



COST Action CA15214
COST Association

COST Grant System
2 November 2017

Action CA15214 Fact Sheet

Title

An integrative action for multidisciplinary studies on cellular structural networks

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Details

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Start of Action: 19/10/2016	Entry into force: 07/03/2016
End of Action: 18/10/2020	CSO approval date: 26/02/2016

Objectives

Structural networks that connect the extracellular matrix and cell surfaces through the cytoskeleton with the nucleoskeleton govern cell, tissue and organ integrity. Besides their structural roles, these networks participate in a multitude of fundamental functions, e.g. regulating signal- and mechano-transduction, cytoplasmic transport, sequestering biomolecules, maintaining genome organization and promoting meiosis. Mutations in the building blocks of these networks frequently lead to devastating diseases. The pathogenesis of these diseases is far from being understood and requires a wide interdisciplinary approach that is distinct from the individual research schemes. Based on capacity building measures, coordinated networking and educative activities and interactions with business partners and European research infrastructures, the EuroCellNet Action aims to develop an orchestrated multinational activity grid, organized in four Working Groups: 1) Biophysics of cell and tissue structure, 2) Structural analysis of biomolecules involved in mechanobiology, 3) New methodologies to study mechanobiology of cells and tissues, and 4) Mechanobiological principles of rare and common diseases. The Action targets researchers from molecular and cell biology, genetics, biophysics, structural biology, mechanobiology, neurobiology, developmental biology, pathology, and translational medicine. The Action will also develop new bridging and educative activities, and provide the scientists with a unifying dedicated website with on-line tools facilitating the interactions and exchange of information.

Parties



Country	Date
Austria	04/03/2016
Croatia	26/04/2016
Estonia	26/04/2016
Greece	09/03/2016
Italy	10/05/2016
Netherlands	09/03/2016
Romania	18/01/2017
Spain	03/05/2016
United Kingdom	29/02/2016

Country	Date
Belgium	02/05/2016
Cyprus	05/05/2016
Finland	24/03/2016
Hungary	11/03/2016
Latvia	07/03/2016
Norway	04/04/2016
Serbia	25/03/2016
Sweden	11/03/2016

Country	Date
Bosnia and Herzegovina	29/02/2016
Czech Republic	29/02/2016
France	08/03/2016
Ireland	13/06/2017
Lithuania	07/06/2016
Poland	24/03/2016
Slovakia	03/04/2016
Switzerland	02/05/2016

Country	Date
Bulgaria	30/03/2016
Denmark	01/04/2016
Germany	30/03/2016
Israel	09/03/2016
Malta	07/05/2016
Portugal	28/04/2016
Slovenia	15/03/2016
Turkey	06/10/2016

Total: 33

Intentions to accept the MoU

Country	Date	Country	Date	Country	Date	Country	Date

Total: 0

Working Groups

None

Website

<https://www.eurocellnet.eu/>

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