

# PROTEOCURE

CA20113-A sound proteome for a sound body: targeting proteolysis for proteome remodeling.

### A COST Action?

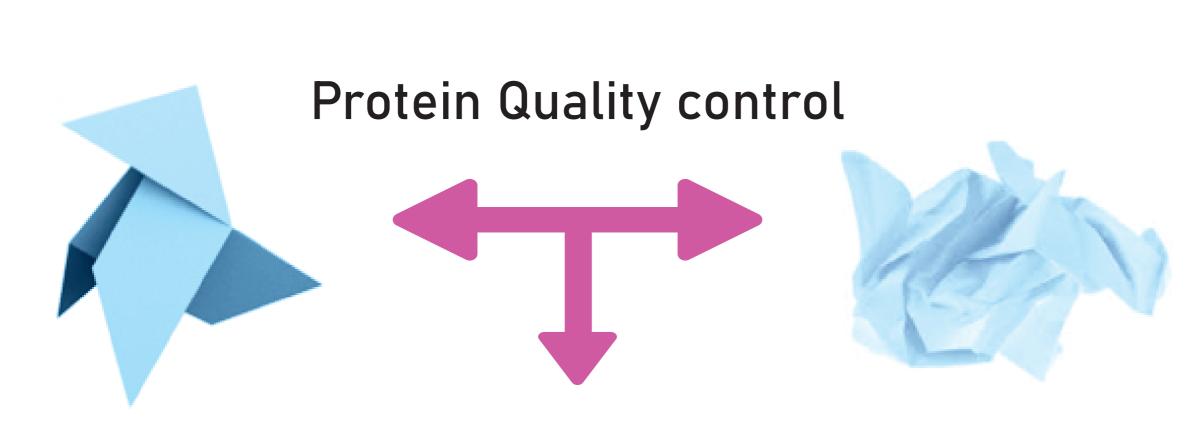
Specific European program funding 'networking' activities to strengthen scientific collaboration and scientific knowledge in Europe.

ProteoCure Action: Nov. 2021 - October 2025

### Our Goals

To foster research and innovation in the field of proteolysis with the goal of manipulating the proteolysis machinery for the development of novel, specific and efficient therapies.

# Raison d'être of the ProteoCure Action



#### Proteostasis

- Protein turnoverStress response
- Transcriptional regulation
- DNA replication/repair
- Cell-cycle progression
- Signal transduction
- Endocytosis
- Immunity
- Microenvironment
- ...

### Proteolysis Dysregulation

- Pathologies:
  - Cancers
  - Neurodegenerative diseases
  - Aging
  - o ...
- Inadequate responses to physiological/ environmental cues
- ...

### 4 Working Groups

Working Groups (WGs) will gather participants around specific scientific and technical issues.



To constitute task forces per pathology or biological pathway, gathering labs working on the same pathology to share knowledge, techniques, models, etc.



To foster the identification of active molecules on relevant validated proteostasis targets and their translation to the clinic and industry.



To promote development of 'Targeted Protein Degradation (TPD)' approaches (PROTACs,...).



To facilitate interaction between academic, clinical and industrial sectors.

## Our tools (What we can support)

- Meetings: ProteoCure meetings or co-organized meeting in person or virtual.
- STSMs (short term scientific missions): Exchanges between labs.
- Dissemination: Dissemination conference grants, and newsletters, mailing lists, webinars...
- Training schools.
- ITC conference grants: support for Young Researchers and Innovators from participating Inclusiveness Target Countries/ Near Neighbour Countries to establish a strong network and increase their visibility in the research community.

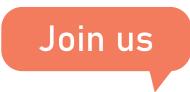




Scan the code and find out the countries participating in the project through the document 'Table of Countries and Organisations'.

# Impact to Science and Society

- Potential in future therapies.
- Potential for diagnosis/prognosis.
- Technology and disease.
- Transfer of knowledge.
- Career development





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