The National inspired-RIs on Integrated Structural Biology, Drug Screening Efforts & Drug target functional characterization

National funding : € 3,818,820.00

Thematic Area : Pharmaceuticals and Health

Participating Organizations:

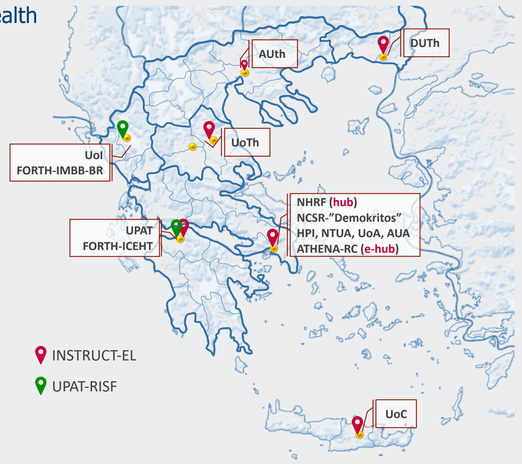
Research Organizations

1. National Hellenic Research Foundation (Coordinator, Hub)*
2. National Centre for Scientific Research – «Demokritos»
3. FORTH – Institute of Chemical Engineering
4. FORTH – Institute of Molecular Biology & Biotechnology
5. Hellenic Pasteur Institute
6. «Athena» Research Centre (e-Hub)

Academic Organizations

7. University of Patras
8. National & Kapodistrian University of Athens
9. Agricultural University of Athens
10. University of Ioannina
11. University of Thessaly
12. University of Crete
13. Demokritus University of Thrace
14. National Technical University of Athens

* Aristotle University of Thessaloniki, through NHRF



Health – Drugs – Food

Environmental Sciences – Natural Sciences – Digital Sciences

Supported by :

GREEK INDUSTRIES – COMPANIES – SMEs – CLUSTERS OF ENTERPRISES	**#13**
Activity: Health-Drug-Diagnostics-Biobanks for stem cells	# 7
Activity : Food – Agricultural and livestock farming products	# 5
LARGE COMPANIES FROM ABROAD	**# 4**
Activity : Specialized laboratory equipment	# 4
GREEK ACADEMIC – RESEARCH – PUBLIC ORGANIZATIONS	**#10**
University hospitals Νοσοκομεία	# 4
Higher & Technological Educational Organizations in the country	# 6
Public organizations	# 1
EUROPEAN ACADEMIC AND RESEARCH ORGANIZATIONS	**#10**
INTERNATIONAL ACADEMIC AND RESEARCH ORGANIZATIONS	**# 2**
ESFRI PROJECTS / LANDMARKS	**# 1**
COMPLEMENTARY RIs IN GREECE / ALSO AFFILIATED WITH ESFRI PROJECTS	**# 4**
REGIONS	**# 4**

