

EU support for research

EMA EU-IN workshop
London, 16 November 2018



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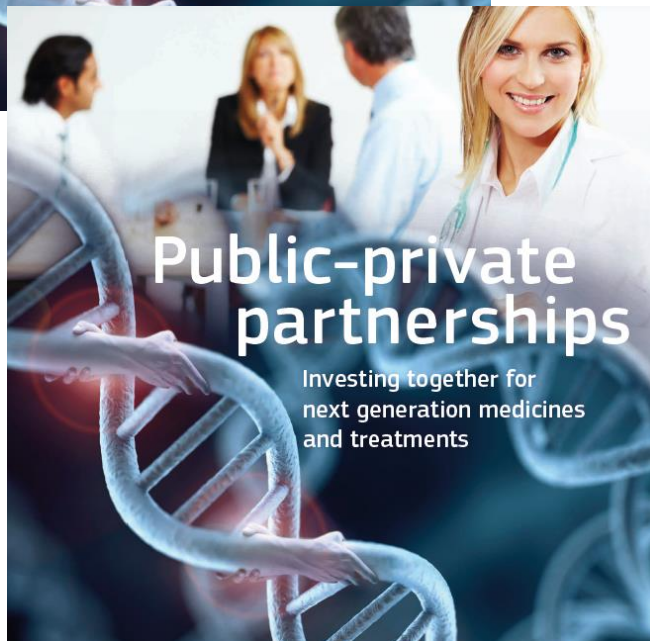
Collaborative research

Real-life solutions based on joint problem-solving



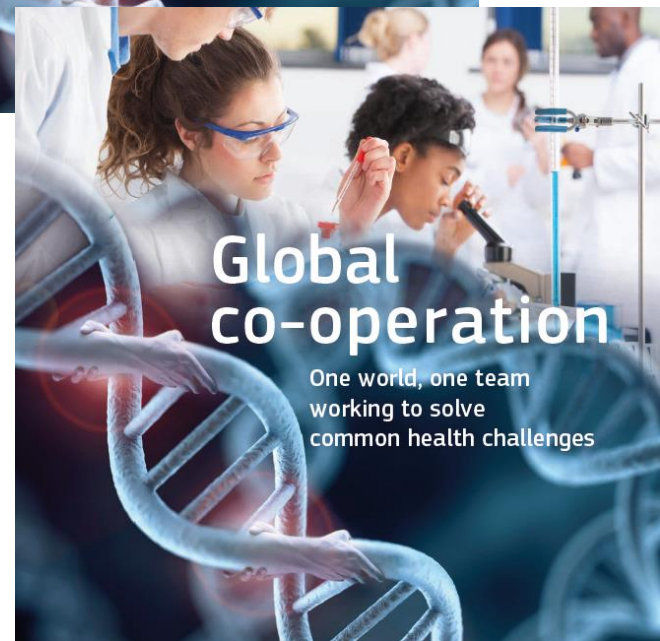
Public partnerships

Harnessing global expertise to fight poverty-related diseases



Public-private partnerships

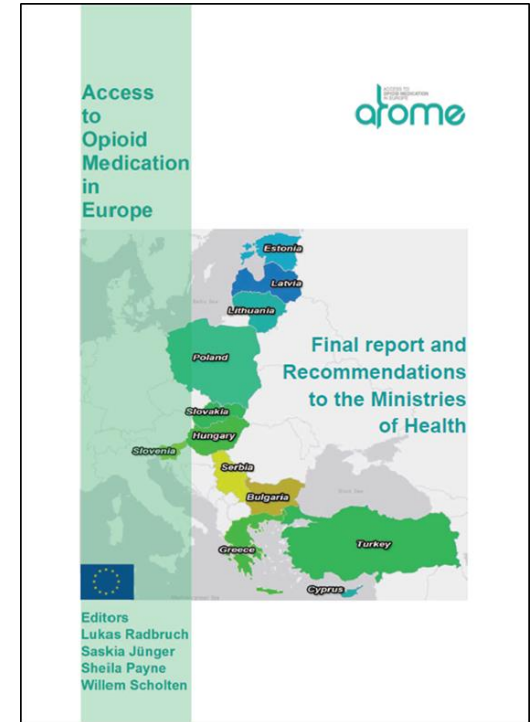
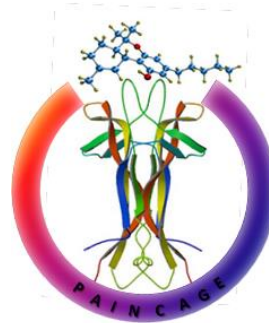
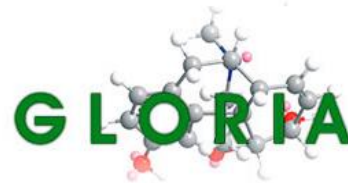
Investing together for next generation medicines and treatments



Global co-operation

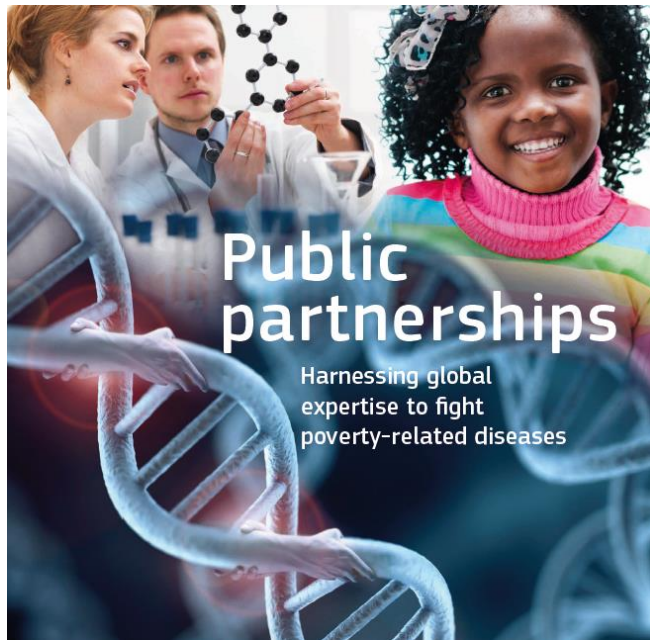
One world, one team working to solve common health challenges

