



***Into the Era of Precision Medicine:  
Connecting. Inspiring. Advancing.***

Strategic innovation hub leading  
the Italian cluster for digital  
and precision medicine

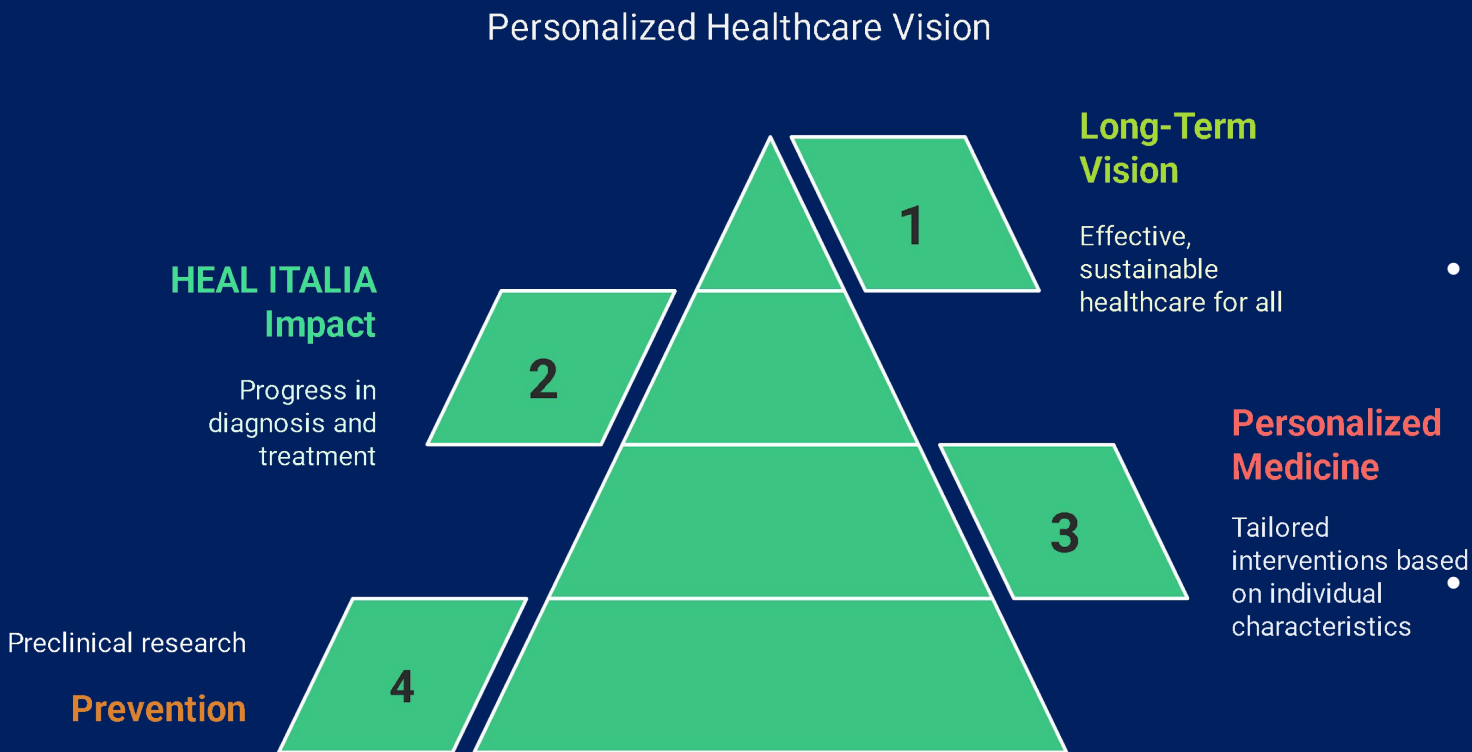
## HEAL ITALIA's Mission and Principles



# Who We Are / Our Mission

- The HEAL Italia Foundation is the Italy's leading innovation hub in Precision Medicine within the national healthcare system.
- We developed precision medicine to prevent, delay, and treat serious diseases—shifting from 'one-size-fits-all' to personalized care. By uniting top researchers, fostering innovation, and leveraging global collaboration, we deliver targeted, timely therapies for better health outcomes.
- **Precision Focus:** From reactive to proactive, personalized healthcare
- **Disease Targets:** Cancer, rare, metabolic & cardiovascular diseases
- **Approach:** Prevention + AI-driven diagnostics & tailored therapies
- **Core Values:** Collaboration, excellence, youth, global openness

