

# COST ACTION BM1307 PROTEOSTASIS

## E-NEWSLETTER

### Issue 6/ Summer 2017

This is the last year of our Action. As follows all the activities and networking activities to be organized. Do not miss any detail!

Remember that there are several communication tools and channels to keep up with our activities, either **via Twitter** and **Facebook** or **Youtube**, where teaser videos of our activities are regularly uploaded. Indeed, you can easily find all these information and links at our **Website**:

<http://cost-proteostasis.eu>

Please, **SEND US** the information on your activities within **PROTEOSTASIS**. And feel free to resend this newsletter to any of your colleagues!!!



**@Proteostasis**

[twitter.com/proteostasis](https://twitter.com/proteostasis)



[www.youtube.com/channel/UCmQZiJ9a4OfS97T6Q2-g\\_sA](https://www.youtube.com/channel/UCmQZiJ9a4OfS97T6Q2-g_sA)



[www.facebook.com/pages/Proteostasis/839198092811311](https://www.facebook.com/pages/Proteostasis/839198092811311)

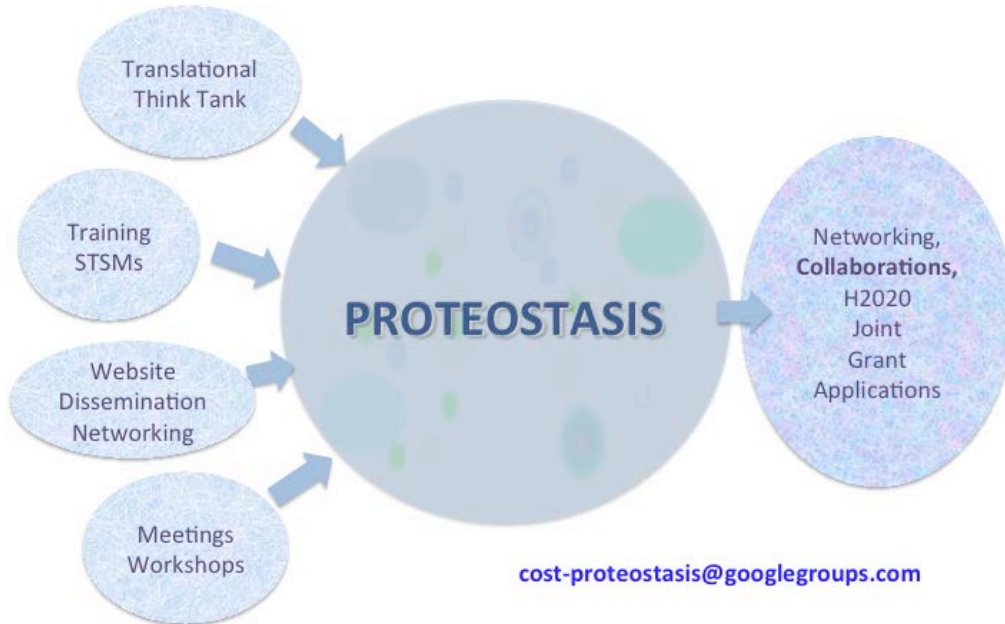
Go and visit our short video reports of our activities on



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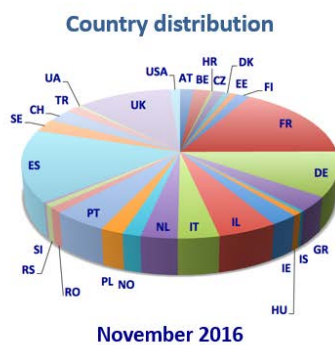


# CURRENT STATUS OF THE NETWORK

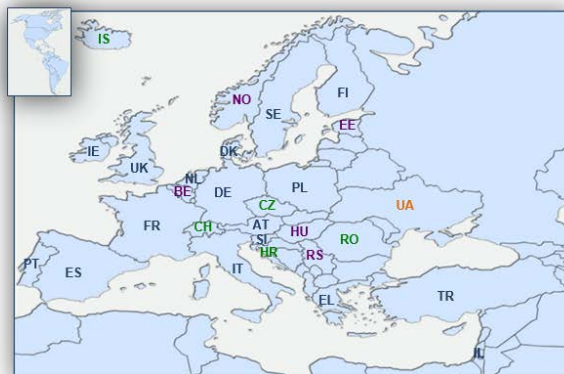


PROTEOSTASIS Action is more than a list of meetings and workshops related to the proteostasis field, but also a mean for generating new knowledge and training of young scientists, a translational think tank and a platform to generate collaborations, networking, joint grant applications.

