20
H2020 proposals projects spinning off from Action activities and including in the proposing consortium at least three Action participants from at least three different countries participating in the Action.	10
Other collaborations between members of the network including patents and exchanges of materials and samples	14



PROTEOSTASIS



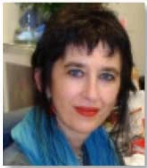
EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY



**SPECIAL THANKS TO THE CHAIR, VICE-CHAIR AND GRANT
HOLDER FOR THEIR DEDICATION TO THIS ACTION**

<http://cost-proteostasis.eu/organization/>

Chair



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Vice-Chair



Olivier Coux

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Grant Holder



Emilia Moreira

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Translational Projects Proposals

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STSMs Applications

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Working Group Leaders

WG1 Protein Modification

mechanisms, crosstalks, properties, structural basis, receptors
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WG2 Proteolytic Systems

proteasomes, autophagy, lysosomes, apoptosis
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WG3 Cell Signalling

signalling cascades, protein traffic, transcriptional regulation
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WG4 Quality Control, Misfolding and Aggregation

folding, ERAD, chaperones
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WG5 Cell Proliferation and Differentiation

cell cycle, cell growth, development
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WG6 Diseases and Biotechnology

cancer, inflammation, neurodegeneration, biotechnology
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