3rd Academy
of National Brain Councils
12 – 13 July 2017

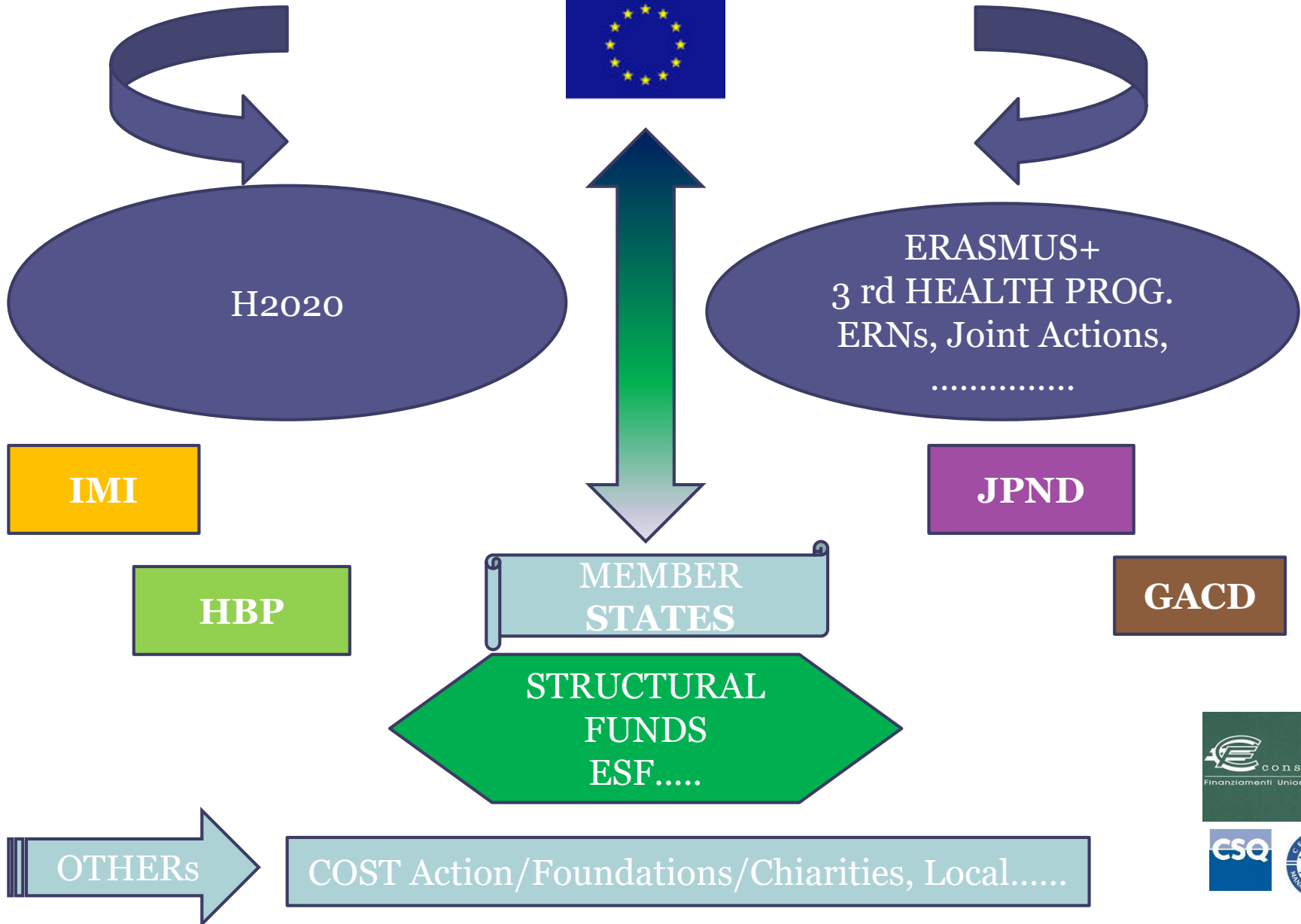**Participation in EU funded projects –
Carla Finocchiaro**

European Parliament and University Foundation

Agenda

- H2020 main opportunities

- How to participate ?

- Take away

THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

JOBS

GROWTH

Investing in science & innovation
to make the economy grow

H2020 supports EC priorities

Horizon 2020

- Jobs and growth
- Societal challenges
- European industrial leadership and competitiveness
- EU international excellence

- Couple research to innovation
- Provide evidence-base for addressing societal challenges, supporting EU policies and better regulation
- Strengthen research capacities and innovation strategies across all Member States
- Multidisciplinarity and synergies
- Address people's concerns

Programme structure

Excellent Science

- **European Research Council**
- Frontier research by the best individual teams

- **Future and Emerging Technologies (FET)**
- Collaborative research to open new fields of innovation

- **Marie Skłodowska Curie actions**
- Opportunities for training and career development

- **Research infrastructures (including e-infrastructure)**
- Ensuring access to world-class facilities

Industrial Leadership

- **Leadership in enabling and industrial technologies**
  - ICT, nanotechnologies, materials, biotechnology, manufacturing, space ….