**New incorporation:** Cornell University, USA, represented by Klass Van Wijk



**Participant Countries: 27 COST + 1 NNC + 1 IPC**



**Participant Groups: 260**



# Activities for the 4th Period May 2017-April 2018

## MEETINGS AND WORKSHOPS

### PROTEOSTASIS Final Meeting and 5th MC Meeting

22<sup>nd</sup>-24<sup>th</sup> February 2018, Athens, Greece



Efthimios Skoulakis

More information to be announced at:

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

### Proteostasis via the N-terminus



Nico Dissmeyer

11<sup>th</sup>- 13<sup>th</sup> September 2017, Halle,  
Germany

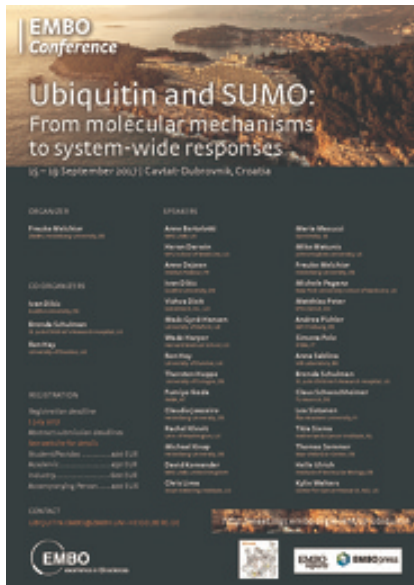
<http://nterm2017.dbg-afgn.de/>



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



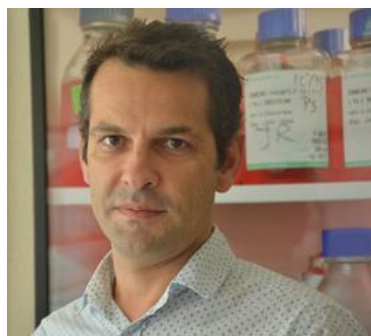
Frauke Melchior

15<sup>th</sup>- 19<sup>th</sup> September 2017, Dubrovnik, Croatia

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

## MVB: Meeting on Vesicular Biology

1st- 2nd February 2018, Coimbra, Portugal



Henrique Girao

More information to be announced at:

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

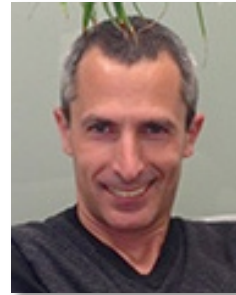




PROTEOSTASIS



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



Eyal Gur

15th-18th January 2018, Kloster Seon, Germany

More information to be announced at:  
<http://cost-proteostasis.eu/event-category/meetings/>

## 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/>

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## SHORT TERM SCIENTIFIC MISSIONS

### **10 new STSMs will be granted this period**

New call was launched in May 2017

For more information check:

<http://cost-proteostasis.eu/stsm-summary/>



**Carina Holmberg-Still**

**Carina Holmberg**  
<Carina.Holmberg@helsinki.fi>



# TRAINING SCHOOLS & PRACTICAL COURSES

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



Simona Polo

11th-13th October 2017, Milan, Italy

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

## In vivo analysis of ubiquitylation and sumoylation

Training school (5 days)  
**In vivo analysis of ubiquitylation and sumoylation**

4 to 8 September 2017

**AUDIENCE:**  
PhD students, postdocs and staff scientists working or planning to work on protein ubiquitylation or sumoylation.

**GOALS & SKILLS:**  
This advanced course will provide a hands-on practical training on tools and techniques used for the analysis of protein ubiquitylation and sumoylation in living cells. The practical sessions will use yeast and cultured mammalian cells as model organisms, yet the concepts and the techniques that will be learned are transferable to other model systems.

**TERM OF ACCESS:**  
Applicants must have a general background in biochemistry. However, as the lessons will be in English, the understanding of specific vocabulary is required. Resume and motivation letter are requested in the application form. Chosen participants will be notified two weeks after the application deadline.

**PEDAGOGICAL ORGANIZATION:**  
The training school will take place during five consecutive working days and will be given in English. The program will include practical sessions, short presentations from the participants, and lectures from the organizers and invited speakers. The schedule will be organized to foster scientific discussions and interactions between the trainees, trainers and invited speakers.

