

SCOPE

The scope of this expert panel includes fundamental biological research, which focuses by content and/or methodology on the functioning of cell communities, organs and (micro-)organisms. The finality of the research is the fundamental knowledge of biological processes without immediate application goals (such as medical, biomedical, agricultural, biotechnological).

In particular, the following topics are covered (not exhaustive):

TOPICS

- Research on physiological processes and their regulation and the underlying molecular mechanisms in all living organisms.
- Functional-morphological research in relation to organogenesis, development, differentiation or ageing.
- Research on signalling processes in all living organisms.
- Research on abiotic and biotic stress responses in plants and animals, including adaptive physiological research.
- Ethological research.
- Research on the interactions between multicellular eukaryotes and micro-organisms.

EXAMPLES OF DISCIPLINES (NOT EXHAUSTIVE)

- » Chronobiology
- » Developmental or ageing biology
- » Ecophysiology
- » Endocrinology
- » Functional morphology
- » Neurobiology and behaviour
- » Plant, animal or microbial physiology
- » Stress physiology
- » Systems biology at organism and organ level