- **Access to risk finance**
- **Leveraging private finance and venture capital** for research and innovation

- **Innovation in SMEs**
- **Fostering all forms of innovation in all types of SMEs**

Societal challenges

- **Health**, **demographic change and wellbeing**
- **Food** security, sustainable agriculture, marine and maritime research & the bio economy
- Secure, clean and efficient **energy**
- Smart, green and integrated **transport**
- **Climate action**, resource efficiency and raw materials
- **Inclusive, innovative and reflective societies**
- **Secure societies**

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

ERC Grant schemes

Starting Grants
2-7 years after PhD*
Up to € 2.0 Mio for 5 years

Consolidator Grants
7-12 years after PhD*
Up to € 2.75 Mio for 5 years

Advanced Grants
track-record of significant research achievements in the last 10 years
Up to € 3.5 Mio for 5 years

Proof-of-Concept
verify the innovation potential of ideas arising from ERC projects
Up to €150,000 for ERC grant holders

*or equivalent degree
(First-professional degrees will not be considered in themselves as PhD-equivalent, even if recipients carry the title «Doctor»)
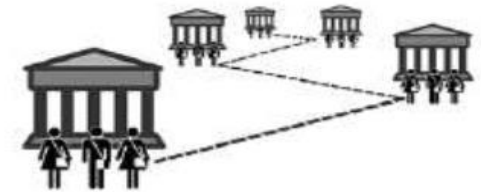
Is MSCA for you?

DOCTORAL FELLOWS ➡ **POST-DOCTORAL FELLOWS** ➡ **STAFF MEMBERS**

Innovative Training Networks (ITN)

- For ESR (i.e. no PhD and less than 4 years FTE research experience
- Consortium of organisations + fellows selected through open vacancies

Individual fellowships (IF)

- For ER (i.e. with PhD or at least 4 years FTE research experience
- Individual + selected host organisation

Research and innovation staff exchange (RISE)

- For staff members (both ESR and ER) including managerial and technical staff
- Consortium of organisations

Societal challenges

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Societal challenges

SC1 – Health, demographic change and wellbeing

Research & Innovation supported by this programme will:

- improve our understanding of the causes and mechanisms underlying health, healthy ageing and disease;
- improve our ability to monitor health and to prevent, detect, treat and manage disease;
- support older persons to remain active and healthy;
- test and demonstrate new models and tools for health and care delivery.

SC1 WP2018-2020
Challenges and objectives
"*neurosciences*"

Vertical actions
- personalized medicine (therapies)
- rare diseases (oncological and neurodegenerative diseases)
- mental health and disabilities
- pediatrics
- active ageing and health

Horizontal actions
- big data
- information technology (applications/devices/remote connection with patients)
- environment and health

Other actions
- gender differences

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Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

SC6 – Inclusive, innovative and reflective societies

- Make use of the innovative, creative and productive potential of all generations
- Ensure societal engagement in research and innovation
- Promote coherent and effective cooperation with third countries
- Reflective Societies – cultural heritage and European identity

Science with and for society

It allows all societal actors (researchers, citizens, policy makers, business, third sector organisations etc.) to work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of European society.

This approach to research and innovation is called **Responsible Research and Innovation (RRI)** to:

- engage society more broadly in its research and innovation activities,
- increase access to scientific results,
- ensure gender equality, in both the research process and research content,
- take into account the ethical dimension, and
- promote formal and informal science education.

Agenda

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- Take away

Who can participate ?

Any natural or legal persons (e.g. any company, big or small, research organisations, universities, non-governmental organisations, etc.) regardless of their place of establishment or residence. <u>**They must possess the operational and financial viability**</u> *to carry out the research tasks that they propose.*

Legal entity: *means any natural person, or any legal person created and recognised as such under national law, Union law or international law, which has legal personality and which may, acting in its own name, exercise* <u>rights and be subject to obligations</u>.

What is an EC project?

- *A set of people and other resources temporarily together to achieve a particular objective, with a budget and within a certain period of time.*
- Partnership – partners will depend on each other, jointly responsible;
- Foreigners with different cultures;
- Needs fitting with EC objectives.

Main actors involved in a project

✓ The Project Officer

✓ The Project Co-ordinator

✓ The Participants = Beneficiaries/Consortium Partners

✓ Third Parties

✓ Members of Advisory Boards

Start from the idea

An original/new idea is essential for successful participation in public funded projects

- Start from patients needs vs personalised medicine

- Assess the innovation of your idea, avoiding duplications, and its relevance in the international context

- Assess that it is the right time to present your idea

- Excellence in your field is important (organisations to be involved)

- Create a multidisciplinary and inter-sectoral partnership

- Capitalise existing network (integration of different stakeholders)
- Explode your idea maximising the impact within your ecosystem implementing a traslational process
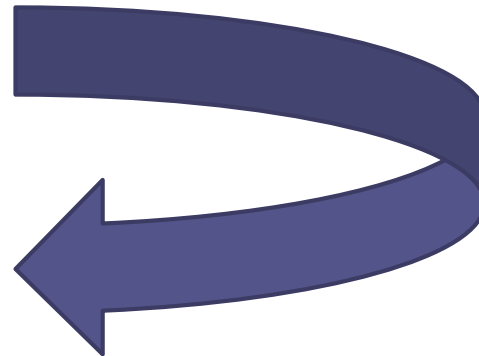
The neurological disorders ecosystem

Demand:
- Patients
- Policy makers (National and EU)
- Market

Influencers:
- Associations
- Foundations
- Media
- Regulators

Industry/SME

Research / Clinical providers:
- University
- Network of Neuroscience & Neurorehabilitation
- Hospitals

A strategic approach towards scaling up

Certification

IPR Protection

Exploitation

Proof of concept

Demonstration Lab validation

Success Key: Long Term Sustainability

Concept development

Market – Users - Impact assessment

Inter-disciplinary knowledge identification

Take - away

- **Assess the idea and rationale, the macro-activities and potential partners to do the job:** the importance of an "inclusive" approach

- **Identify the funding body:** e.g. EC, local authorities, Private Foundations......use existing resources for the search activity

- **Fit with the call**: be aware of the priorities, the participation rules, Work Programme, **paying attention to specific requirements of the call and to the evaluation criteria**

- **Define a proposal writing work-plan and follow it:** always ask to yourself "why my proposal should be selected ?"

20+ years of experience make CF consulting your professional partner in project management and grant funding

Thank you !

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