# Personalized and Precision Medicine / Our Vision



- Personalized and Precision Medicine represents a turning point in approaching health: no longer a one-size-fits-all solution, but targeted interventions based on the biological, genetic, and environmental characteristics of each individual.
- Research conducted within the HEAL ITALIA network aims not only to make significant progress in diagnosis and treatment but also to generate a concrete impact on the national productive and healthcare system.
- The long-term vision is to fulfill every person's right to receive effective healthcare services in a homogeneous, personalized, and sustainable manner, respecting privacy and data protection, for the benefit of the entire community.



# An Extended Partnership /Core The Foundation's Numbers

- Established with 24 partners through the EU funded project "Health Extended Alliance for Innovative Therapies, Advanced Lab-research and Integrated Approaches of Precision Medicine»,
- today, the Heal Foundation coordinates a multidisciplinary network of **70 entities** (see <https://www.healitalia.eu/partner/>), including Universities, IRCCS (Scientific Institutes for Research, Hospitalization and Healthcare), Hospitals and private companies, representing a true national strategic chain for research and application of precision medicine principles in healthcare.
- 610 RESEARCHERS**

HEAL ITALIA

## FOUNDING PARTNERS

Consorzio BI-REX  
Università di Bologna  
ENGINEERING SPA  
Toscana Life Sciences  
AOSP S. Orsola di Bologna  
CRO Aviano  
Istituti Fisioterapici  
Ospitalieri  
Istituto Superiore di Sanità  
Istituto Oncologico del  
Mediterraneo  
Neuromed  
SIT  
Università di Roma  
Sapienza  
Università di Roma Tor  
Vergata  
Università di Palermo  
Università di Catania  
Università di Cagliari  
Università di Foggia  
Università di Modena e  
Reggio Emilia  
Università di Pisa

Università di Verona  
Università di Milano Bicocca  
Università Politecnica delle  
Marche  
Istituto di Ricerche  
Farmacologiche Mario Negri  
UPMC  
Opella.

## NEW PARTNERS

Università degli Studi  
dell'Aquila  
Università di Ferrara  
Università LUM Giuseppe  
Degennaro  
Università della Calabria  
Fondazione Human  
Technopole  
Università degli studi della  
Campania L. Vanvitelli  
IRCCS INT Fondazione "G.  
Pascale"  
Biogem Scarl  
Clearbox AI Solutions S.r.l.  
Università Campus  
Bio-Medico di Roma  
(UCBM)

Teleconsys  
Fondazione Policlinico  
Universitario Campus  
Bio-Medico  
Ring Up Srl SB  
Università degli Studi di  
Padova  
Istituto TIGEM  
Fondazione per la Ricerca  
Biomedica Avanzata Onlus  
(VIMM)  
Università degli Studi di Bari  
IRCCS SYNLAB SDN  
Università degli Studi di  
Enna "Kore"  
PREDICT SRL  
INVESTMENTS CARE SRL  
Università di PAVIA  
Università del Salento  
Tecno Bios Srl  
IRCCS San Raffaele SRL  
Azienda Ospedaliero  
Universitaria Policlinico  
Paolo Giaccone  
Istituto Nazionale Ricerche  
Cardiovascolari  
Università degli Studi di

Catanzaro "Magna Graecia"  
Università degli Studi di  
Brescia  
IRCCS CROB  
Consiglio Nazionale delle  
Ricerche  
Università di Salerno  
Università degli Studi di  
Messina  
Università degli Studi di  
Milano  
Consorzio per Valutazioni  
Biologiche e Farmacologiche  
Istituto Nazionale Tumori –  
IRCCS – "Fondazione G.  
Pascale"  
Polo d'Innovazione di  
Genomica Genetica e  
Biologia (Polo GGB)  
Università degli studi di  
Chieti-Pescara  
Università degli Studi del  
Molise  
VET  
Cardea srl  
Ca.Re.Bios  
Fidoka srl

