

Building the european scientific network !



Cost Action BM1406

**Ion Channels
& immune cells**

From ion channels to immune cells !

Cells of our immune system defend us against infections and tumours. Ion channels are proteins in the cell membrane that control reactions of immune cells to tissue damage or infection. Genetic or functional defects of ion channels often impair immune responses. The European project COST BMBS 1406 *Ionchan-Immunrespon* aims to connect specific ion channels with specific functions and diseases of our immune system.

The specific aims are:

- > to develop a strong European workforce to understand the role of ion channels in immune cell functions,
- > to use this understanding for developing new therapies of autoimmune and inflammatory diseases.

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Ion Channels & immune cells

Genetic or functional defects of ion channels often impair immune responses. The European project COST BMBS 1406 *Ionchan-Immunespon* aims to build the European scientific network by:

- > understanding the role of ion channels in immune cell functions,
- > the development of new therapies for inflammatory diseases by modulating ion channels on immune cells.

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