Collaborative R&I projects



Public-Public partnerships

• CSA, ERANETs and Joint Programming



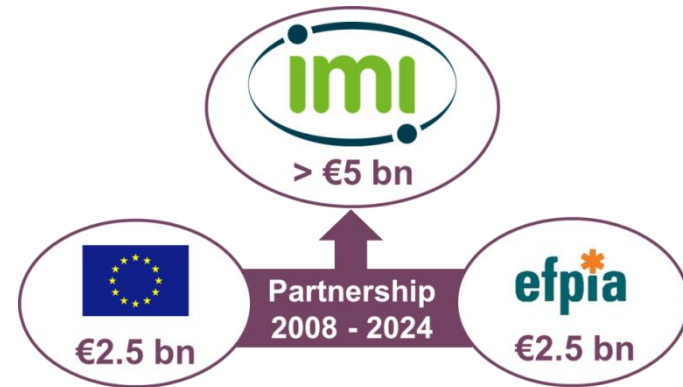
- Foster coordination of Member States research activities
- Support and align national strategies
- Co-invest in research
- Develop and share best practices
- European Brain Research Area (EBRA)



Human Brain Project



Public-private partnerships



- The world's biggest PPP in life sciences
- Aims to improve the development of medicines, vaccines etc.
- Unprecedented inter-industry collaboration and with academia, patients, regulators, authorities



Euro
pain

Global co-operation



- International funders
- Flexible arrangements
- Common goals
- Mobilising critical mass of researchers
- Sharing tasks, costs, research infrastructures and data
- Sharing best practices





Supporting Research & Innovation (1)

EU Framework programme for R&I

- **Supporting frontier research**, attracting talent, enabling mobility:
 - the European Research Council (ERC) and
 - Marie Skłodowska-Curie Actions (MSCA)
- **Supporting the development of research infrastructures**
 - European Strategy Forum on Research Infrastructures (ESFRI)
 - The Human Brain project (HBP)
- **Supporting transnational cooperation** via collaborative projects
Societal Challenge 1: "Health, Demographic change and Well-being"

Molecular
pathogenesis

Epidemiology

Prevention

Diagnosis &
monitoring

Treatment

Care &
support

Supporting Research & Innovation (2)

EU Framework programme for R&I

- **Fostering European collaboration at national level** to overcome fragmentation & duplication, and achieve critical mass and impact.
 - Joint Programme for Neurodegenerative Disease research (JPND)
 - ERA-NET NEURON for other fields of disease-related neuroscience
- **Fostering cooperation between industry and academia**
 - the Innovative Medicines Initiative (IMI)
- **Promoting international cooperation**
 - Int. Initiative for Traumatic Brain Injury Research (InTBIR)
 - Global Alliance for Chronic Diseases (GACD): 14 members agencies

Framework conditions (regulation, standards, investment)

Integrate EU brain research initiatives



- FP7: €3.1 billion
= 1931 projects
- H2020 to date: €2.4 billion
= 1300 projects funded so far

- Coordinating national research activities
- Strategic research agenda
- Transnational calls



- Speeding up the development of innovative medicines
- Open collaboration in public-private consortia



- Joining forces to address common global goals



- Implementation & comparative effectiveness research



Human Brain Project

- Harness modern ICT to understand the brain
- € 1 billion / 10 years



Addressing Framework conditions – accelerating science

Coordination and Support Actions:

- Facilitate, optimize, accelerate research & development
- Use of resources more effectively, develop synergies
- Better production and exploitation of data
- Produce safe and accessible interventions

Investment:

- SME instrument
- EIB

Addressing Framework conditions – accelerating science

Coordination and Support Actions (CSAs) in 2018 WP:

- **European standardization framework for data integration** and data-driven in-silico models (HCO-02)
- **Strengthening regulatory sciences** and supporting regulatory scientific advice (HCO-05)
- **Sustainable clinical research network for infectious diseases** (HCO-08)
- **Building international efforts on population and patient cohorts** (HCO-09)
- **Coordinating brain research and developing global initiatives** (HCO-10)

Addressing Framework conditions – accelerating science

CSA: Strengthening regulatory sciences and supporting regulatory scientific advice (HCO-05-2018)

Led to the STARS project

- Led by BfArM,
- involves NCAs from 17 countries plus DLR.
- EU funding: €2 million
- starting Jan. 2019



Addressing Framework conditions – accelerating science

CSAs: Building international efforts on population & patient cohorts

Led to SYNCHROS – “SYNergies for Cohorts in Health”

- Led by Parc Sanitari Sant Joan de Déu
- 12 partners, including ECRIN & WHO
- EU funding: €2 million
- starting Jan. 2019



Addressing Framework conditions – accelerating science

CSAs: Coordinating European brain research and developing global initiatives

Led to the EBRA project: European Brain Research Area

- Led by the European Brain Council (EBC)
- 4 partners, including Human Brain Project, JPND and NEURON
- EU funding €2 million
- started Nov. 2018



EBRA will address specific disease areas, as well as cross-cutting areas.



Thank you