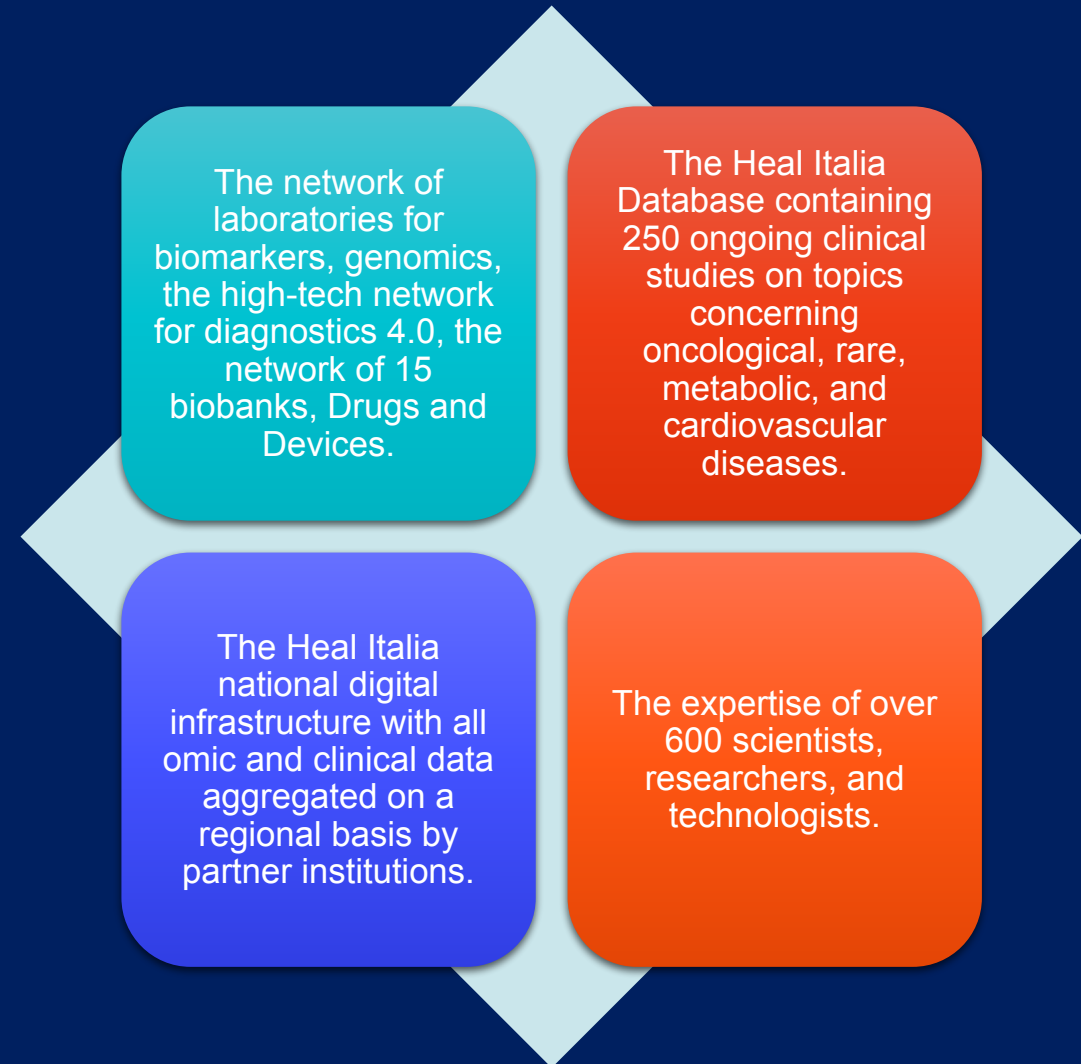
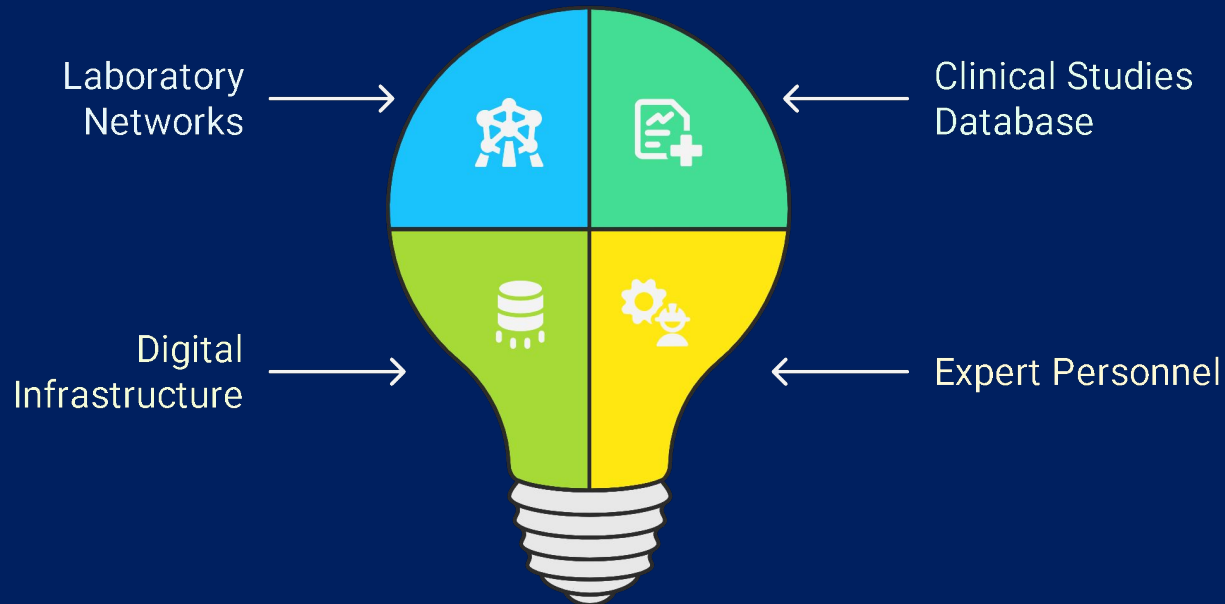
Entities involved in precision medicine



