

MISSIONE 4  
ISTRUZIONE  
RICERCA

## ELIXIR X NEXTGENERATIONIT



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA

Panel di riferimento: **H&F**

Titolo della Proposta: **ELIXIR x NextGenerationIT**

Codice della proposta: **IR0000010**

Tipologia: **(i) - Empowering**

Proponente: **CNR**

Infrastruttura di Ricerca: **ELIXIR - IT - European Life Science Infrastructure for Biological Information - Italy**

Importo totale: **18.629.475,59€**

Di cui al Sud: **12.425.856,34€ (66,70%)**

*Abstract:*

The aim of the project "ELIXIR x NextGenerationIT: consolidation of the Italian Infrastructure for Omics Data and Bioinformatics" (ELIXIRxNextGenIT) is to consolidate the capacity of the Italian node of the European Research Infrastructure ELIXIR to develop, provide and support reliable services for the Life Science research community and beyond. ELIXIRxNextGenIT will endow the country with a state-of-the-art Bioinformatics and integrative Omics infrastructure, providing access to the most advanced platforms for high-throughput generation and analysis of genomic, proteomic and metabolomic data. The project also aims to promote, develop and integrate ISBE-IT, with its Systems Biology oriented know-how and activities, into ELIXIR-IT. The project plan foresees the acquisition of cutting-edge equipment for "omics" data production as well as the creation of an Italian BioDataCenter, which will provide open access to a rich portfolio of Bioinformatics resources. This will be functional to the establishment in Italy of much-needed resources like a federated node of the European Genome-Phenome Archive (FEGA) and provide proper national infrastructural support to the forthcoming European "Genome Data Infrastructure". Their impact on and relevance for the Life Science and Biomedical Italian communities will continue to grow during the following years, as those communities will progressively and inexorably move towards data-oriented and quantitative molecular approaches in their respective fields of competence.

**Elenco partecipanti alla Proposta:**

- Consiglio Nazionale delle Ricerche
- Università degli Studi Aldo Moro - Bari
- Università degli Studi Alma Mater - Bologna

- Università degli Studi di Milano La Statale
- Università degli studi di Napoli Federico II
- Università degli Studi di Padova
- Università degli Studi Milano Bicocca