**PROGRAM:**  
• Monitoring the ubiquitylation and sumoylation of proteins by western blot  
• Purification of ubiquitylated and sumoylated proteins under denaturing conditions  
• Identification of ubiquitylated proteins by mass spectrometry  
• Protein complementation assays to investigate ubiquitylation mechanisms  
• Keynote lectures from Hugues de Thé (Paris, France) and Sylvie Uribe (Liverpool, UK)

**PEDAGOGICAL COORDINATION:**  
Gwenael RABUT, INSERM researcher  
Institut de génétique et développement de Rennes  
Sébastien LEON, CNRS research director  
Institut Jacques Monod  
Benoit PALANCARD, CNRS researcher  
Institut Jacques Monod

**DURATION:**  
5 consecutive days (40 hours).

**PLACE:**  
Institut Jacques Monod  
15 Rue Hélène Brion - 75013 Paris, Fr

**PRICE:**  
• 200 € for PhD students  
• 400 € for other scientists  
This price includes lunches and coffee  
Travel grants (up to 500 €) will be awarded to selected participants involved in the PROTEOSTASIS BM1307 (cost-proteostasis)

**CONTACTS:**  
• Estelle RIO  
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estelle.rio@univ-rennes1.fr

Pre-registration form →

UNIVERSITÉ RENNES 1

Organized in the framework of the COST Action "Mechanisms of Ubiquitylation and Sumoylation" (BM1307)

cost  
EUROPEAN COOPERATION  
IN SCIENCE AND TECHNOLOGY

PROTEOSTASIS




Gwenael Rabut

4<sup>th</sup>-8<sup>th</sup> September 2017, Paris, France

More information to be announced at:

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



## TRANSLATIONAL PROJECTS

This is a list of the translational projects so far:

<p><b>(I) Role of TRIM Ubiquitin ligases in systemic lupus erythematosus and Parkinson</b></p> <p><b>Meroni, Jefferies, Desagher, Hay, Ovaa, Blattner, El Qualid</b></p>
<p><b>(II) Tackling proteases: from fundamental mechanisms to clinical implications.</b></p> <p><b>Clague, Urbé, Outeiro, Marfany, Holmberg-Still, Vitorino, Nicholson, JA Rodriguez</b></p>
<p><b>(III) Autophagy in physiology and pathology</b></p> <p><b>Escalante, Danek, de Franceschi, Hermann, Menezes, Velayos-Baeza, Zoladek, Alonso</b></p>
<p><b>(IV) Cancer: Molecular pathways and clinical challenges</b></p> <p><b>Carracedo, Barrio, Urruticoechea, Farràs, Soubeyran, MS Rodriguez</b></p>
<p><b>(V) Aging and Neurodegeneration: Diagnosis and therapeutics</b></p> <p><b>Scheper, Blattner, Sanz, Menezes, Chondrogianni, Korolchuk, Ferrús, Skoulakis</b></p>
<p><b>(VI) UPS disease biomarkers and potential drug targets</b></p> <p><b>MS Rodriguez, Matthiesen, Vertegaal, Roué, Perez-Galan, Ovaa, Carracedo, Barrio, Hay</b></p>
<p><b>(VII) Bioactive compounds as potential therapeutic agents to protein misfolding diseases</b></p> <p><b>Menezes, Skoulakis</b></p>

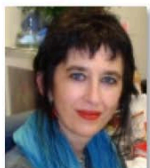




## Contact Us

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

### Chair



**Rosa Barrio**

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### Vice-Chair



**Olivier Coux**

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### Grant Holder



**Emilia Moreira**

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### Tasks Coordinators

#### Translational Projects Proposals

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#### STSMs Applications

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#### Training Schools Proposals

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#### Meetings/Workshops Proposals

Efthimios Skoulakis, Marc Piechaczyk  
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#### Webpage Initiatives

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#### Dissemination Initiatives

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#### Networking Initiatives

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Glickman@tx.technion.ac.il

### Working Group Leaders

#### WG1 Protein Modification

mechanisms, crosstalks, properties, structural basis, receptors  
Sebastien Leon, Isabelle Jupin  
leon.sebastien@ijm.univ-paris-diderot.fr  
jupin@ijm.univ-paris-diderot.fr

#### WG2 Proteolytic Systems

proteasomes, autophagy, lysosomes, apoptosis  
Pascale Bomont, Olivier Coux  
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olivier.coux@crbm.cnrs.fr

#### WG3 Cell Signalling

signalling cascades, protein traffic, transcriptional regulation  
Michael Clague, Henrique Girao  
clague@liverpool.ac.uk  
hmgirao@fmed.uc.pt

#### WG4 Quality Control, Misfolding and Aggregation

folding, ERAD, chaperones  
Wiep Scheper, Petek Ballar  
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petek.ballar@ege.edu.tr

#### WG5 Cell Proliferation and Differentiation

cell cycle, cell growth, development  
Dimitris Xirodimas, Christine Blattner  
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#### WG6 Diseases and Biotechnology

cancer, inflammation, neurodegeneration, biotechnology  
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