# Research Services and Resources

Focus on services for research, healthcare and businesses

Components of Heal Italia's Infrastructure





Innovating precision medicine through advanced technologies  
We develop new models and approaches for precision medicine by leveraging cutting-edge 5.0 technologies:

- Artificial intelligence
- Big data analytics
- Supercomputing systems

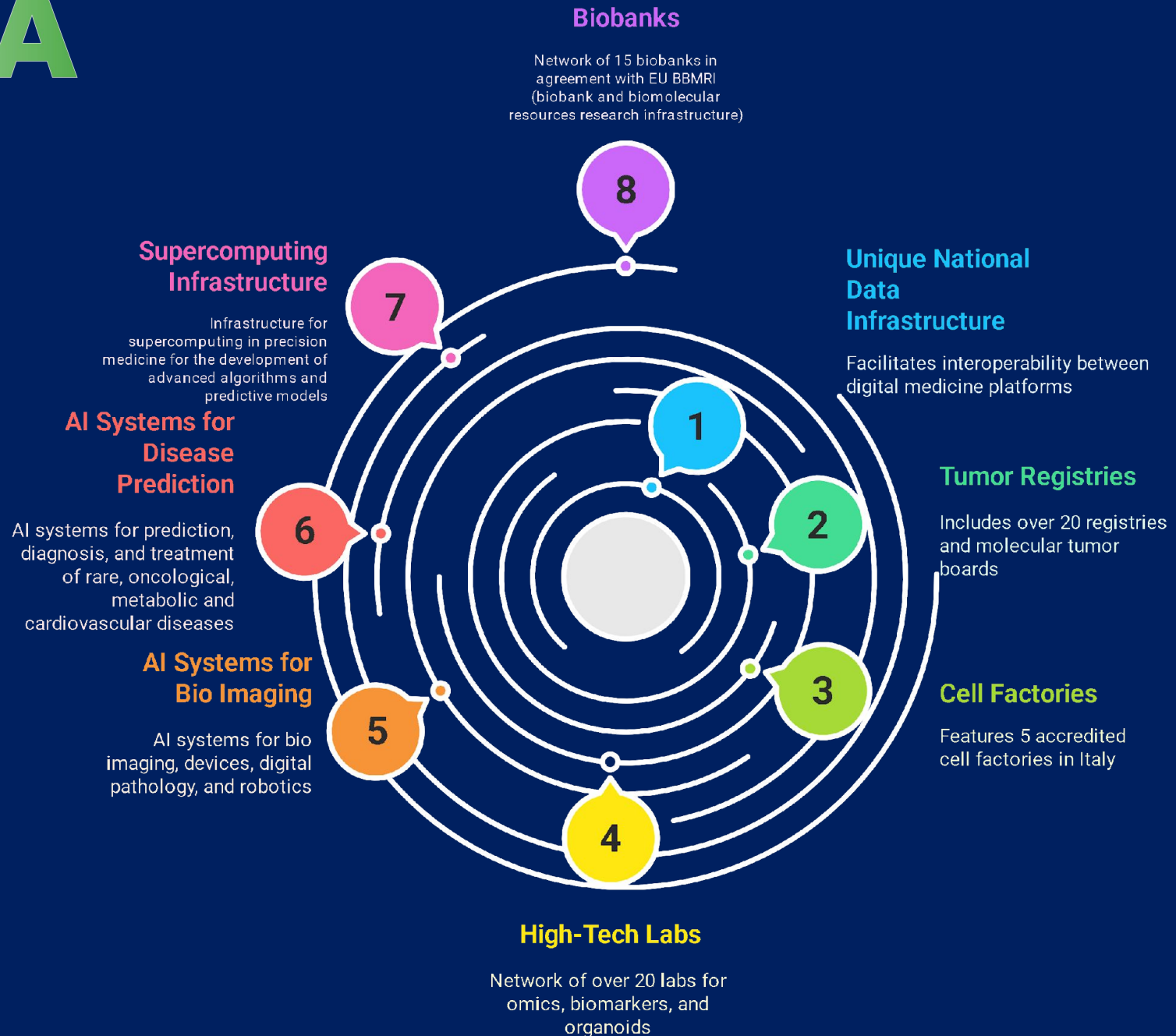
#### Applied across:

- ✓ Preclinical research
- ✓ Clinical applications
- ✓ Translational medicine

#### Focus areas:

- Oncology
- Cardiovascular diseases
- Metabolic disorders
- Rare diseases
- Neurodegenerative diseases

