

The European Research Council

Session 4 Interdisciplinary projects

Dr Nicolas VOILLEY
European Research Council
nicolas.voilley@ec.europa.eu



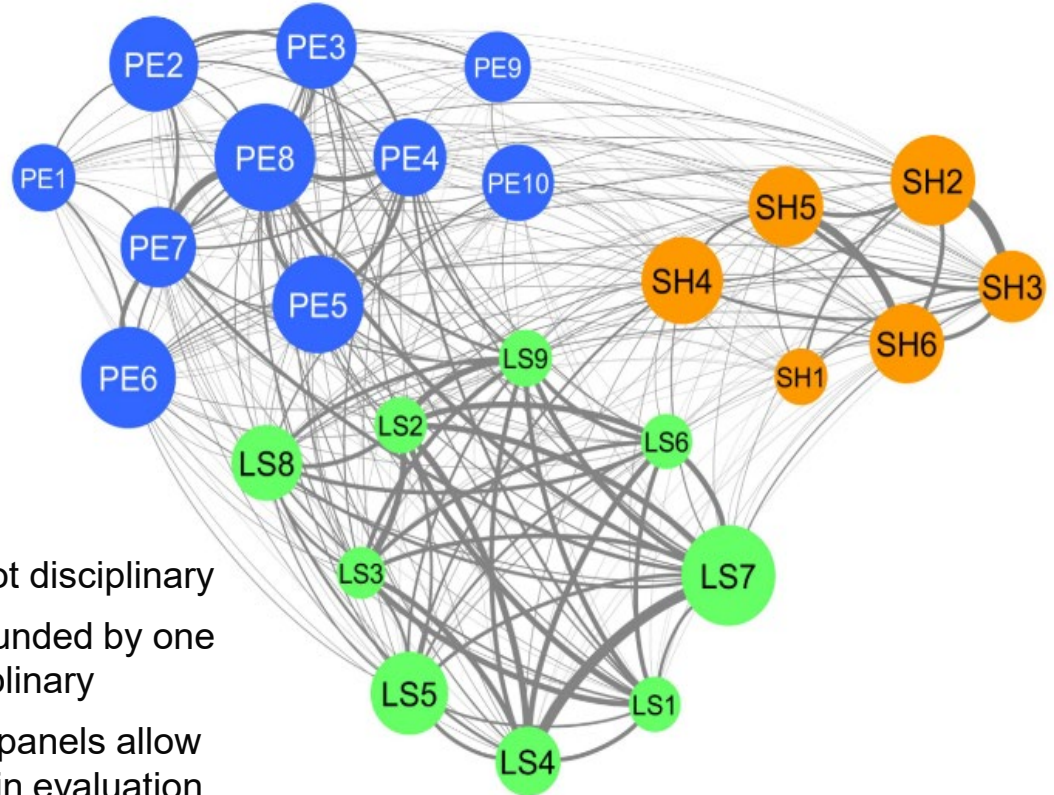
European Research Council

Established by the European Commission

Interdisciplinarity

- scientific issues requiring expertise from different disciplines
- complex problems bringing together truly diverse competencies
- tackling emerging disciplines
- complementary methodologies to collect, manage, integrate data from different fields

- ERC panels are mostly not disciplinary
- most projects evaluated/funded by one ERC panel are multidisciplinary
- present structure of ERC panels allow cross-panel / cross-domain evaluation



Interdisciplinarity in ERC individual grants

when preparing the proposal

- disciplines, expertise, methodologies, translational aspects
- choose the right primary panel (main topic, track record, disciplinary culture...)
- flag a secondary panel
- choose adequate descriptors
- explain interdisciplinarity and its added-value
- do not force interdisciplinarity
- explain adequate team expertise and/or collaboration

assessment

- panel expertise
- proposal transfer
- panel members as generalists (step 1)
- cross-panel and/or cross-domain reviews (step 1, step 2)
- external reviewers (step 2)



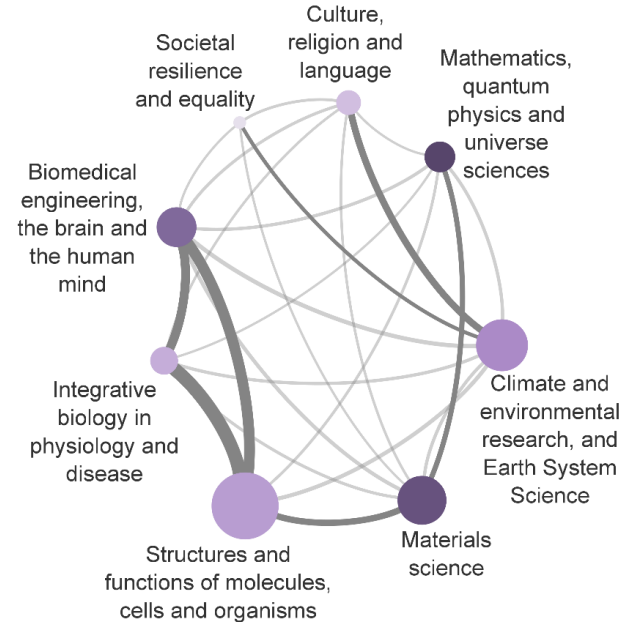
Interdisciplinarity

ERC Synergy Grant

- 2-4 PIs work together & bring different skills & resources
- outstanding intrinsic synergetic effect
- application in any field of research
- research that cannot be carried out by a single PI / team
- bring together elements necessary to address scope & complexity of the proposed research

ERC Proof of Concept grant

- to explore commercial or societal potential of an ERC grant
- to support innovation and business inventiveness



Contrary to what you may think



The more translational, socially or medically relevant a grant proposal is, the higher the chances to be funded.

NOT TRUE

ERC funds frontier research, not research that promises incremental advancement of knowledge.

Funding is irrespective of the field & whether it has societal, medical or clinical applications.

All types of research is welcome, either basic or applied.

Translational aspect is not needed and should not be forced or overstated.



Thank You!

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Evaluation Panel Structure (2024)

Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures & Functions
- LS2 Integrative Biology: From Genes & Genomes to Systems
- LS3 Cellular, Developmental & Regenerative Biology
- LS4 Physiology in Health, Disease & Ageing
- LS5 Neuroscience & Disorders of the Nervous System
- LS6 Immunity, Infection & Immunotherapy
- LS7 Prevention, Diagnosis & Treatment of Human Diseases
- LS8 Environmental Biology, Ecology & Evolution
- LS9 Biotechnology & Biosystems Engineering

Physical Sciences & Engineering

- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical & Analytical Chemical Sciences
- PE5 Synthetic Chemistry & Materials
- PE6 Computer Science & Informatics
- PE7 Systems & Communication Engineering
- PE8 Products & Process Engineering
- PE9 Universe Sciences
- PE10 Earth System Science
- PE11 Materials Engineering

Social Sciences and Humanities

- SH1 Individuals, Markets & Organisations
- SH2 Institutions, Governance & Legal Systems
- SH3 The Social World & Its Interactions
- SH4 The Human Mind & Its Complexity
- SH5 Texts & Concepts
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, & Space
- SH8 Studies of Cultures & Arts