Identity

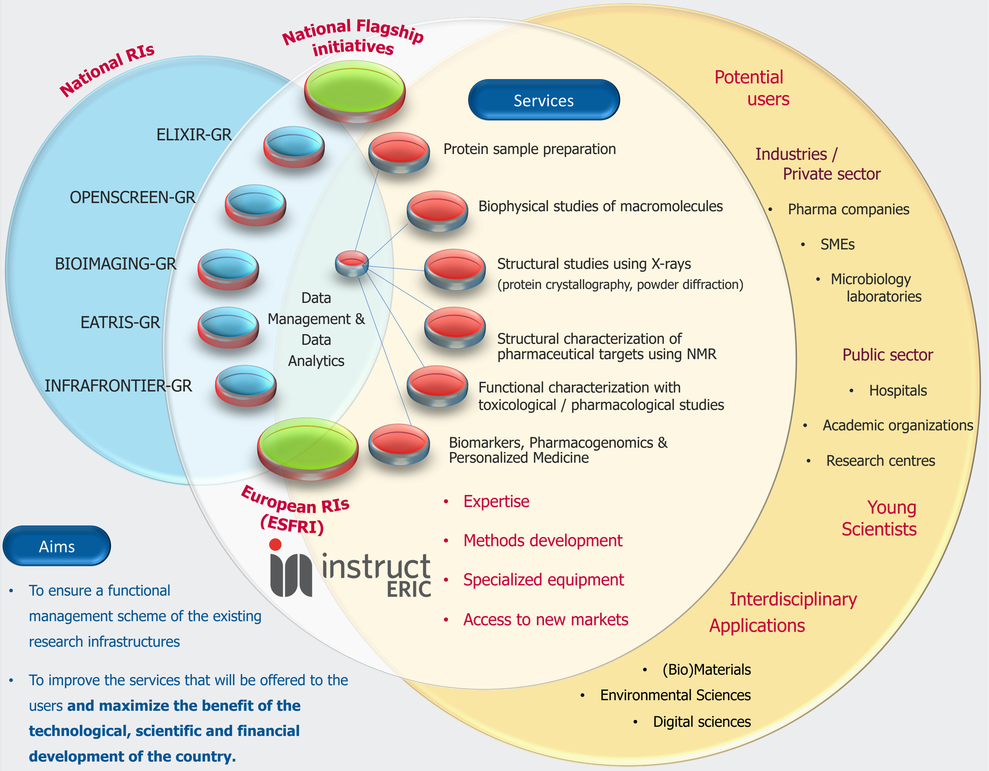
INSPIRED is a **national Research infrastructure unique in the field of Structural Biology that combines studies on bioactive (macro)molecules interactions and biomarkers identification**. It offers services mainly in the field of **biology, diagnostics and pharmacology** addressing the needs of the **health sector** with significant impact on **agrofood** and concerns a large number of organizaions (potential users and collaborators).

It bridges basic research with the Industry and SMEs supporting innovative actions by either providing services or in the frame of funded programmes.

It comprises two complementary infrastructures :

a) **INSTRUCT-EL** that functions as a national distributed RI, offering a complete set of platforms for integrative Structural Biology. Current facilities host sample preparation, biophysical characterization, 3D structure determination and analyses using X-ray diffraction and NMR, as well as molecular simulations and data management and data analytics.

b) **UPAT-RISF**, a regional research infrastructure of national impact that offers services in the field of Structural Biology (through X-ray diffraction and biomolecular NMR) as well as in the field of preclinical evaluation of bioactive compounds of pharmaceutical interest (Drug screening efforts), Drug target functional characterization, Biomarkers, Pharmacogenomics and Personalized Medicine.



Aims

- To ensure a functional management scheme of the existing research infrastructures
- To improve the services that will be offered to the users **and maximize the benefit of the technological, scientific and financial development of the country.**
- **To Harmonize and improve the offered services.**
- The **development of new methodologies** for all the research platforms offered by the infrastructure.
- To create a team of **«Experts»** : members of the infrastructure and representatives of the users that come from the **academic/research organizations and the private sector, industries as well as boundary spanners** with the aim to ensure, adjust and increase the quality of the offered services towards matching the needs of potential users.
- **To access to new markets in fields that are directly related to development of country, contributing to its sustainability.**
- **To shape the future objectives of the infrastructure with Boundary spanners: representatives from the industrial sector, Regions and in cooperation with non-experienced users (e.g. from hospitals) as well the media.**

Key Performance Indicators

- Employment of **50 young scientists**
- The performance of the RI will be evaluated using the Key Performance indicators (KPIs) employed for European Research Infrastructures

Contact

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Email : info@inspired-ris.gr

EPAnEK 2014-2020 OPERATIONAL PROGRAMME COMPETITIVENESS ENTREPRENEURSHIP INNOVATION

European Union
European Regional Development Fund

GENERAL SECRETARIAT FOR RESEARCH AND TECHNOLOGY

RESEARCH & INNOVATION

HELLENIC REPUBLIC
MINISTRY OF EDUCATION, RESEARCH & RELIGIOUS AFFAIRS

HELLENIC REPUBLIC
MINISTRY OF ECONOMY & DEVELOPMENT
SPECIAL SECRETARY FOR ERDF & CF

ΕΣΠΑ 2014-2020
Partnership Agreement 2014 - 2020