## Comprehensive Technological Infrastructure





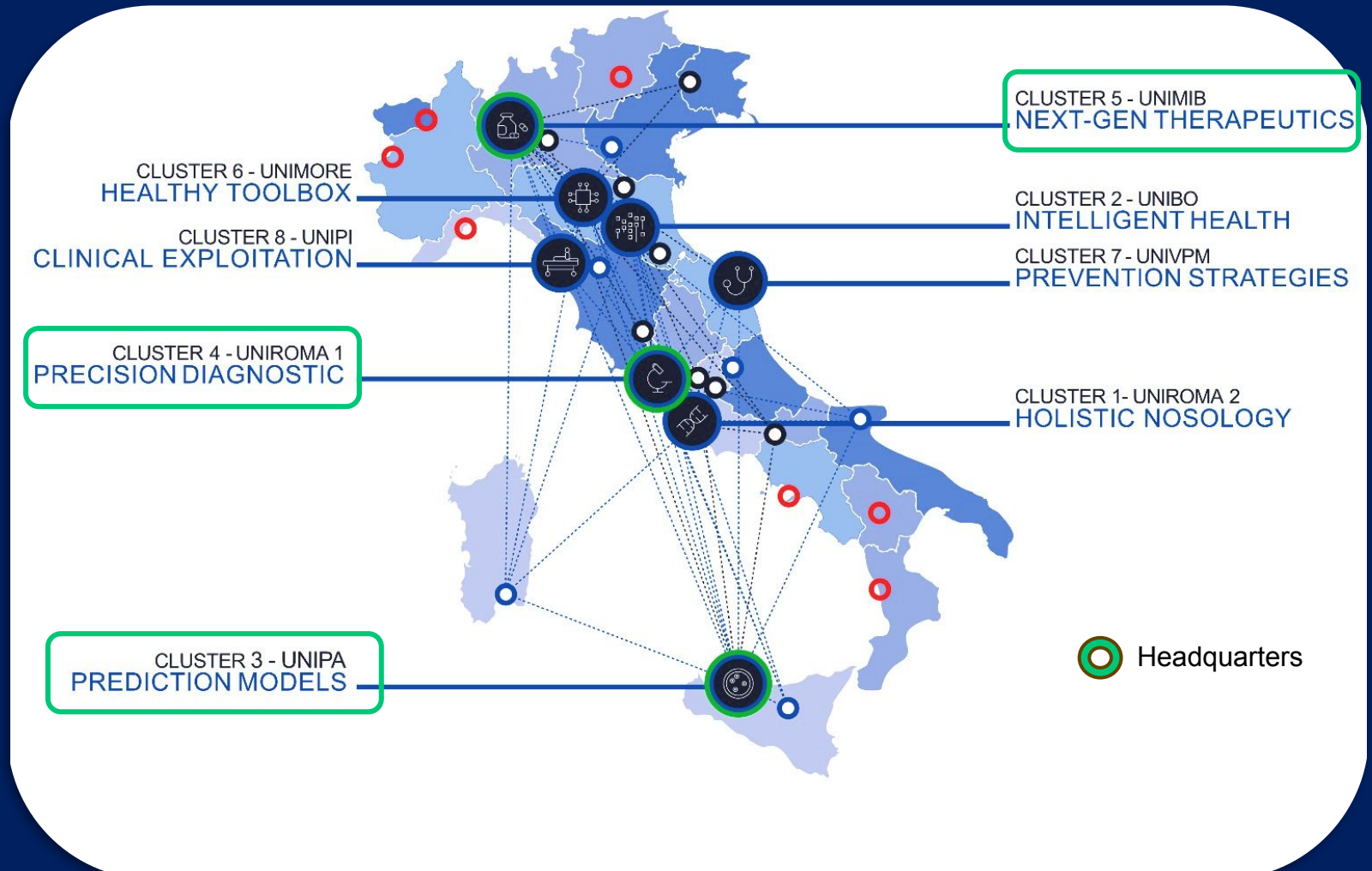
# Network Organization

Heal Italia's Interconnected Thematic Networks



Made with Napkin

- Heal Italia is organized into **8 highly interconnected thematic networks** based on interdisciplinarity.
- Three headquarters: Palermo, Rome, Milan



# Alliance for Business Development



**RESEARCH:** 250 active projects

**HIGH LEVEL TRAINING:** academy on digital pathology and AI in prec med, high education and training programs for healthcare professionals

**VENTURE CAPITAL:** funding and grants

**TECH TRANSFER:** support for private companies

**Internationalization:** associated support services for opening new markets and attracting foreign investments



# Alliance for Business Development

Entrepreneurial Opportunities in Health Biotechnology

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## Biomarkers & Devices

Focus on innovative biomarkers and diagnostic tools.



## Application Pathways

Support for health biotechnologies and advanced technologies.



## Mentorship & Training

Providing training and investment access for Life Science firms.



## Financial Support

Funding for research projects and start-ups in biotechnology.



The development of innovative biomarkers, diagnostic devices, and advanced instrumentation represents a strategic entrepreneurial opportunity.



Support for identifying application pathways for health biotechnologies and 5.0 technologies (Big Data analytics, Artificial Intelligence, Supercomputing, Machine Learning, etc.).



Mentorship, entrepreneurial training, and access to specialized investments for Life Science companies.



As a Funding Agency, financial support for research projects and start-ups to promote applied research and technology transfer, and regulatory aspects

# HEAL ITALIA

Contact us:



HEAL ITALIA Foundation



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<https://www.healitalia.eu/en/>